

2023-2024

UNDERGRADUATE CATALOG



Western
Carolina
UNIVERSITY

Regulations Subject to Change

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Academic Calendar

Western Carolina University 2023-2024 Academic Calendar FALL 2023				
<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
Aug. 21 - All classes begin	Aug. 22	Aug. 23	Aug. 24	Aug. 25
Aug. 28	Aug. 29	Aug. 30	Aug. 31	Sept. 1
Sept. 4 - Labor Day- No Classes	Sept. 5	Sept. 6	Sept. 7	Sept. 8
Sept. 11	Sept. 12	Sept. 13	Sept. 14	Sept. 15
Sept. 18	Sept. 19	Sept. 20	Sept. 21	Sept. 22
Sept. 25	Sept. 26	Sept. 27	Sept. 28	Sept. 29
Oct. 2	Oct. 3	Oct. 4	Oct. 5	Oct. 6
Oct. 9	Oct. 10	Oct. 11	Oct. 12	Oct. 13
Oct. 16 - Fall Break - No Classes	Oct. 17 - Fall Break - No Classes	Oct. 18 - Fall Break - No Classes	Oct. 19 - Fall Break No Classes	Oct. 20 - Fall Break - No Classes
Oct. 23	Oct. 24	Oct. 25	Oct. 26	Oct. 29 - Last day for "W"
Oct. 30	Oct. 31 - Advising Day - No Classes	Nov. 1	Nov. 2	Nov. 3
Nov. 6	Nov. 7	Nov. 8	Nov. 9	Nov. 10
Nov. 13	Nov. 14	Nov. 15	Nov. 16	Nov. 17
Nov. 20	Nov. 21	Nov. 22 - No Classes	Nov. 23 - Thanksgiving - No Classes	Nov. 24 - No Classes
Nov. 27	Nov. 28	Nov. 29	Nov. 30	Dec. 1
Dec. 4	Dec. 5	Dec. 6	Dec. 7	Dec. 8 - Last day of classes
Dec. 11 - Final Exams	Dec. 12 - Final Exams	Dec. 13 - Final Exams	Dec. 14 - Final Exams	Dec. 15 - Final Exams

75 Class Days

EIGHT WEEK SESSION DATES:

First 8Wk Begins Monday, Aug. 21
 Last Day to Withdraw - Friday, Sept. 15
 Ends - Friday, Oct. 13

Last 8Wk Begins Monday, Oct. 16
 Last Day to Withdraw - Friday, Nov. 10
 Ends - Friday, Dec. 8

***(8 Week Session students do not observe Fall Break)**

Residence Halls Open - Aug. 18, 2023
First Day of Classes - Monday, Aug. 21, 2023
Labor Day - No Classes - Monday, Sept. 4, 2023
Census Date - Friday, Sept. 1, 2023

Fifth Week Grades Due - Monday, Sept. 25, 2023

Fall Break - No Classes, Monday-Friday, Oct. 16-20, 2023

Last Day to drop with a "W" - Friday, Oct. 27, 2023

Homecoming - TBD

Advising Day- Tuesday, Oct. 31, 2023

Thanksgiving, No Classes. Wednesday-Friday, Nov. 22-24, 2023

Last Day of Classes - Friday, Dec. 8, 2023

Final Exams - Saturday-Friday, Dec. 9-15, 2023

Commencement - Saturday, Dec. 16, 2023

All Grades Due by 10:00 AM on Monday, Dec. 18, 2023

Western Carolina University
 2023-2024 Academic Calendar
 SPRING 2024

<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
Jan. 8	Jan. 9	Jan. 10	Jan. 11 - Orientation & Registration	Jan. 12 - Orientation & Registration
Jan. 15 - MLK Holiday - No Classes	Jan. 16 - All classes begin	Jan. 17	Jan. 18	Jan. 19
Jan. 22	Jan. 23	Jan. 24	Jan. 25	Jan. 26
Jan. 29	Jan. 30	Jan. 31	Feb. 1	Feb. 2
Feb. 5	Feb. 6	Feb. 7	Feb. 8	Feb. 9
Feb. 12	Feb. 13	Feb. 14	Feb. 15	Feb. 16
Feb. 19	Feb. 20 - Advising Day - No Classes	Feb. 21	Feb. 22	Feb. 23
Feb. 26	Feb. 27	Feb. 28	Feb. 29	Mar. 1
Mar. 4 - Spring Break - No Classes	Mar. 5 - Spring Break - No Classes	Mar. 6 - Spring Break - No Classes	Mar. 7 - Spring Break - No Classes	Mar. 8 - Spring Break - No Classes
Mar. 11	Mar. 12	Mar. 13	Mar. 14	Mar. 15
Mar. 18	Mar. 19	Mar. 20	Mar. 21	Mar. 22 - Last day for "W"
Mar. 25	Mar. 26	Mar. 27 - No Classes	Mar. 38 - No Classes	Mar. 29 - No Classes
Apr. 1	Apr. 2	Apr. 3	Apr. 4	Apr. 5
Apr. 8	Apr. 9	Apr. 10	Apr. 11	Apr. 12
Apr. 15	Apr. 16	Apr. 17	Apr. 18	Apr. 19
Apr. 22	Apr. 23	Apr. 24	Apr. 25	Apr. 26
Apr. 29	Apr. 30	May 1	May 2	May 3 - Last day of classes
May 6 - Final Exams	May 7 - Final Exams	May 8 - Final Exams	May 9 - Final Exams	May 10 - Final Exams

75 Class Days

EIGHT WEEK SESSION DATES:

First 8Wk Begins Tuesday, Jan. 16
 Last Day to Withdraw - Friday, Feb. 9
 Ends - Friday, Mar. 8

Last 8Wk Begins Monday, Mar. 11
 Last Day to Withdraw - Friday, Apr. 5
 Ends - Friday, May 3

***(8 Week Session students do not observe
 Spring Break)**

Residence Halls Open - Jan. 11, 2024
 (tentative)

Orientation - Jan. 11 & 12, 2024
Martin Luther King Holiday - Monday,
 Jan. 15, 2024

First Day of Classes - Tuesday, Jan. 16,
 2024

Census Date - Monday, January 29, 2024

Fifth Week Grades Due - Monday, Feb.
 19, 2023

Advising Day - Tuesday, Feb. 20, 2024

Spring Break - Monday-Friday, Mar. 4-8,
 2024

Last Day to drop with a "W" - Friday,
 Mar. 22, 2024

No Classes - Wednesday-Friday, Mar. 27-
 29, 2024

Last Day of Classes - Friday, May 3, 2024

Final Exams - Saturday-Friday, May 4-10,
 2024

Commencement (Graduate) - Friday, May
 10, 2024

Commencement (Undergraduate) -
 Saturday, May 11, 2024

**All Grades Due by 10:00 AM on Monday,
 May 13, 2024**

Western Carolina University
2023-2024 Academic Calendar
SUMMER 2024

<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
May 13 - Spring grades due	May 14	May 15	May 16	May 17
May 20	May 21	May 22	May 23	May 24
May 27	May 28	May 29	May 30	May 31
June 3 - 9-week and First 4.5-week Term classes begin	June 4	June 5	June 6	June 7
June 10	June 11	June 12	June 13	June 14
June 17	June 18	June 19	June 20	June 21
June 24	June 25	June 26	June 27	June 28
July 1	July 2	July 3 - First 4.5- week term classes end	July 4 - Holiday - No Classes	July 5 - Second 4.5-week term classes begin
July 8	July 9	July 10	July 11	July 12
July 15	July 16	July 17	July 18	July 19
July 22	July 23	July 24	July 25	July 26
July 29	July 30	July 31	Aug. 1	Aug. 2
Aug. 5	Aug. 6 - 9-week term ends and Second 4.5-week term ends	Aug. 7	Aug. 8	Aug. 9
Aug. 12	Aug. 13	Aug. 14	Aug. 15	Aug. 16
Aug. 19 - Fall semester classes begin	Aug. 20	Aug. 21	Aug. 22	Aug. 23
May 13-28, 2024	Monday-Tuesday	Mini-mester term		
June 3, 2024	Thursday, 8 a.m.	9-Week and First 4.5-Week Term classes begin		
June 3 - Aug. 6, 2024	Thursday-Thursday	9-Week Term		
June 3 - July 3, 2024	Thursday-Monday	First 4.5-Week Term		
July 4, 2024	Tuesday	Independence Day Holiday		
July 5, 2024	Wednesday, 8 a.m.	Second 4.5-Week Term classes begin		
July 5 - Aug. 6, 2024	Wednesday - Thursday	Second 4.5-Week Term		
Various Dates	Last day of each course	Final Exams		

Grades are due to the Registrar's Office 48 hours after the last official class day.

Students are expected to register prior to the first day of class.

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:

https://www.wcu.edu/learn/academic-services/registrar-office/summer_enrollment_information.aspx

Important Telephone Numbers

Accessibility Resources	(828) 227-3886
Admissions	(828) 227-7317
Advising Center	(828) 227-7753
Campus Activities	(828) 227-7206
Campus Dining	(828) 227-7396
Colleges	
College of Arts and Sciences	(828) 227-7646
College of Business	(828) 227-7412
College of Education and Allied Professions	(828) 227-7311
David Orr Belcher College of Fine and Performing Arts	(828) 227-7028
College of Health and Human Sciences	(828) 227-7271
Graduate School	(828) 227-7398
Honors College	(828) 227-7383
College of Engineering and Technology	(828) 227-7368
Educational Outreach	(828) 227-7397
Financial Aid	(828) 227-7290
Fraternities, Sororities, Greek Life	(828) 227-3635
Information Technology/Help Desk	(828) 227-7487
International Students	(828) 227-7494
Military Student Services	(828) 227-7397
One Stop	(828) 227-7170
Orientation	(828) 227-7087
Parking Services	(828) 227-7275
Provost Office	(828) 227-7495
Registrar, Student Records, Transcripts	(828) 227-7216
Residential Living	(828) 227-7303
Retention	(828) 227-7171
Student Accounts	(828) 227-7324
University Scholarships	(828) 227-7290

About the University

The University

A member of the University of North Carolina System, Western Carolina University offers courses in the arts, humanities, sciences, engineering, technologies, healthcare, business, and professions. Students can elect degree programs at the bachelor's, master's, or doctoral level of study. Doctoral degrees are offered in educational leadership, physical therapy, psychology, and nursing with emphases in nurse anesthesia, nursing practice, and family nursing practice. As a regional comprehensive institution, WCU serves the people of North Carolina from its residential campus in Cullowhee and its site in Asheville, as well as online.

Our Mission:

As Western North Carolina's regional comprehensive university, Western Carolina University is dedicated to academic excellence, affordability, and access. WCU inspires student learning through innovative teaching, nationally recognized programs, exceptional support, and a robust connectedness with surrounding communities in Southern Appalachia, including the Eastern Band of Cherokee Indians. Through a broad range of scholarly activities, our faculty and students seek to better understand our region, state, nation, and world. With an emphasis on engaging students both inside and outside the classroom, WCU's bachelor's, master's, and professional doctoral programs in Cullowhee, Asheville, and online aim to improve lives and promote economic prosperity throughout Western North Carolina and beyond.

Our Core Values

- Excellence in Teaching, Learning, and Scholarship
- Collaboration with and Respect for our Communities
- Free and Open Interchange of Ideas
- Diversity and Inclusive Excellence
- Robust and Engaging Student Experience
- Investment in our People
- Environmental Stewardship

Our Vision:

Western Carolina University will be a national model for public comprehensive universities serving rural regions and an innovative driver for the social and economic mobility of its students. WCU will break barriers to student access and opportunity, and leverage the expertise of its faculty, staff, and students in confronting the complex health, educational, social, and economic challenges in its region and state.

Location

Western Carolina University is located in the scenic Southern Appalachian Mountains in Cullowhee, North Carolina. The university consists of the main residential campus in Cullowhee and an instructional site in Asheville, NC, serving the greater Buncombe-Henderson County areas.

A faculty of about 776 serves a student body of approximately 12,000 in resident and distance classes. The Cullowhee campus is in a rural valley between the Blue Ridge and Great Smoky Mountains, fifty-two miles west of Asheville and seven miles south of Sylva on North Carolina Highway 107. The location at the southern end of Cullowhee Valley in the heart of the Tuckasegee River basin gives it an unusually attractive setting. The closest commercial airport to the university is located in Asheville.

The central campus consists of about roughly 600 acres, including beautifully wooded areas and modern academic, student-residence, recreation, and athletic facilities on both the east and west sides of Highway 107 in Cullowhee. The Blue Ridge Parkway, Great Smoky Mountains National Park, Qualla Boundary (Cherokee), Fontana Lake, and

numerous resort areas offer golfing, skiing, fishing, hunting, hiking, water sports, and other recreational opportunities nearby.

The university's instructional site in Asheville is located at Biltmore Park Town Square along I-26 near the Asheville Regional Airport. WCU offers degree programs in nursing and engineering as well as graduate programs in accounting, business administration, public affairs, entrepreneurship, social work, physical therapy, and education at the Biltmore Park location.

Governance

Western Carolina University, a constituent institution of The University of North Carolina System, 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 University of North Carolina System Office. The Board of Trustees receives its authority by delegation from the UNC 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. The Staff Senate functions as the voice of staff and is advisory to the chancellor.

Land Acknowledgment

Western Carolina University is situated within the ancestral homelands of the Cherokee people, twenty miles from the present-day Eastern Band of Cherokee Indian communities of the Qualla Boundary. The campus occupies Two Sparrows Place (Tali Tsisgwayahi, ᎠᎿ ᎠᎾᎿᎠᎿᎠ), an ancient principal town with a mound and council house where Killian Building now stands. Cullowhee, the university's home, is Tsul'kalawi (ᎠᎿᎠᎿᎠ) or Judaculla's Place. This giant being was the Great Teacher and steward of the natural world, and ancient stories about Judaculla tell of the Creator and creation, the origin of humans, and the proper way to be Cherokee. We at Western Carolina University inherit these stories so that we may better understand the deep significance of this beloved place and our role here.

We are dedicated to supporting the Eastern Band of Cherokee Indians and all indigenous tribes throughout the world in achieving futures of their own making. We will continue to collaborate with tribal nations to address the challenges at hand, and we want each of you to accept the charge of learning and supporting our relationship with indigenous people during your time at WCU. This work acknowledges our sense of place and reinforces our mission at Western Carolina University.

Accreditation

Western Carolina University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, master's, and doctorate degrees. Degree-granting institutions also may offer credentials, such as certificates and diplomas, at approved degree levels. Questions about the accreditation of Western Carolina University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

In addition to this institutional accreditation, other program-specific accreditation by appropriate agencies includes these:

AACSB International - The Association to Advance Collegiate Schools of Business
ABET, Computing Accreditation Commission
ABET, Engineering Accreditation Commission
ABET, Engineering Technology Accreditation Commission
American Chemical Society
American Dietetic Association

American Speech-Language-Hearing Association
Commission on Accreditation of Allied Health Education Programs in cooperation with
the Council on Accreditation of the American Health Information Management
Association, and the Joint Review Committee on Educational Programs for the
Emergency Medical Professions
Commission on Accreditation of Athletic Training Education
Commission on Accreditation in Physical Therapy Education
Commission on Collegiate Nursing Education (CCNE)
Council on Accreditation of the American Association of Nurse Anesthetists
Council for Accreditation of Counseling and Related Educational Programs
Council for the Accreditation of Educator Preparation
Council on Social Work Education
Foundation for Interior Design Education Research (FIDER)
National Accreditation Council for Environmental Health Science and Protection
National Association of Schools of Music
National Association of School Psychologists
National Council of Teachers of English
North American Society for Sport Management/National Association for Sport and
Physical Education
North Carolina Board of Nursing
North Carolina Department of Public Instruction
Project Management Institute, Inc.

The university is a member of appropriate state and national associations and organizations to which its professional programs are related. These include but are not limited to the following:

Academy of Criminal Justice Sciences
American Association of Colleges for Teacher Education
American Association of Colleges of Nursing
American Association of Higher Education
American Association of State Colleges and Universities
American College Dance Festival Association
American Council on Education
American Society of Allied Health Professions
Association for Continuing Higher Education
Association of Governing Boards of Universities and Colleges
Association for Theatre in Higher Education
Carnegie Project on the Education Doctorate
College Entrance Examination Board
Conference of Southern Graduate Schools
Cooperative Education Association
Council of Graduate Schools in the United States
Institute for International Education, Inc.
International Council for Small Business
Mathematics Association of America
National Association of Student Financial Aid Administrators
National 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

Undergraduate Academic Programs Offered at WCU

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

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

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

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

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

The College of Education and Allied Professions. Bachelor of Science in Education with majors in elementary education, inclusive education, middle-grades education, and health and physical education. In collaboration with the College of Arts and Sciences and the David Orr Belcher College of Fine and Performing Arts: Bachelor of Science in Education with majors in art, comprehensive science, English, mathematics, music, social sciences, and Spanish. Bachelor of Science with majors in birth-kindergarten, parks and recreation management, psychology, and special studies.

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

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

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

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

The Academic Calendar

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

Undergraduate Study at Western Carolina University

Hunter Library

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

- Extensive books and periodicals. This collection is augmented by a cooperative agreement with UNC Asheville and Appalachian State University using a shared online catalog and delivery service. Students can readily borrow items from these other libraries and generally receive them in two days or less.
- 200+ electronic databases and 70,000+ electronic journals that can be accessed remotely
- Electronic reserves collection that can be accessed remotely.
- Free interlibrary loan service for all students and employees
- 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
- Streaming and physical media
- Curriculum Materials, maintaining collections of state-adopted textbooks, curriculum guides, children's literature, and other classroom instructional materials in support of the university's professional education programs.

Service and Research Centers

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

Accessibility Resources. It is the mission of the Office of Accessibility Resources (OAR) to remove barriers and ensure equal access for all qualified students with disabilities. We accomplish this mission by providing accommodations and related support services for students with documented disabilities. Accommodations are provided when deemed necessary and reasonable for a particular student and are determined on a case-by-case basis through an interactive process between the student and the OAR. Accommodations may include but are not limited to, testing accommodations, note-

taking accommodations, alternate format texts and materials, assistive technology, and communications assistance (such as sign-language interpreters or captioning services). It is the student's responsibility to disclose their disability, request academic or physical accommodations, and provide documentation. The request can be made at any time; however, some accommodations may take time to put in place, so it is best to make the request as early as possible in the semester. The OAR also provides coaching, self-advocacy training, awareness events/activities, and training for faculty and staff. For more information, please visit go.wcu.edu/oar.

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

Activities/services include the following:

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

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

The Rapid Center. The College of Engineering and Technology houses the Rapid Center, a research and development center whose primary mission is to partner with businesses, industry, and entrepreneurs to develop new products and processes. Within a dynamic environment for applied additive manufacturing and testing, our industry-experienced faculty and staff work with business partners to address their specific needs and to remove obstacles to product commercialization and process improvement. The Rapid Center fosters a culture of collaborative innovation helping clients refine existing products, develop new ones, and improve business practices. At the same time, our engineering, technology, and construction students, working with faculty mentors work with The Rapid Center to address real-world problems for project sponsors while gaining applied experiences during their senior capstone project. The Rapid Center's offices, classrooms, and labs are located in the Belk Building and Center for Applied Technology on the Cullowhee campus. Our facilities are fully equipped with professional software and hardware that meets or exceeds industry standards for product design, development, and advanced testing. The Rapid Center serves businesses and industries throughout the Southeast and beyond, providing access to world-class product development resources while working to achieve our goals of economic transformation and engaged learning.

The Rapid Center is partially funded by the Economic Development Administration, an agency of the U.S. Department of Commerce, and is a partner of WCU's EDA University Center. Collaborating with the Small Business Technology Development Center (SBTDC) and the Center for Entrepreneurship and Innovation in WCU's College of Business, the Rapid Center assists individuals and companies whose combined successes will improve the economic strength of the state, the region, and the Southeast.

To learn more about the student/faculty projects and how to become involved with the Rapid Center, visit rapid.wcu.edu.

Center for Community Engagement and Service Learning. The Center for Community Engagement and Service Learning helps WCU students, faculty, and staff find service opportunities in the region. The office plans and promotes volunteer opportunities, facilitates course-based service learning projects, and tracks and recognizes student engagement in service through the Lily Community Engagement Award program.

Service opportunities are available at over 130 community agencies and include many types of projects. Through service learning, students can improve their understanding of course content, meet community needs, develop career-related skills, and become responsible citizens. Each year, WCU offers nearly 100 courses with service learning components, spread across every college and school of the university.

Department of Veterans Affairs (VA) Educational Benefits. Western Carolina University is approved under the provisions of Title 38 United States Code, Chapter 36, to receive and process VA education benefits. Persons eligible and entitled under provisions of Chapters 30, 31, 33, 35 and Sections 901 and 903, and Title 10 United States Code, Chapter 1606 may enroll in programs approved by the North Carolina State Approving Agency. All inquiries concerning Veterans Affairs educational benefits should be addressed to the VA Certifying Official, Military Student Services, 138 Camp Building, Western Carolina University, Cullowhee, North Carolina 28723, telephone (828) 227-3074.

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

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

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

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

Information Technology. The Division of Information Technology is responsible for providing technical assistance, information, and services in support of Western's mission and aspirations. These services include providing information resources to students, faculty, and staff to support teaching, learning, research, and administrative and regional engagement efforts. Information Technology provides advice, planning, and technical guidance for the appropriate use of technology in support of the university's educational endeavors. Information Technology is located in various campus buildings with assistance available at many of WCU's facilities beyond the Cullowhee campus. The

university is an active member of EDUCAUSE, a nonprofit association whose mission is to advance higher education by promoting the intelligent use of information technology. The university is also a member of Internet2, a software and networking consortium led by members from the research and education communities, industry, and government.

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

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

There are over 5,000 WCU-owned computers and mobile devices in offices, classrooms, and lab facilities, all with connections to high-speed broadband networks. Students enjoy high-speed network connectivity from their residence hall rooms or from the EDUROAM wireless network available throughout the Cullowhee campus. The Technology Commons, our IT walk-up location, which boasts a multitude of services, is located on the ground floor of Hunter Library. Their hours can be found at tc.wcu.edu, but the Technology Commons is always open 24 hours during the last two weeks of the fall and spring semesters. Users may call the Information Technology Help Desk locally at (828) 227-7487 or toll-free at (866) 928-7487, email ithelp@wcu.edu, or visit the Online Help Desk/Self-Service page located at: help.wcu.edu for assistance with any Information Technology service or resource. Faculty routinely work with the Coulter Faculty Commons to integrate technology into their teaching activities.

Information Technology supports both Windows and Apple operating systems along with various software applications including a focus on Microsoft Office products. Office products are provided for faculty, staff, and students along with upgrades for the Windows operating system for university and personal computers. Information Technology also provides computer virus protection software to all students, faculty, and staff and is committed to keeping computers safe, secure, and current in a highly-networked campus computing environment. Many software packages are centrally licensed with a limited number of licenses available in labs and classrooms, but they can also be accessed anytime/anywhere through our VCAT service. Visit vcat.wcu.edu for more information. Statistical packages and other specialized software, including digital media editing, geographical information systems, and engineering design programs, can be found in collaborative labs and classrooms.

IT Video Services provides consultation and technical support for campus video needs, including audio/video production, streaming, live event support, and video conferencing services through the North Carolina Research and Education Network (NCREN). The Division of Information Technology (DoIT) website at doit.wcu.edu provides a variety of useful technology information and self-help resources, as well as links for downloading software for personally-owned computers and accessing computer purchasing information.

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

- Help develop WCU students into global citizens
- Manage WCU's *study-abroad* programs

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

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

Mountain Heritage Center. The center collects, interprets, and disseminates knowledge about the southern Appalachian region and its people. Its research and artifact collections promote public awareness of the region's rich natural and cultural heritage using publications, exhibitions, and demonstrations presented both on campus and throughout western North Carolina. The center also collaborates with public schools in preparing programs for educational enrichment and provides a learning experience for university students through internships.

Myron L. Coulter Faculty Commons for Excellence in Teaching and Learning. The Coulter Faculty Commons, founded in 1988, provides comprehensive support for all part and full-time faculty and Graduate Teaching Assistants in teaching, learning, research, and engagement. Located in Hunter Library, the CFC's mission includes the enhancement of student learning, the facilitation of effectiveness in instructional technology, the planning and implementation of events/ professional development opportunities, and the support of faculty research. Graduate students and faculty who participate in CFC activities can document their participation and collaboration with the CFC to show evidence of professional development in teaching and learning. For more information, visit the CFC website at <http://www.wcu.edu/learn/faculty/coulter-faculty-commons/>

Activities and services include the following:

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

The Coulter Faculty Commons can be reached at (828) 227-7196.

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

School-University Teacher Education Partnership (SUTEP). SUTEP, housed in the College of Education and Allied Professions, partners with more than 100 schools in the 18 western North Carolina school systems. These partnerships are designed to enrich school-university relationships, strengthen teacher preparation, and provide professional development for teachers and school administrators.

Southern Appalachian Biodiversity and Ecology center (SABEC). Faculty and students in Biology and Natural Resources Conservation and Management collaborate with Highlands Biological Station, regional groups, and public schools in education, research, and outreach focused on ecology and biotic diversity in the mountain ecosystems of western North Carolina and surrounding areas.

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

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

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

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

As a program of the university system, the SBTDC strives to leverage the assets of WCU to benefit businesses in the region. Each year, in partnership with professors from the College of Business, well over 250 students from WCU participate in applied learning projects designed to assist companies with improvement and growth. These projects

provide a hands-on learning experience for students and much-needed resources for businesses. Finally, the Center administers a summer internship program for rising seniors at WCU who work with a small business in the region for eight weeks over the course of the summer. Students apply for specific positions with companies that have expressed interest in hosting an intern.

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

Academic Advising Center

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

Tutoring Services

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

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

Tutoring services are available during fall, spring, and summer terms and are offered to enrolled students without charge.

In addition to using the WaLC's online resources, distance students and students taking classes at Biltmore Park are encouraged to use Brainfuse, an online tutoring service provided by The Division of Educational Outreach. For more information about Brainfuse, visit onlinetutoring.wcu.edu.

The Mathematics Tutoring Center (MTC), located at 214 Killian Annex, is an associated service of the **Writing and Learning Commons** Group. We are located on the second floor of Killian Annex, and we are closely connected with the **Math and Computer Science Department**. We are mainly a drop-in tutoring service, serving students who are taking math and computer science courses at WCU, and we do offer some appointments for Math and Computer Science courses through Navigate. Our normal hours of operation are 9 am - 9 pm, Monday through Thursday, and 9 am - 5 pm on Fridays during the Fall and Spring semesters. The Director, Sibley Bryan, can be reached at (828) 227-3830 or at fsbryan@wcu.edu.

Educational Outreach

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

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

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

Camps and Conferences. The division provides support for educational conferences, camps, and special events and is the facilitator of faculty-led conferences on campus. Several annual conferences are held each year on campus with expert faculty from Western Carolina University and from throughout the U.S. Experienced staff can help develop budgets; assist in program planning; secure appropriate facilities; arrange for lodging, meals, banquets, and tours; provide brochure design, printing, and mailing service; handle registrations; and manage financial details. Depending on the university calendar and the preference of the sponsors, conference participants may be housed in campus facilities or off-campus commercial settings.

Professional Growth and Enrichment. With the rapid explosion of new knowledge and technologies, up-to-date information is vital for today's professionals. A range of opportunities, both online and face-to-face, is available for continued learning in many fields. There are non-credit opportunities for recertification or certification in a variety of fields including nursing, project management, and drug and alcohol. Programs can be tailored to meet specific organizational needs and to assist in corporate training efforts at any site.

Military Student Services houses military student services including the certification office for military-affiliated funding for active duty, veterans, spouses, and dependents. The Office acts as a one-stop for all things military from recruitment to graduation. The Office advocates for military students and educates the campus as to the special circumstances of military students. Additionally, the Office supports the Student Veterans Association. Visit the website at military.wcu.edu or contact the office by email at military@wcu.edu or call (828) 227-7397.

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

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

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

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

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

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

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

Other Offices and Services

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

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

please contact the Director, Dr. Brian Railsback, at brailsba@wcu.email.edu or call (828) 227-3933.

Chancellor's Division/Chief of Staff

The chancellor's division includes units that deal strategically with internal controls, compliance, and external messaging and outreach.

Reporting to the chancellor are the chief of staff with responsibility for external affairs, the general counsel with responsibility for legal services and compliance, the chief diversity officer with responsibility for equal opportunity and inclusive excellence, and the chief audit officer with responsibility for internal audit and risk management

Office of the Chief of Staff (External Affairs)

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

University Communications and Marketing. University Communications and Marketing is led by the chief marketing and communications officer and includes the university's news, media relations, social media, creative services, and photography and videography functions.

Communications and Marketing is responsible for branding and licensing, external and internal communications, media relations, photography and videography, institutional content and design, the web, marketing and advertising, and social and emerging media. The team is dedicated to advancing the mission of WCU through strategic, integrated communication and outreach, and works to share the stories of the university, its people and programs, and its impact on the Western North Carolina region - and beyond.

External Relations. The Office of External Relations is led by the deputy chief of staff/director of external relations who functions as the university's official liaison with elected and appointed officials from the municipal to the federal levels. External relations pursues funding opportunities and policy advocacy for WCU with congressional and state legislative leaders and other elected and appointed officials and agencies. External relations also oversees the function of university special events.

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

Economic Development. The Office of Economic Development is led by the executive director of economic development and regional partnerships. The office functions to create partnerships that link university, nonprofit, government, and industry resources to address community and economic development needs primarily in the westernmost counties served by WCU.

Office of Legal Counsel and Compliance

The Office of University Counsel is led by the General Counsel and provides legal advice to the Board of Trustees, the chancellor, the administration, faculty, and staff on legal matters involving or affecting the institution; advises the university administration on a broad range of initiatives, policy matters, and issues; and serves as a liaison between the university and its related and affiliated entities on legal issues. In addition, the office of

compliance supports administration, faculty, and staff in our mutual effort to maintain compliance with all rules and regulations applicable to WCU.

Office of Equal Opportunity and Diversity

The Office of Equal Opportunity and Diversity is led by the Chief Diversity Officer and aspires to strengthen diversity as an integral component of academic excellence within WCU and, in the process, to establish the university as a leader within North Carolina in preparing its students for success in a culturally and racially diverse society.

Office of Internal Audit

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

North Carolina Center for the Advancement of Teaching

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

Student Life and Services

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

Residential Living

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

The residence halls are open to all students, undergraduate and graduate, to the extent available. Freshmen, sophomores, and some transfer students are required to live on campus. This requirement may be waived if the student is married or lives with a parent/legal guardian in a county contiguous to Jackson County. For full details regarding the residency requirement, please read University Policy #96 at <https://www.wcu.edu/discover/leadership/office-of-the-chancellor/legal-counsel-office/university-policies/numerical-index/university-policy-96.aspx>.

A variety of accommodations are available including private and double rooms, suite-style buildings, and graduate housing. Each room is furnished with computer data ports, single beds, study desks, chairs, dressers, and closets. Students provide their own pillows, bed linens, towels, lamps, clocks, wastebaskets, and telephones (A list of suggested items to bring can be found on the Residential Living website). Cable television is provided in student rooms and in designated public areas. Other amenities include vending machines, washers, and dryers. Mail service is provided to all residential students at the Student Mail Center located in the University Center. Mailing addresses are assigned by the

Department of Residential Living and are provided when students receive housing assignments.

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

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

Dining Services

Please review the Dining Services website at dining.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 (828) 227-7396.

Student Activities and Services

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

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

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

Leadership Programs. Located in the University Center, Leadership Programs is committed to providing students with opportunities to continually enhance leadership skills and interests.

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

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

In addition, the Leadership Programs 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 hours of elective courses and 9 required credit hours).

More information about the Leadership Programs and the Leadership minor is available online: <https://www.wcu.edu/experience/campus-activities/leadershipprograms.aspx>.

Counseling and Psychological Services. Provides free and confidential short-term counseling and emergency services for students. Other services include support groups,

consultations, psychiatric medication assessments, referrals, and outreach presentations and programs. Please refer to our website at <https://www.wcu.edu/experience/health-and-wellness/caps/index.aspx> for further information on our services, staff, and mental health resources. Initial appointments can be made in person (Bird Bldg. 2nd floor) or by phone (828) 227-7469. Please refer to our website for a list of our weekly groups, outreach presentation topics, and biofeedback services.

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

Greek Student Engagement and Development. Located in the University Center, Greek Student Engagement and Development (GSED) supports 23 fraternities and sororities represented by the College Panhellenic Council, Interfraternity Council and the National Pan-Hellenic Council, and National Association of Latino Fraternal Organizations. Membership in a fraternity or sorority can greatly enhance students' collegiate experiences, and help them cultivate positive connections, social growth, intellectual development, and values-driven decision-making. For more information, visit gogreek.wcu.edu.

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

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

Ramsey Regional Activity Center. Western North Carolina's most versatile entertainment complex, the Liston B. Ramsey Regional Activity Center provides quality programming for the entire community. The 8,000-seat arena hosts major concerts, national touring acts, commencement, and Catamount basketball and volleyball. Student tickets to major events are often available at a discount. For more information, visit www.wcu.edu/ramsey/.

Student Government. The Student Government Association (SGA) is an active, vital part of the university community. Each student has the right to vote in all student elections and may participate in SGA by running for office or 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 <https://www.wcu.edu/experience/campus-activities/studentorganizations/sga/index.aspx> for more information.

WCU Community Creed and the Code of Student Conduct

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

Western Carolina University Community Creed

Creed: a system of beliefs, principles, and aspirations

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

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

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

Campus Safety Report and Emergency Preparedness

Western Carolina University Police work to keep the campus community safe and help prepare the campus for emergencies. An annual safety report is posted online at <http://www.wcu.edu/discover/campus-services-and-operations/university-police/> in compliance with the Jeanne Clery Crime Statistics Act (formerly the Campus Security Act). A link to an Emergency Information website is included at the bottom of all WCU web pages or can be opened at [emergency.wcu.edu](https://www.wcu.edu/emergency) for details on campus preparedness and emergency notification systems. All students, faculty, and staff are encouraged to carefully review this information.

Department of Emergency Services

The Western Carolina University Department of Emergency Services (DES) is responsible for developing, implementing, and maintaining institution-wide programs that promote campus-wide security and safety, along with all-hazards emergency and disaster prevention, mitigation, preparedness, response, and recovery programs. These programs include comprehensive planning, training, and exercise programs that enhance WCU's ability and capability to manage large-scale incidents that affect the WCU campus and instructional sites. The Department of Emergency Services closely coordinates with other WCU public safety departments, including WCU Police, WCU Emergency Medical Services, and WCU Safety and Risk Management. Numerous preparedness resources can be found on the Department of Emergency Services website at <https://www.wcu.edu/discover/campus-services-and-operations/emergency-services/>.

An Emergency Guide can be found at <https://www.wcu.edu/discover/campus-services-and-operations/emergency-services/emergency-guide.aspx>. All students, staff, and faculty are strongly encouraged to 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 NC. Criminal Justice Training and Standards Commission and meet all standards set by the Attorney General for law enforcement officers in this state.

All crimes that occur on the campus of WCU should be reported to the University Police Department. Emergencies should be reported by dialing 8901 or 911 from a University telephone or by dialing (828) 227-8911 from your cellular telephone; non-emergencies may also be reported by dialing (828) 227-7301. Crimes may be reported by visiting the University Police Department, located in the Camp Building Annex, or by contacting an officer on patrol. Officers may also be summoned for emergencies by activating any of the emergency blue-light call boxes placed at various locations throughout campus.

Information regarding crime reports, statistics, and prevention programs is available at the University Police department and on their website at police.wcu.edu.

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

Everyone parking a vehicle on campus must register that vehicle with the Parking Services Office and display a current decal on that vehicle. Parking and traffic regulations literature is made available in the Parking Services Office, located on 3344 Old Cullowhee Road. These same regulations are made available online at <https://www.wcu.edu/discover/campus-services-and-operations/parking-and-transportation/regulations/index.aspx>.

The Parking, Traffic, and Safety Committee, composed of students, faculty, and staff, functions as an appellate board for faculty and staff members wishing to contest parking citations. Appeals concerning student violations are heard by a similar SGA appellate committee. The faculty and staff parking citation appeal form is available online at http://www.wcu.edu/WebFiles/PDFs/police_appeal_form_faculty_staff.pdf, or in the Parking Services Office. The student parking citation appeal form is available online at <https://wcuparking.t2hosted.com/Account/Portal>. For more information, contact the University Parking Services Office at (828) 227-7275 (PARK).

Shuttle Bus System (CAT-TRAN). Cat-Tran provides shuttle service along prescribed routes throughout the semester during day-class hours. Reduced shuttle service is available during evening, weekend, and summer hours. The Cat-Tran does not operate during holidays, spring or fall breaks, or semester breaks. The Cat-Tran buses are used for the daily shuttle routes and are not available for special events or group use. For information regarding routes, hours of operation, or other issues, please visit the Cat-Tran website at <http://www.wcu.edu/discover/campus-services-and-operations/parking-and-transportation/cat-tran/index.aspx> or call the Cat-Tran office at (828) 227-8726 (TRAN).

Other Services and Facilities

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

Books and Supplies. The Catamount Bookstore offers students a variety of educational materials and supplies, as well as clothing, gifts, greeting cards, and miscellaneous items. An extensive selection of paperback books is offered for class use and extracurricular reading. All books for graduate students and, distance-learning students -- as well as supplemental text- and course-related materials for undergraduates -- are sold by the store. Caps and gowns, graduation invitations, and class rings may also be purchased at the store. For more information, call (828) 227-7346 or visit our website at books.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. The U.S. postal regulations do not permit receipt of mail through general delivery after an initial 30-day period. A postal commodity machine offering stamps, envelopes, postcards, aerograms, overseas services, and other features is located in the University Center.

Project Discovery-Talent Search. Talent Search is a federally-funded program through the U.S. Department of Education hosted here at Western Carolina University. Our mission is to assist first-generation college-bound students with enrollment in post-secondary schools. Talent Search provides a wide range of support services to 900 area middle- and high-school students. Academic, career, and financial aid counseling as well

as a variety of summer and adventure educational experiences are also provided. Talent Search can be reached at (828) 227-7137 or by visiting

<https://www.wcu.edu/engage/project-discovery/index.aspx>.

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

Policy on Responsible Use of Information Technology Resources

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

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

Admissions

Admissions - General Information

Questions regarding undergraduate admission should be directed 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 guests are invited to visit campus. A visit provides an opportunity to visualize more fully the meaning of attending the university, especially if classes are in session. For more information on tour registration, go to visit.wcu.edu or call the Office of Admission at (828) 227-7317.

Applications

Applicants for undergraduate admission must submit all of the following:

1. A completed application form
2. An application processing fee (see Fees, Expenses, and Financial Aid section). The application fee covers the cost of processing the application and is not refundable or applicable toward other charges and payments.
3. Complete academic records as described below in "Categories of Undergraduate 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, Priority Action, or Regular Action cycles. Deadlines are detailed in the following pages.

Advance Deposits

Each new undergraduate student who is admitted to Western Carolina University in resident credit coursework is required to submit an advance enrollment deposit of \$300. This payment will be credited to the charges for the first semester of enrollment. Refer to University Policy 96 for information pertaining to students who are required to live on campus. The advance enrollment deposit is non-refundable. The deadline for this payment for the fall semester is May 1 and for the spring semester is December 1. For additional information, see the section on "Fees, Expenses, and Financial Aid" of this catalog.

Mandatory Action Steps for Admitted Students

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

Computer Admission Requirement for Undergraduates

Western Carolina University strives to ensure that students have access to the highest quality education and can take maximum advantage of the changes in information and communications technologies. All newly admitted and readmitted degree-seeking undergraduate students are required to have an appropriate, networkable laptop. The computer requirement includes software and hardware components. For further

information, see the WCU IT website at <https://www.wcu.edu/learn/academic-services/it/index.aspx>.

Undergraduate Admission

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

First-Year Students

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

Entrance Examinations

Freshman applicants must take the SAT or the American College Test (ACT). The achievement test in subject-matter fields is not required. For the SAT, application forms and information concerning the test fee, dates, and centers may be obtained from the College Board, 250 Vesey Street, New York, NY 10281, or online at <https://www.collegeboard.org/>. Information and application for the ACT may be obtained from The American College Test National Office, P.O. Box 168, Iowa City, Iowa 52243, or online at <https://www.act.org/>, and from high school guidance counselors. Applicants must request that their scores be sent to the Office of Admission, Western Carolina University, Cullowhee, North Carolina 28723. The 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 strong background in English, mathematics, foreign language, social studies, and natural sciences is required. To be considered for any category of admission, students must have graduated from high school and successfully completed the following 15 Minimum Course Requirements (MCR) of college preparatory courses:

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

The "course units" listed below may have been taken while you were enrolled in high school, but they may also include courses you have completed after graduating:

Six course units in language, including

- four units in English emphasizing grammar, composition, and literature, and
- two units of a language other than English.

Four course units of mathematics, in any of the following combinations

- algebra I and II, geometry, and one unit beyond algebra II,
- algebra I and II, and two units beyond algebra II, or
- integrated math I, II, and III, and one unit beyond integrated math III.

The University strongly encourages future students to take at least one mathematics course unit in the 12th grade.

Three course units in science, including

- at least one unit in a life or biological science (for example, biology),
- at least one unit in physical sciences (for example, physical science, chemistry, physics), and
- at least one laboratory course.

Two course units in social studies, including

- one unit in U.S. history.

Students who do not have the unit in U.S. history may be admitted on the condition that they pass at least three semester hours in that subject by the end of the sophomore year.

Admission Procedure

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

Fall

Early Action - Honors College Priority Deadline. The deadline is November 1 for a non-binding decision. Candidates who do not complete the application process (i.e., submitting all required documentation) by November 1 or applying beyond November 1 will be rolled into the next cycle, described below. Early Action preliminary decisions on complete applications are made by mid-December. The nonrefundable enrollment deposit is due by May 1 in order for admitted students to reserve a space in the entering class.

Priority Action - Financial Aid/Scholarship Priority Deadline. The deadline is January 2. Decisions will be mailed on a rolling basis between January and April. The nonrefundable enrollment deposit is due by May 1 in order for admitted students to reserve a space in the entering class.

Regular Action. The deadline is February 1. Decisions will be mailed on a rolling basis and will be made by the end of April. The nonrefundable enrollment deposit is due by May 1 in order for admitted students to reserve a space in the entering class.

Late Admission. Admission may continue after the February deadline. The application will be reviewed depending on space availability and extenuating circumstances; however, students should meet all application deadlines. Decisions will be made on a rolling basis. All decisions will be made no later than May 15 of any year. To reserve a space and to have great priority in the pre-registration and placement process, students should submit enrollment deposits as soon as possible after their admission offer and the decision to attend WCU.

Spring

Application deadline: November 1. Decisions are made on a rolling basis. The deposit deadline is December 1.

WCU Admission Cycle for Transfer Students

Fall

The application deadline is April 1. Applications will be accepted beyond June 1 if space permits.

Decisions will be made on a rolling basis. To reserve a space and to have greater priority in pre-registration and placement processes, students should submit the enrollment deposit as soon as possible after the admission offer and the decision to attend WCU.

Enrollment deposit (non-refundable) due no later than June 1.

Spring

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

Enrollment deposit (non-refundable) due no later than December 1.

Summer

The application deadline is April 1. Decisions will be mailed on a rolling basis up through the enrollment date. The deposit deadline is May 1.

Home-Schooled Applicants

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

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

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

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

Categories of Admission

First-Year Students

Standard Admission

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

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

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

Admission to the Academic Success Program

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

ASP features additional tutoring and small, clustered classes designed to ease the transition from high school to college. Freshmen admitted to ASP may be required to begin their program during the summer term and fulfill all summer requirements to continue in the fall.

Admission to the Spring Entry Program

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

Transfer Students

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

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

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

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

Cooperative Transfer Agreements with Community Colleges

Cooperative agreements exist between WCU and many community colleges across North Carolina. For additional information regarding articulation agreements and partnerships with other schools, refer to online resources at <http://admissions.wcu.edu/TransferAgreements>.

All Former Students

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

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

- They were suspended or dismissed when they ceased enrollment at WCU
- They ceased WCU enrollment for three or more consecutive terms (summer included)
- They wish to change levels or change classifications (e.g. change from non-degree seeking to degree-seeking or from undergraduate to graduate level)

Semester	Fall	Spring	Summer	Fall	Spring	Summer	Fall
Enrollment Status	Enrolled	Not Enrolled	Not Enrolled	Not Enrolled	Reapply		
		Enrolled	Not Enrolled	Not Enrolled	Not Enrolled	Reapply	
			Enrolled	Not Enrolled	Not Enrolled	Not Enrolled	Reapply

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

Returning After Suspension or Dismissal

Students who were suspended or dismissed when they ceased enrollment at WCU must reapply for admission. Conditions for readmission may be specified.

Post-Baccalaureate Students

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

International Students

International students are an important component of campus life and are very much 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 under some exchange agreements), SAT, ACT, TOEFL, IELTS, Duolingo, or Pearson PTE scores, and transcripts evaluated by an approved evaluation company. International applicants from countries where English is not the primary language or who have attended a school where English is not the primary language of instruction must submit a minimum score of 537 (paper-based), or 75 (internet-based) on the Test of English as a Foreign Language (TOEFL), or a minimum score of 6.0 on the IELTS (with no score lower than 5.0 in each area), or a minimum score of 95 with Duolingo, or a minimum score of 50 with Pearson PTE. To receive a visa, students need to provide a statement of financial responsibility. It is expected that international students will not begin studying until the admission process is completed and the student has met all admission conditions.

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

Application deadlines for international students are as follows: February 1 for international freshman applicants for the fall term, April 1 for international transfer applicants for the fall term, and November 1 for the spring term. Contact International Programs and Services *here*.

Other Eligible Persons

Non-degree-seeking Students

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

Special Students

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

Alternative Teacher Licensure Students

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

Dual Enrollment Students

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

Extension Students

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

Transient (Visiting) Students

A student interested in enrolling for a semester or a summer session before returning to another institution may be admitted as a transient. WCU would not be considered the student's home institution; therefore, the student would be deemed to be a nondegree-seeking student at WCU (e.g., no eligibility for financial aid or scholarships through WCU, no evaluation of credit earned elsewhere, etc.).

Students Applying for Special Consideration

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

Military Readmit Policy

A military student who wishes to return to Western Carolina University after being absent for military service for more than 3 consecutive semesters, and who left the University in good academic standing may apply to return under the Military Readmit Policy. The student must complete the Intent to Return Form-Military Readmit and notify the Military Student Services offices.

Military service for the purposes of readmission is defined as service, whether voluntary or involuntary, in the Armed Forces, including service by a member of the National Guard or Reserve, on active duty, active duty for training, or full-time National Guard duty under federal authority, for a period of more than 30 consecutive days under a call or order to active duty of more than 30 consecutive days (this does not include National Guard under state authority). A service member is someone who is a member of, applies to be a member of, performs, has performed, applies to perform, or has an obligation to perform, service in the Armed Forces services on the basis of that membership, application for membership, the performance of service, application for service, or obligation to perform service.

The student will be admitted with the same academic status. This status is defined as being admitted to the same program to which the student was last admitted or if that exact program is no longer offered, the program that is most similar to that program unless the student chooses a different program. The student will be enrolled with the same number of credit hours previously completed unless the student is readmitted to a different program to which the completed credit hours are not transferable. The student will be readmitted with the same academic standing. The cumulative length of the absence and of all previous absences from the school for military service may not exceed five years. Only the time the student spends actually performing service is counted.

Curriculum and licensure requirements change over time. WCU will consider each returning military student's situation on a case-by-case basis to determine if the service member is better served by completing degree requirements in effect at the time of their return or recommend the student be allowed to complete the requirements in effect at the time they originally enrolled at the institution.

Appeals of Admission Decisions

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

Summer Session Admission

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

Application Falsification

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

Fees, Expenses, and Financial Aid

Fee Information

Western Carolina University holds its charges to a minimum, and fees are commensurate with the provision of needed services. The following schedule of fees, due and payable by the payment deadline for each semester, will be effective beginning with the fall semester of the 2023-2024 academic year. The university reserves the right to alter any charges without prior notice upon direction from appropriate governing authorities.

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

Payment of Fees

All charges are due and payable on or before the established payment deadlines 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 Student Accounts Office in the Killian Annex, or online by credit card or webcheck through the MyWCU student portal. In accordance with state policy, a processing fee of \$35 is assessed for returned checks.

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

NC Promise

The North Carolina Promise Tuition Plan (NC Promise) is a State of North Carolina initiative established with the intent of increasing access to a quality university education through the University of North Carolina System (UNC System). This program significantly reduces student costs at four UNC System campuses: Western Carolina University, the University of North Carolina at Pembroke, Elizabeth City State University, and Fayetteville State University. Under NC Promise, undergraduate tuition at WCU is reduced to \$500 per semester for in-state students and \$2,500 for out-of-state students. All undergraduate students, including full-time, part-time, freshmen, transfers, and online learners, qualify for the NC Promise tuition rate. Costs for part-time students are pro-rated based on the number of credit hours taken. The out-of-state tuition rate also applies to undergraduate international students.

The state of North Carolina is matching dollar for dollar the difference between our full tuition price and the NC Promise Tuition Plan cost. The end result is affordability for students without sacrificing quality. Campus-related fees for students and on-campus residency costs are not reduced under the NC Promise Tuition Plan, so it is important for parents and students to understand the full cost of attendance. The NC Promise Tuition Plan will not affect accreditations, academic offerings, student support, or campus experience. In fact, the reduced cost is likely to allow the institutions to attract the highest quality students, resulting in an enhanced learning environment. The tuition portion of costs shown below will reflect the NC Promise Plan.

Enrollment and Housing Deposits

Enrollment

New students (first-year and transfer students) who are admitted to Western Carolina University in resident coursework are required to remit a \$300 nonrefundable enrollment deposit as soon as possible, but no later than May 1 (for summer and fall terms) and December 1 (for spring term). By doing so, the student reserves a place in the entering class and establishes eligibility to preregister for courses to be taken in the first term of enrollment. **This amount is due and payable upon notification of acceptance for admission and must be paid prior to participation in course pre-registration.** The payment is fully creditable to charges for the first semester of enrollment.

Housing

After paying the \$300.00 Enrollment Deposit or receiving a waiver, a Housing Agreement will be available to all new, incoming, first-time, full-time Freshmen, typically within three business days. New transfer students who indicate they would like to live on campus will also have a Housing Agreement available to them, typically within three business days, of the payment of the \$300.00 Enrollment Deposit. New graduate students who wish to live on campus must pay the \$150.00 Housing Deposit in order to begin the process for on-campus housing. Returning students are required to remit a \$150.00 nonrefundable housing deposit to select on campus housing. Housing is not guaranteed for returning students. The housing deposit for returning students is fully creditable to first-semester housing charges. First-time, full-time freshmen are required to live on campus for their first four academic semesters or two years. New transfer students within one year of high school graduation are required to live on campus for their first

two academic semesters or one year. The Department of Residential Living determines and communicates before January 16 of each year if the second-year requirement will be waived for current first-year students. First-year students living with a parent or legal guardian in Jackson, Macon, Haywood, Swain, and Transylvania Counts may submit a Residency Exemption to live at home. To live on campus at WCU, students must be enrolled as residential students in Cullowhee. Distance students are not permitted to live in the residence halls.

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

Resident and Distance Learning Tuition and Fee Charges

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

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

Fees per Semester

Full Time Student

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

<u>Tuition and Required Fees, NC:</u>	
Undergraduate	\$ 3,658.40
Graduate	\$ 5,281.40

<u>Tuition and Required Fees, Out of State:</u>	
Undergraduate	\$ 5,658.40
Graduate	\$ 10,640.90

Graduate	NC Resident	Out of State
Nurse Anesthesia, DNP-CRNA	\$ 8,181.40	\$ 13,540.90
Communication Sciences and Disorders, MS	\$ 5,881.40	\$ 11,240.90
Business	\$ 5,731.40	\$ 11,540.90
Family Nurse Practitioner, DNP & DNP-FNP	\$ 7,681.40	\$ 13,040.90
Social Work, MSW.	\$ 5,581.40	\$ 10,940.90
Athletic Training, MSAT	\$ 5,768.90	\$ 11,128.40
Physical Therapy, DPT	\$ 5,911.40	\$ 12,311.

Fees include

\$ 1,392.40 for Health Insurance Fee. This fee may be waived by verifying coverage at <http://studentbluenc.com/#/wcu/welcome>.

Per Semester Charges Detail

Full Time Undergraduate Student

	<u>NC Resident</u>	<u>Out of State</u>
Tuition	\$ 500.00	\$ 2,500.00
Required Fees**	\$ 2,997.40	\$ 2,997.40
Book Rental Fees	\$ 161.00	\$ 161.00
Room (Lower Campus)	\$ 3,121.00	\$ 3,121.00
Meal Plan (Unlimited Basic + 107 DB)	\$ 2,247.00	\$ 2,247.00
TOTALS	\$ 9,026.40	\$ 11,026.40

Fees include \$ 1,392.40 for Health Insurance Fee. This fee may be waived by verifying coverage at <http://studentbluenc.com/#/wcu/welcome>.

Part-time Student

Undergraduate students, enrolled for 11 or fewer hours; Graduate students, enrolled for 8 or fewer hours. An additional \$1,392.40 Mandatory Health Insurance Fee will be charged to all degree-seeking students enrolled for 6 or more hours. The Mandatory Health Insurance Fee may be waived by verifying coverage at <http://studentbluenc.com/#/wcu/welcome>.

	<u>Undergraduate</u>		<u>Graduate</u>	
	NC Resident	Out-of-State	NC Resident	Out-of-State
Per Hour	\$ 185.26	\$ 351.92	\$ 369.12	\$ 964.62

For each course scheduled for audit, a

charge will be made equal to the credit hour value of the audited course.

Additional Academic Fees per Semester

Engineering Major	\$ 100.00
Fine Arts Major Fee	\$ 125.00
Cooperating Teachers Stipend Course Fee	\$ 450.00
Dietetics Program Fee	\$ 125.00
Recreational Therapy Program Fee	\$ 50.00
Emergency Medical Care Program Fee	\$ 350.00
Environmental Health Program Fee	\$ 50.00
Social Work Program Fee	\$ 175.00
Honors College Program Fee	\$ 7.50

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

Additional Miscellaneous Fees

Parking Permit- Freshman Resident	\$ 410.00
Parking Permit- Sophomore Resident & Commuter	\$ 410.00
Parking Permit- Junior Resident	\$ 410.00
Parking Permit- Senior Resident & Graduate	\$ 350.00
Parking Permit- Commuter	\$ 350.00
Motorcycle Permit	\$ 43.00
Weekly Parking Permit	\$ 7.50
Application Fee	\$ 65.00
International Application Fee	\$ 90.00
Late Registration Fee	\$ 10.00
Graduation Fee	\$ 60.00
Late Graduation Registration Fee	\$ 25.00
Returned Check Fee	\$ 35.00
Transcript Fee (Non-Enrolled Students)	\$ 10.50
Replacement Diploma Fee	\$ 35.00
Certificate Fee	\$ 50.00
International Student Fee	\$ 150.00
Study Abroad Fee	\$ 150.00
Residential Technology Fee	\$ 89.00

Athletic Facilities Debt Fee, \$48.00; Brown Hall Debt Fee, \$68.00; Recreational Center Debt Fee, \$77.00; Transportation Fee, \$63.50; University Center Debt Fee, \$12.00; Dining Facility Debt Fee, \$56.50; Health Insurance, \$1,392.40
 (Nonrefundable. Required by degree-seeking students enrolled for at least 6 hours. May be waived by verifying coverage at <http://studentbluenc.com/#/wcu/welcome>)

Textbooks are available to graduate students by purchase only.

Distance Learning Tuition and Fees

Tuition and Fees per Semester Hour

	<u>NC Resident</u>	<u>Out of State</u>
Undergraduate	\$ 65.81	\$ 232.47
Undergraduate - Emergency Medical Care	\$ 89.46	\$ 256.12
Graduate	\$ 277.92	\$ 873.42
Graduate Business	\$ 327.92	\$ 973.42
Doctoral Nursing Practice	\$ 544.59	\$ 1,140.09
Military Undergraduate*	\$ 65.81	\$ 232.47
Military Undergraduate EMC*	\$ 89.46	\$ 256.12
Military Graduate*	\$ 277.92	\$ 277.92
Military Graduate Business*	\$ 327.92	\$ 327.92

Fees for distance education include Education and Technology, Association of

Student Government, Records and Enrollment Management, and Campus Security Fees.

*For any active-duty service member enrolled in a distance learning program, or any student enrolled in a distance learning program and using Department of Defense or Veterans Administration education benefits.

Residence Halls

Standard Residence Hall - (Albright-Benton and Buchanan)	
Private Room	\$3,366.00
Double Room	\$2,397.00
Reynolds Hall	
Private Room	\$3,655.00
Double Room	\$2,880.00
Judaculla Hall	
Private Room	\$3,601.00
Double Room	\$3,137.00
Balsam/Blue Ridge Halls	
Private Room	\$4,118.00
Double Room	\$3,573.00
Robertson	
Private Room	\$3,397.00
Double Room	\$2,842.00
Madison Hall	
Private Room	\$3,825.00
Double Room	\$3,344.00
Village	
Private Room	\$3,845.00
Double Room	\$3,292.00
Allen Hall	
Private Room	\$3,928.00

Double Room	\$3,368.00
Norton Road Hall	
Private Room	\$3,669.00
Double Room	\$3,379.00
Harrill Hall	
Private Room	\$3,666.00
Double Room	\$3,152.00
Noble Hall	
Private Room	\$4,118.00
Double Room	\$3,573.00
Lower Campus- ("The Rocks"; BK, SK, WK)	
Private Room	\$3,621.00
Double Room	\$3,121.00

Late Registration and Payment

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

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

Students and parents can also find additional information on Western Carolina University's Use of Tuition Statement at:

<https://www.wcu.edu/WebFiles/Excel/WCU2022-23TuitionBillStatement.pdf>. This statement provides details on an annual basis for the UNC Board of Governors' approved tuition and fees only. For a list and description of both the UNC Board of Governors' and WCU's fees, go to <http://www.wcu.edu/apply/tuition-and-fees/index.aspx> and choose "UNC Board of Governors and WCU's fees."

Dining Services

Meal Plan Requirement

University policy requires students who live in a residence hall to purchase a meal plan from the residential plans each semester. Unused declining balance points at the end of the fall semester will transfer to the spring semester for continuing students. Unused declining balance points are forfeited at the end of the 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 the fall term does not change the requirement to purchase a meal plan for the spring semester. No refunds will be issued for unused block meals or declining balance points.

Meal Plan Changes

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

Block Plan Meals

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

Declining Balance Points

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

Meal Exchange

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

ID Card

A valid WCU Cat Card is required to use your meal plan. You must personally present your Cat Card to access your meal plan. You may not loan your card to another student. Cards presented in dining locations by someone other than the card owner will be confiscated. Cards and replacements may be obtained in 224F Brown Hall. Cards that are damaged or have impaired photographs may be confiscated. Lost or stolen cards must be reported immediately to the Cat Card office or to University Police to have the card declared invalid. The university and Dining Services are not liable for purchases made with lost or stolen cards.

Serving Dates

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

Meal Plans

Unlimited Premium (\$2,621.50 per semester)

Unlimited "All-you-care-to-eat" meals + \$214.00 Declining Balance Points
(Available to all students)

Unlimited Basic (\$2,247.00 per semester)

Unlimited "All-you-care-to-eat" meals

+ \$107.00 Declining Balance Points
(Available to all students)

150 Block Plan (\$1,872.50 per semester)

150 "All-you-care-to-eat" meals
+ \$535.00 Declining Balance Points
(Available to all students)

Weekly 14 (\$2,086.50 per semester)

14 "All-you-care-to-eat" meals per week
+ \$321.00 Declining Balance Points
(Available to all students)

80 Block Commuter (\$1,294.70 per semester)

80 "All-you-care-to-eat" meals
+ \$588.50 Declining Balance Points

40 Block Commuter (\$807.85 per semester)

40 "All-you-care-to-eat" meals
+ \$428.00 Declining Balance Points

Commuter DB (\$749.00 per semester)

\$749.00 Declining Balance Points

**Freshmen must choose either the Unlimited Premium or Unlimited Basic.

Refund Policies

Students Who Completely Withdraw From WCU

Academic Year Tuition and Fees

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

The first 5 days of class		100 percent
6 to 11	calendar days following the first day of classes	90 percent
12 to 28	calendar days following the first day of classes	50 percent
29 to 57	calendar days following the first day of classes	25 percent
58	calendar days following the first day of classes	0 percent

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

Students who want to drop all courses after the first five (5) days must officially withdraw from the university through the Advising Center. They are, therefore, eligible only for the partial refunds that apply to university withdrawals.

Students who withdraw from the university because of involuntary recall to military service, pursuant to a Presidential order authorizing the call-up of reservists, and who are thereby prevented from receiving credit for the courses in which they are enrolled, will be entitled to a full refund of tuition and fees.

Summer School Tuition and Fees

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

Room and Board

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

Exceptions

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

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

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

Students Who Drop Course Hours

Academic Year Tuition and Fees

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

Summer School Tuition and Fees

Summer school students who reduce their course loads by one or more classes before the first day of classes, during the first two days of class, or on or before the date of the second class meeting, (whichever is later), will have tuition and fees adjusted to reflect

the number of semester hours in which they remain enrolled. No adjustment will be made for reduced loads after the first two days of class.

Tuition Surcharge Policy

Effective Fall 2019, students enrolled at a UNC constituent institution and who exceed 140 attempted hours prior to earning a baccalaureate degree are no longer subject to a tuition surcharge. North Carolina's mandatory tuition surcharge, which had been in effect since 1994, was repealed.

Book Rental Plan

The WCU Bookstore Book Rental Department offers textbook rentals to residential undergraduate students for courses numbered 100-499. Students pay a flat fee of \$161.00 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 has 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, but this does not exempt them from paying the rental fee. Book Rental fees are included with tuition and can be paid at the Student Accounts Office. Further information about the Book Rental Plan can be found at books.wcu.edu.

Book Rental Policy Effective Fall 2004

Rental textbooks must be returned by the day after final exams for any given semester (including Mini-Mester and Summer sessions). The bookstore recommends turning in your rental textbooks as soon as they are no longer needed. It is your responsibility to ensure you have the appropriate materials for exams and that you meet this deadline. Unreturned textbooks will be charged to your student account at the replacement cost. Textbooks returned after the deadline will be credited to your student account at 1/2 the replacement cost. Grossly mistreated books must be purchased. Textbooks may be returned by mail. Include your full name and student ID number and send books to this address:

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

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

Residence Status for Tuition Purposes

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

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

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

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

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

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

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

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

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

Residency Determination for Tuition Purposes

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

The specific requirements for establishing residency for tuition purposes and for eligibility for state financial aid are prescribed by state law. A North Carolina resident for tuition purposes (and for state financial aid consideration) is a person or a dependent person (dependent according to the IRS tax code - not the FAFSA definition of dependency), whose parent or legal guardian has established and maintained legal residence in North Carolina for at least 12 months.

Residence in North Carolina must be legitimate and be a permanent situation. It cannot be maintained just for the purpose of acquiring in-state tuition prior to enrollment at an institution of higher education.

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

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

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

Veterans Choice Act

To qualify for the in-state tuition under the Veterans Choice Act, the student must be using either Post 9/11 (Chapter 33) or Montgomery GI Bill® (Chapter 30) education benefits or MGIB-R (Chapter 1606) or Dependents Education Assistance (Chapter 35). More information on the Veterans Choice Act can be found at Military Student Services: <https://www.wcu.edu/learn/academic-services/military-student-services/>

The Financial Aid Office administers programs that assist students in meeting educational costs while attending Western Carolina University. Offers are based on both need and academic eligibility. Applications for consideration of eligibility are filed annually at no cost to the student and family. Students interested in applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA). The FAFSA must be submitted as soon as possible after October 1 of each year preceding the student's enrollment. The FAFSA can be accessed online at www.fafsa.gov. Use School Code 002981 to indicate Western Carolina University as a recipient of the information. The application should be completed as accurately as possible and should conform to income tax information since discrepancies require the resubmission of information and consequent delay. The receipt of FAFSA information generally completes the application process, provided applicants are not selected for verification, which requires additional documents. Since the most attractive sources of financial assistance are very limited, applicants are encouraged to complete the FAFSA by the institutional priority date of January 2. Failure to complete the application may result in the loss of institutional grants or scholarships. Federal guidelines regarding student financial aid require that a recipient be making "*satisfactory academic progress*" toward a degree. A student must be progressing both qualitatively and quantitatively toward graduation within a prescribed time frame. To comply with these guidelines, Western Carolina University has defined minimum satisfactory academic progress for a full-time undergraduate student to remain eligible for financial aid per the following criteria:

- All undergraduate students must complete (earn) at least 67 percent of all semester hours attempted at Western Carolina University
- Students must maintain a cumulative GPA of 2.00

Notification of Offers

Notification of offers, beginning with completed financial aid applications received prior to January 2, will typically begin on March 1 and will continue thereafter.

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 and part-time enrollment, whether or not financial aid was received or the coursework was successfully completed. All students have the right to appeal, please contact the Office of Financial Aid for appeal forms and additional information.

Return of Title IV

Students who receive federal Title IV financial aid and withdraw from all classes—officially or unofficially—are subject to federal Return of Title IV regulations. Federal Title IV programs include Federal Pell Grant, Federal Direct Loans, Federal Supplemental Educational Opportunity Grant (FSEOG), and Federal TEACH Grant.

Official Withdrawal: A student is considered officially withdrawn when they follow the term withdrawal procedures through the Office of Student Retention. The student's withdrawal date is the date the student initiates the official withdrawal process. The last date of attendance is the date used to calculate the Return of Title IV aid. (See *Term Withdrawal* under the Academic Regulations & Policies section.)

Unofficial Withdrawal: Students who cease attendance and receive grades of Fin all classes, or a combination of Fs and any of the following grades in all classes for the semester—WF, I, IP, U, W—are considered unofficially withdrawn. The determination that a student has unofficially withdrawn is made after grades are posted at the end of the term. The withdrawal date for unofficially withdrawn students is the latest reported date of attendance or academic activity, as reported by the student's instructor(s).

The Federal "Return of Title IV Funds" legislation requires that when a student completely withdraws on or before completing 60% of the term measured in calendar days, the amount of financial aid (federal grants and loans) earned must be calculated based on the student's last date of attendance. Students must repay the difference between the total Return of Title IV Funds disbursed and the percentage of funds earned based on this calculation.

Types of Aid

Three principal types of aid are available:

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

Grants and Scholarships

Grants

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

Federal Pell Grant

Offered to undergraduate students who have exceptional financial need, as determined by the FAFSA, and who have not earned a bachelor's or graduate degree. Federal Pell Grant lifetime eligibility is limited to 12 semesters or the equivalent.

WCU Grant

Offered to students with need. Offers dependent on the availability of funds.

Federal Supplemental Educational Opportunity Grant (FSEOG)

Awarded to undergraduate students, enrolled full-time, who have exceptional financial need, and who have not earned a bachelor's or graduate degree. Federal Pell Grant

recipients, with a 0 EFC (Expected Family Contribution), receive priority. Offer dependent on the availability of funds.

NC Tuition Grant

Offered to undergraduate students, enrolled full-time, who have exceptional financial need, and who have not earned a bachelor's or graduate degree. Federal Pell Grant recipients receive priority. Offered to NC Residents only. Offer dependent on the availability of funds. To establish and retain eligibility for North Carolina State grants, students must obtain and maintain North Carolina residency, as determined by the state of North Carolina. Offer amount is subject to change based on eligibility.

NC Scholarship

Offer is based on \$75,000 adjusted gross income and EFC less than \$8,000 (as determined by FAFSA). Offered to NC residents only. To establish and retain eligibility for North Carolina State grants, students must obtain and maintain North Carolina residency, as determined by the state of North Carolina. The award amount is subject to change based on eligibility.

UNC Campus Scholarships for Native Americans

Under this Board of Governors program, North Carolina residents demonstrating need, who are also 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).

Iraq and Afghanistan Service Grant

You may be eligible for the Iraq and Afghanistan Service Grant if:

- You are not eligible for a Federal Pell Grant based on your Expected Family Contribution (EFC) but
- Meet the remaining Federal Pell Grant eligibility requirements, and
- Your parent or guardian was a member of the U.S. armed forces and died as a result of military service performed in Iraq or Afghanistan after the events of 9/11, and
- You were under 24 years old or enrolled in college at least part-time at the time of your parent's or guardian's death.

Children of Fallen Heroes Grant

You may be eligible for the Children of Fallen Heroes Grant if:

- You were under the age of 24 and enrolled in a higher education program at the time of a parent/guardian death
- Parent/guardian was either a firefighter, police officer, member of a rescue squad or ambulance crew, an employee of a state, local, or tribal emergency management or civil defense agency, an employee of the Federal Emergency Management Agency (FEMA), an individual serving a public agency in an official capacity, such as a law enforcement officer, firefighter, or chaplain
- You are eligible for a Federal Pell Grant based on your Expected Family Contribution (EFC).

Teacher Education Assistance for College and Higher Education (TEACH) Grant

The Teacher Education Assistance for College and Higher Education (TEACH) Grant is offered to students seeking to become teachers in a high-need field in a low-income area. A TEACH Grant is different from other federal student grants because TEACH requires students to agree to complete four years of qualifying teaching as a condition for receiving the grant. If a student does not complete their teaching service obligation, the grant will turn into a loan that the student must repay in full, with interest. You may be eligible for a TEACH Grant if:

- For undergraduate, postbaccalaureate, or graduate students who are enrolled in programs designed to prepare them to teach in a high-need field at the elementary or secondary school level.
- Must agree to serve for a minimum of four years (within eight years of completing or ceasing enrollment in the program for which the student received the grant funds) as a full-time teacher in a high-need field in a school or educational service agency that serves low-income students.
- Must attend a participating school and meet certain academic achievement requirements.
- Failure to complete the teaching service commitment will result in the grant being converted to a Direct Unsubsidized Loan that must be repaid.

UNC Campus Scholarship

The UNC Campus Scholarship advances 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).

Applying for Scholarships

Western Carolina University is proud to recognize many of the generous contributors who have funded endowed scholarships for deserving students. These scholarships have a wide variety of criteria including academic merit, financial need, program of study, county of residence, demonstrated leadership, community service, talent, or campus involvement. For a full scholarship listing, please visit *scholarships.wcu.edu*

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

Performance Scholarships

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

Loans

Federal Student Loans

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

Private Student Loans

These loans are non-federal loans, made by a lender such as a bank. For more information on private student loans, please visit *<https://studentaid.gov/understand-aid/types/loans/federal-vs-private>*.

Direct PLUS Loan for Parents and Graduate/Doctoral Students

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

Employment

Federal Work-Study

Offered to students with need. Students should answer 'yes' to the question on the FAFSA that asks, 'Are you interested in Work Study?' to be considered. If a student is not awarded Federal Work Study in their financial aid package, please contact the Financial Aid Office to be placed on the waitlist. Offer dependent on student eligibility and availability of funds.

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 (Non-Work Study)

Assistance in finding part-time opportunities on- and off-campus is offered through Human Resources and Payroll. All non-work-study job opportunities on campus and some off-campus jobs are posted with Human Resources and Payroll. Students should check the online posted vacancies in Talent Management.

Special Assistance

Veterans Administration Programs

The regulations for VA benefits are complex and vary based on many different factors. For general information, contact the VA directly for information on your specific benefits. 1.888.442.4551 or [vets.gov](https://www.va.gov)

Vocational Rehabilitation Assistance

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

North Carolina Veterans Affairs

The NC Department of Veterans Affairs offers a scholarship to children of disabled veterans. Visit <https://www.milvets.nc.gov/services/scholarships> for more information and to apply.

Scholarships

Applying for Scholarships

Western Carolina University is proud to recognize many of the generous contributors who have funded endowed scholarships for deserving students. These scholarships have a wide variety of criteria including: academic merit, financial need, program of study, county of residence, demonstrated leadership, community service, talent, or campus involvement. For a full list of these scholarships, please visit scholarships.wcu.edu.

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

Academic Scholarships

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

Performance Scholarships

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

Academic Regulations & Policies

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

A student may choose to graduate under the terms of a catalog in effect at the 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 online under the Office of the Provost and the Registrar's Office.

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

Registration

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

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

Late Registration. Except under special conditions, no student is permitted to register or add courses after the schedule adjustment period (add/drop) ends. There is a per-course late fee for all registration performed after add/drop ends. No late registration is permitted after the tenth day of the term, which coincides with when the institution submits census

enrollment to the State. Late Registration dates are announced in the academic calendar and conditions are strictly enforced for those students permitted to drop or add courses during Late Registration, a late registration fee will be charged.

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

Interruptions in Enrollment. Interruption of enrollment of one or more terms may: (1) jeopardize a student's ability to return to or complete a specific program of study, (2) disrupt course sequence toward program completion, (3) necessitate submission of additional documentation prior to registration, (4) delay graduation, or (5) negatively impact scholarship or financial aid eligibility. Some programs require or recommend continuous enrollment. Performance at another institution during a student's absence has a bearing on a student's ability to continue enrollment at WCU. Before interrupting enrollments, students should become familiar with the potential ramifications that an absence in enrollment may have in terms of their ability to return or to complete a specific program.

Stop-Outs. Students whose enrollment is interrupted for three consecutive semesters (any combination of fall, spring summer) are required to seek readmission.

Course Information

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

Guide to Course Numbers

Numbering System. Each course is identified by means of a course prefix and a three-digit number. The first digit of the number designates the level of the course and indicates the minimum class rank students should have achieved to enroll in the course. Some course numbers within the numbering system are reserved for special use.

01-100	Noncredit courses which are not applicable to degrees
101-199	Courses for freshmen
190-199	First-Year Seminar courses
200-299	Courses for sophomores
300-399	Courses for juniors
400-499	Courses for seniors
500-799	Masters-level courses
800-999	Doctoral-level courses

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

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

Core		Perspectives	
C1	Writing	P1	Social Sciences
C2	Mathematics		
C3	Oral Communication	P3	History
C4	Wellness	P4	Humanities
C5	Physical and Biological Sciences	P5	Fine and Performing Arts
		P6	World Cultures

Reserved Course Numbers. Numbers 293, 294, 393, 394, 493, 494, 593, 594, 693, or 694 are reserved for special topics. The number 389 is reserved for cooperative education undergraduate courses, and the number 589 is reserved for cooperative education graduate courses. Within the sequences 480-499, 580-599, 680-699, and 780-799, the second and third digits of the numbers are assigned to special types of courses:

80-82	Independent study and directed-reading courses
83-89	Internships, practicum, and special applied field projects
90-92	Student teaching
93-94	Special topics courses
95-98	Seminars
699	Thesis
779	Continuing Research - Non-Thesis Option
799	Continuing Research - Thesis Option
999	Continuing Research - Dissertation

Credits and Class Meetings. Unless otherwise indicated at the end of the course description, the number of hours a class meets each week is the same as the credit-hour value of the course. The credit-hour value of each course is indicated immediately following its title. In variable credit courses, the minimum and maximum hours are shown as follows: 1-3. Unless repeat credit is specified in the course description, a course may be applied only once toward the hours required for graduation. The availability of a course for repeat credit and the maximum hours that may be earned are indicated immediately following the credit-hour value of the course as follows: 3, R9. In this example, the course carries 3 hours of credit and may be repeated 3 times for a total maximum of 9 hours applicable toward a degree.

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

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

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

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

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

Guide to Course Prefixes

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

Prefix	Field of Study	Department
ACCT	Accounting	School of Accounting, Finance, Information Systems, and Business Law
ANTH	Anthropology	Anthropology and Sociology
ART	Art	School of Art and Design
ASI	Arts and Sciences Interdisciplinary	College of Arts and Sciences
AST	Astronomy	Chemistry and Physics
ATTR	Athletic Training	School of Health Sciences
BA	Business Administration	School of Economics, Management, and Project Management
BIOL	Biology	Biology
BK	Birth-Kindergarten	Human Services

BKSE	Birth-Kindergarten / Special Ed	Human Services
CHEM	Chemistry	Chemistry and Physics
CHER	Cherokee	Anthropology and Sociology
CHIN	Chinese	World Languages
CIS	Computer Information Systems	School of Accounting, Finance, Information Systems, and Business Law
CJ	Criminal Justice	Criminology and Criminal Justice
CM	Construction Management	College of Engineering and Technology
COMM	Communication	Communication
COUN	Counseling	Human Services
CS	Computer Science	Mathematics and Computer Science
CSD	Communication Sciences and Disorders	College of Health and Human Sciences
DA	Dance	School of Stage and Screen
ECET	Electrical and Computer Engineering Technology	College of Engineering and Technology
ECON	Economics	School of Economics, Management, and Project Management
EDCI	Curriculum and Instruction	Human Services
EDEL	Elementary Education	School of Teaching and Learning
EDHE	Higher Education	Human Services
EDL	Educational Leadership	Human Services
EDM	Emergency and Disaster Management	Criminology and Criminal Justice
EDMG	Middle Grades Education	School of Teaching and Learning
EDPY	Education and Psychology	School of Teaching and Learning
EDRD	Reading	School of Teaching and Learning
EDSE	Secondary Education and Special Subject Teaching	School of Teaching and Learning
EDSU	Educational Supervision	Human Services
EDRS	Educational Research	Psychology
EE	Electrical Engineering	College of Engineering and Technology
ELMG	Elementary and Middle Grades Education	School of Teaching and Learning
EMC	Emergency Medical Care	School of Health Sciences
ENGL	English	English Studies
ENGR	Engineering	College of Engineering and Technology
ENT	Entrepreneurship	School of Entrepreneurship, Hospitality & Tourism, Marketing, and Sport Mgt

ENVH	Environmental Health	School of Health Sciences
EOE	Experiential and Outdoor Education	College of Education and Allied Professions
ES	Environmental Sciences	Geosciences and Natural Resources
ESI	Earth Sciences	Geosciences and Natural Resources
ET	Engineering Technology	College of Engineering and Technology
FIN	Finance	School of Accounting, Finance, Information Systems, and Business Law
FOR	Forestry	Geosciences and Natural Resources
FPA	Fine and Performing Arts	School of Stage and Screen
FREN	French	World Languages
FS	Forensic Science	Chemistry and Physics
FTP	Film and Television Production	School of Stage and Screen
GBS	Global Black Studies	College of Arts and Sciences
GEOG	Geography	Geosciences and Natural Resources
GEOI	Geology	Geosciences and Natural Resources
GER	German	World Languages
GERN	Gerontology	College of Health and Human Sciences
HEAL	Health Education	School of Teaching and Learning
HESA	Higher Education in Student Affairs	Human Services
HIST	History	History
HPE	Health and Physical Education	School of Teaching and Learning
HR	Human Resources	Human Services
HSCC	Health Sciences	School of Health Sciences
HT	Hospitality and Tourism Management	School of Entrepreneurship, Hospitality & Tourism, Marketing, and Sport Mgt
IBUS	International Business	School of Economics, Management, and Project Management
ID	Industrial Distribution	College of Engineering and Technology
IDES	Interior Design	School of Art and Design
INST	International Studies	Political Science and Public Affairs
JPN	Japanese	World Languages
LATX	Latinx Studies	College of Arts and Sciences
LAW	Business Law	Business Administration and Law and Sport Management
LEAD	Leadership	Human Services
MATH	Mathematics	Mathematics and Computer Science

MBA	Master of Business Administration	MBA Program
ME	Mechanical Engineering	College of Engineering and Technology
MFE	Manufacturing Engineering	College of Engineering and Technology
MGT	Management	School of Economics, Management, and Project Management
MHS	Master of Health Sciences	School of Health Sciences
MKT	Marketing	School of Entrepreneurship, Hospitality & Tourism, Marketing, and Sport Mgt
MUS	Music	School of Music
NAS	Native American Studies	College of Health and Human Sciences
ND	Nutrition and Dietetics	School of Health Sciences
NRM	Natural Resources Management	Geosciences and Natural Resources
NSG	Nursing	School of Nursing
PA	Public Affairs	Political Science and Public Affairs
PAR	Philosophy and Religion	Philosophy and Religion
PE	Physical Education	School of Teaching and Learning
PHYS	Physics	Chemistry and Physics
PM	Project Management	School of Economics, Management, and Project Management
PMC	Project Management Certificate	School of Economics, Management, and Project Management
PRM	Parks and Recreation Management	Human Services
PSC	Political Science	Political Science and Public Affairs
PSY	Psychology	Psychology
PT	Physical Therapy	Physical Therapy
QA	Quantitative Analysis	School of Economics, Management, and Project Management
RAE	Robotics and Automation Engineering	College of Engineering and Technology
RTH	Recreational Therapy	School of Health Sciences
SCI	Science Education	Geosciences and Natural Resources
SM	Sport Management	School of Entrepreneurship, Hospitality & Tourism, Marketing, and Sport Mgt
SOC	Sociology	Anthropology and Sociology
SOCW	Social Work	College of Health and Human Sciences
SPAN	Spanish	World Languages
SPED	Special Education	School of Teaching and Learning

THEA	Theatre Arts	School of Stage and Screen
USI	University Studies, Interdisciplinary	Academic Affairs
WLL	World Languages and Literatures	World Languages

Credits, Grades, and Quality Points

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

Course Load for Undergraduates

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

Classification

Regular degree-seeking undergraduates are classified based on 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*

Grade	Interpretation	Quality Points per Semester Hour	Grade	Interpretation	Quality Points per Semester Hour
A+	Excellent	4.00	I	Incomplete	--
A	Excellent	4.00	IP	In Progress	--
A-		3.67	S	Satisfactory	--
B+		3.33	U	Unsatisfactory	--
B	Good	3.00	W	Withdrawal	--
B-		2.67	WF	Withdrew/Failing	0
C+		2.33	AU	Audit	--
C	Satisfactory	2.00	NC	No Credit	

C-		1.67			
D+		1.33			
D	Poor	1.00			
D-		0.67			
F	Failure	0			
WF	Withdrew/Failing	0			

*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 add/drop policies and procedures.

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

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

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

Audit. When space is available, a registered student may audit a course with the approval of the advisor, the instructor, and the head of the department offering the course. To enroll, the student must submit a completed course audit form. Change from audit to credit, or the reverse, is permitted only during the regular schedule adjustment period. No credit is earned for auditing, but the audited course must not add hours in excess of the student's maximum load. An audited class will be noted on the student's transcript. Audit courses do not count toward the twelve hours required for full-time enrollment.

Participation in class activities is optional; students should negotiate such conditions with the instructor before seeking permission to audit. Tuition and fees for audited courses are determined by the course's hour value.

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

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

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

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

Withdrawal Policies and Procedures

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

Course Withdrawals

Students may withdraw from any course before the withdrawal deadline as indicated by the Office of the Registrar. Consultation with their academic advisor and the instructor of the course is encouraged prior to initiating the withdrawal. Course withdrawals must be completed in the student portal (MyWCU). Course withdrawals affect credit completion rates, which also affects academic standing. (See *Academic Standing*). Course withdrawals do not count toward credits earned. No refund is given for individual courses from which students withdraw.

Students may withdraw from a maximum of 16 hours of courses in which they receive a grade of Withdrawal (W) during their career at Western Carolina University. A grade of W does not affect GPA. Any withdrawal beyond the limit will result in a Withdraw-Failing (WF), which will affect the term and cumulative GPA as if it were an F.

Post-Deadline Course Withdrawal due to Extenuating Circumstances

A request for a course withdrawal after the published withdrawal deadline will only be considered due to extenuating circumstances, which are defined as unavoidable circumstances outside of the student's control that occurred during the term and severely limit the student's ability to participate and perform in the course. Students can request consideration for a post-deadline course withdrawal for extenuating circumstances through the dean of the college offering the course who will consult with course

instructor and department head. Students will be required to present an explanation of circumstances and relevant documentation to verify the extenuating circumstances specific to pursuing a course withdrawal versus a term withdrawal. See *Documentation Guidelines for Extenuating Circumstances* in this section. Requests must be submitted by the last day of classes and will not be considered if the final exam has been taken. Approved post-deadline course withdrawals due to extenuating circumstances will not count towards the student's 16-hour course withdrawal limit.

Term Withdrawal

A student may withdraw from all in-progress courses during a term by initiating a term withdrawal. A term withdrawal is permitted through the withdrawal deadline as indicated by the Office of the Registrar. A term withdrawal will affect satisfactory academic progress and course completion rates but will not count towards the student's 16-hour course withdrawal limit. Students who complete a term withdrawal may continue their enrollment providing their academic standing permits registration. The term in which the student completes a term withdrawal counts as a term of enrollment for resuming students. (See *All Former Students* under the Admissions section.)

Term withdrawals are initiated in the Office of Student Retention. Students who withdraw from the term will receive a grade of Withdrawal (W) for all courses in which they were enrolled. For the impact of a term withdrawal on tuition/fee payments and financial aid, see *Refund Policies* and *Return of Title IV* under the Fees, Expenses, and Financial Aid section.

Post-Deadline Term Withdrawal due to Extenuating Circumstances

Requests for a term withdrawal after the published withdrawal deadline will only be considered due to extenuating circumstances, which are defined as unavoidable circumstances outside of the student's control that occurred during the term and that severely limit the student's ability to participate and perform in academic courses. Retroactive requests for a term withdrawal will not be considered if one passing grade was achieved or if the next term has ended (e.g., a request for a term withdrawal in fall will not be considered once the following spring term has ended).

Students can request consideration for a term withdrawal for extenuating circumstances through the Office of Student Retention. Inquiries on behalf of a student who is unable to make a request can be directed to the Office of Student Retention. Students will be required to present an explanation of circumstances and relevant documentation or Letter of Support to verify the extenuating circumstances. See *Documentation Guidelines for Extenuating Circumstances* in this section.

The Office of Student Retention will notify students of the request decision. If approved, students will need to contact the Office of Student Retention to complete the term withdrawal within one week of approval. Students approved for an extenuating circumstances term withdrawal while the term is in session will have their academic standing at the end of the previous term applied to the current term. Satisfactory academic progress for financial aid eligibility will be impacted by a term withdrawal.

Documentation Guidelines for Extenuating Circumstances

Students requesting a post-deadline course or term withdrawal due to extenuating circumstances must provide documentation that verifies the extenuating circumstances. Below is a list of types of documentation that may be considered. Other documentation to support the written statements provided with a student's request will be considered. This is not a comprehensive list of possible documentation.

- **For medical/mental health circumstances:**
 - For a term withdrawal request, students will discuss eligibility requirements and obtain instructions from the Office of Student Retention. Students should be prepared to provide either the director of Health Services or the director of Counseling & Psychological Services with medical record documentation regarding treatment for a physical or mental health condition during the term for which they wish to withdraw. A Letter of Support from the director of Health Services or the director of Counseling & Psychological Services is required. A letter of support indicates that the appropriate office has verified the student's medical documentation and supports the student's request for a withdrawal. The student and the Office of Student Retention will be notified if a Letter of Support can be provided.
 - For a course withdrawal request, students will discuss eligibility requirements and obtain instructions from the dean of the college offering the course. Students should provide documentation regarding treatment for a physical or mental health condition during the term and an explanation of the impacts of that condition on the course.
- **For military deployment:** Students called to active military service can provide orders showing notice of call to duty. Students affected by a parent's or spouse's call to duty can provide military orders and details to demonstrate sufficient cause for consideration due to changed circumstances. Students may either request:
 - A retroactive drop and full refund of tuition and fees, or
 - If at least 75% of the term has been completed, a final grade based on the work completed in each of their courses.
 - Note: A request for active military service withdrawal can be made before the posted withdrawal deadline. Students who enlist in the military are subject to the withdrawal deadline.
- **For death of a family member:** A death certificate or obituary.
- **For changes in employment or other unexpected financial difficulty:** Statement from an employer indicating employment change, financial/bank statements, etc.
- **For reasons related to a Title IX investigation:** A Letter of Support from the Title IX Coordinator. To obtain a Letter of Support, students should discuss their options with the Title IX Coordinator.
- **For other major life events:** Legal documentation, police reports, insurance reports, etc.

Class Attendance Policy

I. General Attendance Policy

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

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

requirements for students who are performing less than satisfactorily. Each student is responsible for complying with the announced procedures for making up missed work.

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

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

II. University Sponsored Absences

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

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

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

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

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

Forms for University Sponsored Absence and Class Absence due to Required Religious Observance are available on the Registrar's web page at <https://www.wcu.edu/learn/academic-services/registrars-office/forms.aspx>.

III. Absences Related to Individual Courses, Programs, or Organizations

Field trips, field research, service learning, conferences, performances, or other activities related to individual classes, programs, or organizations, are not considered institutional events but may be integral components of the curriculum or important for student learning or professional growth. Faculty who sponsor outside activities may request that other faculty excuse students from their classes so they may attend the outside event. Faculty of the other courses are encouraged to support the requests when it is reasonable to do so; however, individual faculty of the other courses will determine whether to excuse the absence. In all cases, it is the student's responsibility to fill out required coursework in a timely fashion. Should students be unable to attend the outside class event because of required attendance in other classes, they will not be penalized by the professor offering the outside activity.

IV. Drop for Non-Attendance

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

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

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

V. Religious-Holiday Observance Policy

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

VI. Military Excused Absences

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

Students are responsible for informing their course instructors that they are members of the National Guard or Reserves and for avoiding registering for courses in which frequent military-excused absences will significantly and substantially impact their academic learning.

Students who seek to be excused from class for Guard or Reserve duty, are encouraged to provide a copy of orders or a letter from the unit commander to the course instructor and to ask the instructor about making up missed coursework. The course instructor is encouraged to permit the student a reasonable amount of time to make up missed assignments. Whether students are allowed to make up missed assignments or tests depends upon faculty discretion.

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

Final Examination Schedules

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

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

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

To reschedule, the following steps should be taken:

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

Graduation and Certification

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

Specific deadlines for filing degree applications are listed in the Academic Calendar.

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

Academic Integrity Policy and Reporting Process

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

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

1. General:

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

2. Definitions:

1. *Cheating* - Using, or attempting to use, unauthorized materials, information, or study aids in any academic exercise
2. *Fabrication* - Creating and/or falsifying information or citation in any academic exercise
3. *Plagiarism* - Representing the words or ideas of someone else as one's own in any academic exercise
4. *Facilitation* - Helping or attempting to help someone commit a violation of the Academic Integrity Policy in any academic exercise (for example, allowing another person to copy information during an examination)
5. *Self-plagiarism* - Reusing work that you have already published or submitted for a class. It can involve re-submitting an entire paper, copying, paraphrasing passages from your previous work, or recycling old data

3. Undergraduate and Graduate Academic Integrity Process:

1. Within five (5) business days of the instructor's knowledge of the alleged violation of the Academic Integrity Policy, instructors will inform their department head (or associate Dean of the graduate school when applicable) in writing of the allegation and sanction(s).
2. Within ten (10) business days of the instructor's knowledge of the alleged violation of the Academic Integrity Policy, the instructor will inform the student of the allegation, including the proposed sanction(s), in writing. In the written notification, instructors will inform students of their right to request a meeting with the instructor. During the meeting, the instructor shall complete the Academic Integrity Violation Faculty Resolution Form. Students who do not

submit a written request for a meeting with the instructor within five (5) business days of receipt of the written allegation(s), shall be deemed to have mutually resolved the matter and shall be bound to the sanction(s) outlined by the instructor in the written allegation. If the student does not request a meeting, the alleged violation of the Academic Integrity Policy shall not be subject to further review and/or appeal.

3. Within five (5) business days of meeting with the instructor, the student shall either appeal the decision in writing to the department head or mutually resolve the matter by accepting the allegation and proposed sanction(s). No action by the student within five (5) business days of the meeting with the instructor shall constitute a mutual resolution and waiver of the student's rights to appeal pursuant to the Academic Integrity Policy. If the student does not respond within five (5) business days of meeting with the instructor, the alleged violation of the Academic Integrity Policy shall not be subject to further review and/or appeal.
4. Within five (5) business days of receiving a student's written appeal, the department head must schedule a meeting with the student. The instructor may be present during the meeting. During the meeting, the department head shall complete the Academic Integrity Violation Department Head Resolution Form. Only information submitted during the meeting with the student, or in the meeting between the instructor and the student, may be considered by the department head. The evidentiary standard for making a decision shall be a preponderance of the evidence. The department head may agree or disagree with the allegation(s) of the instructor. The department head may also approve, overturn, or modify the sanction(s) proposed by the instructor. If the student does not attend the scheduled meeting with the department head, the matter will be heard in absentia and shall not be subject to further review and/or appeal.
5. Within five (5) business days of meeting with the department head, the student shall either submit a written appeal regarding the decision or mutually resolve the matter by accepting the allegation and proposed sanction(s). The student must submit a written appeal to the academic Dean listed on the Academic Integrity Violation Department Head Resolution Form. No action by the student within five (5) business days of the meeting with the department head shall constitute a mutual resolution and waiver of the student's rights to appeal pursuant to the Academic Integrity Policy. If the student does not respond within five (5) business days of meeting with the department head, the alleged violation of the Academic Integrity Policy shall not be subject to further review and/or appeal.
6. Within seven (7) business days of receiving a student's written appeal, the appropriate academic Dean must schedule an Academic Integrity Board hearing with the student. The Academic Integrity Board shall consist of a minimum of two (2) currently enrolled students and/or faculty members (with a minimum of one faculty member). A faculty member will serve as chair of the board. The instructor may be present during the hearing. Only information submitted during the hearing, or in the meetings between the instructor/department head and the student, may be considered by the hearing board. The evidentiary standard for making a decision shall be a preponderance of the evidence. The hearing board may agree or disagree with the allegation(s) of the instructor. The hearing board may also approve, overturn, or modify the sanction(s) proposed by the instructor and/or department head. If the student does not attend

the scheduled hearing, the matter will be heard in absentia and shall not be subject to further review and/or appeal. Within ten (10) business days of the hearing, the appropriate academic Dean shall review pertinent records and send the student written notification of the decision of the Academic Integrity Board.

7. Within five (5) business days of receiving written notification of the decision of the Academic Integrity Board, the student may accept the findings and sanctions of the board or submit an appeal to the designated academic Dean. No action by the student within five (5) business days of the meeting with the department head shall constitute a mutual resolution and waiver of the student's rights to appeal pursuant to the Academic Integrity Policy. If the student does not respond within five (5) business days of meeting with the Academic Integrity Board, the alleged violation of the Academic Integrity Policy shall not be subject to further review and/or appeal.
8. Students who elect to file an appeal of the decision of the Academic Integrity Board must submit a written appeal within five (5) business days of receiving written notification of the decision of the Academic Integrity Board to the designated academic Dean. An appeal to an academic Dean must be limited to the following grounds: 1) a violation of due process or 2) a material deviation from Substantive and Procedural Standards by the UNC Board of Governors (as set forth in the UNC Manual 700.4.1).
9. If an appeal is heard by an academic Dean, that Dean shall review pertinent records within ten (10) business days of receiving a valid appeal. The academic Dean may agree or disagree with the allegation(s) of the instructor. The academic Dean may also approve, overturn, or modify the sanction(s) proposed by the instructor, department head, and/or Academic Integrity Board. Within five (5) days of making a decision, the academic Dean shall provide the student with a written decision. The decision of the academic Dean shall be final.
10. The student must remain enrolled in the course related to the case and may not be permitted to withdraw from the course related to the case, until all hearing timelines, notifications, and/or appeals have been completed.
11. Upon resolution of each level of the case (no matter the outcome), the instructor, department head, and academic Dean must provide the Associate Vice Chancellor/Dean of Students with all materials and documents related to the case (i.e., course syllabus, materials in violation of the Academic Integrity Policy, Instructor Resolution Form, Department Head Resolution Form, Academic Integrity Board decision letter, academic Dean decision letter, etc...). The Division of Student Affairs shall serve as the repository for all records associated with allegations and violations associated with the Academic Integrity Policy.

4. Academic Integrity Board:

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

5. **Sanctions:**

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

6. **Habitual Violations of the Academic Integrity Policy:**

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

7. **Forms:**

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

Revised - July 1, 2018

Family Educational Rights and Privacy Act

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

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the registrar's office written requests that identify the record(s) they wish to inspect. The Registrar's Office will arrange for access and notify the student of the time and place where the records may be inspected.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students who believe that their education records contain information that is inaccurate or misleading or is otherwise in violation of their privacy or other rights may discuss their problems informally with the university director of Equal Opportunity Programs. If the director is in agreement with the student's requests, the appropriate records will be amended. If not, the student will be notified within a reasonable time that the records will not be amended, and they will be informed by the director of Equal Opportunity Programs of their right to a formal hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an

administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the university has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting other school officials in performing their tasks.

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

Directory Information

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

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

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

Western Carolina University's complete FERPA policy may be obtained from the Registrar's Office.

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 an 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 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 the failure of the 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 the Legal Section, Office of the President, The University of North Carolina, General Administration, Annex Building, 910 Raleigh Road, Chapel Hill, North Carolina (mailing address P.O. Box 2688, Chapel Hill, North Carolina 27515-2688; telephone (919) 962-4588).

Student Health Insurance Requirement

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

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

Academic Honors

The GPA for honors is computed only on work completed at Western Carolina University.

The Dean's List

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

The Chancellor's List

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

Honors at Graduation

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

Office during their final semester to determine their honors graduation eligibility based solely on the work completed to earn the additional degree.

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

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

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

Academic Standing

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

Good Academic Standing

Good Academic Standing and Satisfactory Academic Progress (SAP). All students are expected to earn and maintain a grade-point average (GPA) of at least 2.00 each semester and to successfully complete (earn) at least 67% of their attempted hours. Successful completion of a course means that a student must have an assigned grade other than F, I, IP, U, NC, or W. Students in Good Standing will receive a notification if their semester completion rate falls below 67%.

Academic Warning

Academic Warning for Continuing Students. Continuing students are placed on academic warning if their cumulative Western Carolina University grade point average (GPA) falls below 2.00 or if they fail to complete 67% of their attempted hours in their two most recently completed terms of enrollment or if they fail to complete 67% of their overall WCU attempted hours. Cumulative GPA, semester GPA, and overall completion rate are checked at the end of each semester and students who fail to complete 67% of their attempted hours in their two most recently completed terms of enrollment or fail to complete 67% of their overall WCU attempted hours, *regardless of cumulative GPA*, will be placed on academic warning.

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

- Earn a 67% completion rate on the hours attempted for the semester
- Earn an overall 67% completion rate on all WCU hours attempted
- Raise the cumulative GPA to good standing (2.00).

Or achieve all of the following:

- Earn a 67% completion rate on the hours attempted for the semester

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

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

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

Academic Suspension

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

When students return from suspension, they are placed on academic warning and must have an Academic Action Plan. Failure to meet the terms of the Academic Action Plan will result in Dismissal from the University (see *Academic Dismissal* below).

Academic Suspension and Learning Contract Option for First-Semester Freshmen and New Transfers. First-semester freshmen and new transfers who earn a cumulative GPA within the range of 1.00 to 1.999 at the end of their first semester will be suspended unless they choose to participate in a Learning Contract. Students will receive information about the Learning Contract option with their notice of suspension and must respond by the contract's deadline to continue for a second semester. This option is not available to first-semester freshmen and new transfer students who earn a cumulative GPA below 1.00.

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

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

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

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

Academic Dismissal

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

Appeal Process for Academic Suspension and Academic Dismissal

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

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

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

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

Academic Action Appeal Policy

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

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

1. The final grade or dismissal was impermissibly based in whole or in part upon the student's race, color, religion, national origin, age, sex, disability, sexual orientation, or for some other arbitrary or personal reason unrelated to the instructor's reasonable exercise of professional academic judgment in the evaluation of the academic performance of the student
2. The final grade or program dismissal was assigned in a manner not consistent with the standards and procedures for evaluation established by the instructor, the program, or the university in the Catalog, in the course syllabus, or during the class/program in written or oral communications directed to the class/program as a whole
3. The final grade or program dismissal was the result of a clear and material mistake in calculating or recording grades or other evaluations.

Individual elements (for example, assignments, tests, activities, and projects) which contribute to a final grade are generally *not* subject to an appeal or subsequent review

during a final grade appeals procedure. However, individual elements may be appealed under these procedures providing all the following conditions are met:

1. The student presents compelling evidence that one or more individual elements were graded on arbitrary or impermissible grounds
2. Grounds can be established for determining a professionally sound grade for the appealed element(s)
3. The ensuing grade for each appealed element would have resulted in a different course grade than that assigned by the faculty member.

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

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

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

Academic Action Appeal Procedure Overview

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

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

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

An Appeal to Provost is only allowed for one of the following:

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

Final Grade Appeal Procedures

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

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

(Step 1) Appeal to Instructor:

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

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

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

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

(Step 2) Appeal to Department Head:

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

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

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

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

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

If the associate dean concludes that the facts alleged by the student do not constitute permissible grounds for appeal as set forth in this Academic Action Appeal Policy or

Procedures, the associate dean may, in consultation with the Dean and Graduate Dean if applicable, dismiss the review. The student will not be allowed any further appeal.

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

(Step 4) Academic Action Committee Review:

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

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

Neither the student nor the faculty member may be accompanied or represented in the hearing by legal counsel or another advisor. The CAAC may consider only such evidence as is offered by the parties and at the hearing(s) and need to consider only the evidence offered that it considers fair and reliable. The burden of proof shall be on the student to satisfy the Committee that a preponderance of the evidence supports a conclusion that the grade was awarded arbitrarily or impermissibly as defined. All recommendations of the CAAC shall be made by a simple majority vote.

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

(Step 5) Review by the Dean:

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

(Step 6) Appeal to the Provost:

An appeal to the Provost is only allowed if the student can establish a reasonable basis that the appeal procedures were not followed, discrimination against a protected class

occurred, and/or a student's exercise of rights guaranteed by the First Amendment was violated. Students who feel one of these conditions applies can file a written appeal to the Provost explaining the situation that warrants this level of appeal. The Provost shall provide a written decision to the student within 10 calendar days of receipt of the appeal. No appeal is available beyond the Provost.

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

Program Dismissal Appeal Procedures

The following procedures detail the steps for appealing a dismissal from a program for any reason other than the final assigned grade(s), including failure to adhere to technical standards.

Dismissal from the Graduate School (and therefore dismissal from the program) based on low grades may not be appealed. In this case, the affected student must appeal the final grade(s) resulting in the dismissal from the Graduate School. The student is encouraged to meet/talk with the program director before filing a formal appeal.

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

(Step 1) Appeal to Program Director:

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

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

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

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

(Step 2) Appeal to Department Head:

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

1. A statement of the reason(s) the student believes the dismissal was impermissibly or arbitrarily assigned
2. The steps are taken to resolve the disagreement over the dismissal

3. The resolution sought.
4. Evidence the student believes supports the conclusion that the dismissal was impermissibly or arbitrarily assigned. Evidence might include papers, tests, syllabi, or written documentation.

Within 10 working days of receiving this appeal, the department head will attempt to resolve the appeal. If the department head denies the appeal, the department head will notify the student of the decision and copy the Dean of the Graduate School, and the student has 10 days to appeal to the Associate Dean of the academic college.

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

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

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

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

(Step 4) Academic Action Committee Review:

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

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

Neither the student nor the program director may be accompanied or represented in the hearing by legal counsel or another advisor. The CAAC may consider only such evidence as is offered by the parties and at the hearing(s) and need to consider only the evidence offered that it considers fair and reliable. The burden of proof shall be on the student to satisfy the Committee that a preponderance of the evidence supports a conclusion that the dismissal was awarded arbitrarily or impermissibly as defined. All recommendations of the CAAC shall be made by a simple majority vote.

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

(Step 5) Review by the Dean:

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

(Step 6) Appeal to the Provost:

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

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

Grade Replacement and Course Repeat Policy

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

Exceptions:

1. The First-Year Seminar may not be repeated.
2. Courses available for re-enrollment for additional credit are not counted as repeats unless the student declares a repeat or exceeds the number of times for which credit can be earned in the course.
3. Some academic programs may have policies that further regulate the number of repeats. Students should check with their advisors about additional regulations.

The 16-credit-hour limit of the repeat/grade replacement policy may be appealed by the student in writing to the student's advisor, department head or program director, and Dean.

Note:

- Any courses elected for repeat must be taken and repeated at WCU. Grades earned elsewhere cannot be used to replace grades earned at WCU.

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

Academic Re-Evaluation Policy

To be eligible to elect an academic re-evaluation, a student must have a cumulative GPA below 2.00 and must have made a GPA of 2.30 or better on 12 or more hours of work for each of two successive semesters, one of which may be summer school. At least 18 hours of the work taken in the two semesters must apply to liberal studies requirements or the requirements in the major if these have not been met already. A written request for re-evaluation is required.

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

The student's GPA for retention and graduation will be computed only on work taken during and after the two semesters on which re-evaluation is based. However, the number of hours previously passed with a grade of C (2.00) 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 2.00 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 (2.00) or higher before the two-year rule was applied
3. Earned after the last two-year rule was applied.

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

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

Transfer Credit and Placement Policy

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

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 (e.g., with World Language courses), 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 (2.00) or better may be transferred. Courses with other grading systems that are equivalent to a C or better may also be transferred. Except for consortium agreements, no credit for a course passed with a C- or less at another institution will be allowed toward graduation or toward fulfillment of major requirements. Credit will not be awarded for courses determined to be below the collegiate level at Western Carolina University.

Transfer credit is accepted from institutions accredited by the following: Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), Accrediting Commission for Community and Junior Colleges (ACCJC), Higher Learning Commission (HLC), Middle States Commission on Higher Education (MSCHE), New England Commission of Higher Education (NECHE), Northwest Commission on Colleges and Universities (NWCCU), Western Association of Schools and Colleges (WASC), and the American Council on Education (ACE).

Credit awarded as part of a baccalaureate program from an institution whose accrediting agency is recognized by the U.S. Department of Education as an Institutional Accrediting Agency may be considered for transfer provided the credits are not of a vocational, trade, or technical nature, and are not outside the scope of WCU's mission as a regional comprehensive university.

A Comprehensive Articulation Agreement (CAA) has been developed by the North Carolina Community College (NCCC) system and the University of North Carolina (UNC) General Administration providing for the transferability of a student's first two years of collegiate work to a senior UNC institution. This agreement provides that students who enroll at an NCCC institution fall of 1997 or later are guaranteed that those hours will be applied toward a baccalaureate degree at any UNC institution. In addition, the CAA also guarantees that when students complete the Associate of Arts, Associate of Science, or Associate of Engineering degree, 20-21 hours of pre-major work with a grade of C or better will be transferred and applied toward those students' baccalaureate degree at a UNC institution, provided that they remain within their major.

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

There is no time limit on the coursework accepted for undergraduate transfer credit. However, students who plan to schedule courses with stated prerequisites and who have not attempted work in the field within the past five years should consider auditing the prerequisite courses. If too much time has passed within a particular field of study, courses may only transfer as elective hours rather than as specific courses.

Regularly enrolled students who desire to take any course at another institution on a transient basis for transfer to WCU must secure the appropriate department head's and the registrar's approval before enrollment at another institution. Transient Permission Forms are available on the Registrar's Office website. To secure transient permission, students must be in good standing and eligible to re-enroll at Western Carolina University.

Grades made in transferred courses are not considered in computing the GPA at Western Carolina University, but transferred hours are added to earned hours and will affect the student's overall academic standing. A student may not expect to have the repeat course policy applied based on courses completed at other institutions. Currently enrolled and former students (those not enrolled for one or more of the immediately preceding semesters, excluding summer terms) who attempt courses at other institutions must earn a cumulative 2.00 GPA and submit official transcripts of all work attempted to the Office of Admissions to be eligible to return to Western Carolina University.

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

Generally, transfer students must have earned a minimum GPA of 2.00 (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 a 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 the transfer of undergraduate credit are explained in the section of this catalog on academic regulations.

Advanced Placement and Exam Credit. Credit obtained through Advanced Placement, College-Level Examination Program (CLEP), Cambridge AICE, International Baccalaureate, and DANTES will be evaluated similarly to transfer credit from other institutions. Current exams, score requirements for credit, and credit awarded are listed on the Registrar's Office website, within the Credits Earned Elsewhere section. The subject examinations may also be used to validate credits earned at unaccredited institutions and to earn credit for courses that failed at the university or other institutions.

World Languages Credit by Examination. A student may apply to be examined in any language course offered through the World Languages department. Students making a B- or higher will receive credit for the course passed. Those making a C or C+ will not receive credit but will be eligible for a waiver of a course requirement. With a score of C- or lower, credit may be earned only by regular enrollment during a subsequent semester.

The GPA will not be affected by the grade earned on the examination. All credit-by-examination attempts must be completed before the final semester before graduation.

The examination procedure may be attempted only once per course. The fee for scheduling a course on a credit-by-examination basis is \$15.00. 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.

Experiential Learning Credit for Emergency Medical Care Students. Eligible students accepted to the Emergency Medical Care distance learning program may receive experiential learning credit for specific WCU courses. This includes students with an active US State or National Registry Paramedic credential, accepted credit from institutions with a specific articulation agreement, and/or Special Operations Combat Medic (SOCM) military training.

For more information about the eligibility criteria or credit awarded, contact the Emergency Medical Care program in the School of Health Sciences.

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 ACE Joint Services Transcripts or Community College of the Air Force transcripts sent to the Office of Undergraduate Admissions or to the Graduate School.

In addition, university policy states that students who have served on active duty for at least one continuous year, or the equivalent to a year of non-continuous service for those in the National Guard, are eligible to be granted seven (7) hours of general elective credit. To receive this credit, the student must have received an honorable discharge for their service. Proof of eligibility for this credit will be the student's DD Form 214 (Certificate of Release or Discharge from Active Duty) or a similar official document.

Academic Services

Academic Advising Center

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

Academic Success Centers

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

University Writing Center

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

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

Mathematics Tutoring Center

The Mathematics Tutoring Center provides tutoring in all lower-division mathematics courses and computer science classes, and can assist with mathematical content in courses outside the Mathematics and Computer Science Department. Student peer tutors and graduate assistants are available on a drop-in basis to provide assistance with homework, review concepts, help with math study skills and exam preparation, and answer questions about math courses. Individual, regularly scheduled tutoring appointments can be arranged. The Center offers workshops on strategies for success in the study of mathematics, use of graphing calculators, and has a library of supplementary textbooks for student use. Visit the center web site at <http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/mathcsdept/mathematics-tutoring-center.asp> or call 828-227-2300 for information.

Student Technology Assistance Center

The Student Technology Assistance Center offers assistance to students based on their individual needs. Students needing help with word processing, spread sheets, databases, electronic presentations, campus network tools (such as WIN, MyWCU (student portal), VAX/VMS, etc.), or the Internet (such as web browsers, web page design assistance, newsgroups, e-mail, chat, etc.), can stop by or call for an appointment. Although appointments are not required, they can be beneficial for the student by ensuring one-on-one appointment time. Check the Web site at <http://www.wcu.edu/techassist/> for more information and for dates and times of workshops.

Catamount Academic Tutoring Center

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

The Testing Center

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

Degree & Program Requirements

Programs of Study Information

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

Guide to Majors and Degrees

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

Undergraduate Major	College	Degree
Accounting	BUS	BSBA
Anthropology	A&S	BA
		BS
Art	FPA	BA
		BFA
	E&AP	BSEd
Biology	A&S	BS
Birth-Kindergarten	E&AP	BS
Business Administration and Law	BUS	BSBA
Chemistry	A&S	BS
Communication	A&S	BS
Communication Sciences and Disorders	HHS	BS
Computer Information Systems	BUS	BSBA
Computer Science	A&S	BS
Construction Management	E&T	BS
Criminal Justice	A&S	BS
Economic Analysis	BUS	BS
Electrical and Computer Engineering Technology	E&T	BS

Electrical Engineering	E&T	BSEE
Elementary Education	E&AP	BSEd
Emergency and Disaster Management	A&S	BS
Emergency Medical Care	HHS	BS
Engineering	E&T	BSE
Engineering (Mechanical, Electrical Power, and Manufacturing Concentrations)	E&T	BSE
Engineering Technology	E&T	BS
English	A&S	BA
	E&AP	BSEd
Innovation Leadership and Entrepreneurship	BUS	BSBA
Entrepreneurship	BUS	BS
Environmental Health	HHS	BS
Environmental Sciences	A&S	BS
Finance	BUS	BSBA
Forensic Science	A&S	BS
Geology	A&S	BS
Health and Physical Education	E&AP	BSEd
Health Information Administration	HHS	BS
History	A&S	BA
		BS
Hospitality Tourism Management	BUS	BSBA
Integrated Health Sciences	IHS	BS
Interior Design	FPA	BS
International Studies	A&S	BA
Management	BUS	BSBA
Marketing	BUS	BSBA
Mathematics	A&S	BS
	E&AP	BSEd
Middle Grades Education	E&AP	BSEd

Motion Picture and Television Production	FPA	BFA
Music	FPA	BA
		M
	E&AP	BSEd
Natural Resources Conservation and Management	A&S	BS
Nursing	HHS	BSN
Nutrition and Dietetics	HHS	BS
Parks and Recreation Management	E&AP	BS
Philosophy	A&S	BA
Political Science	A&S	BA
		BS
Psychology	E&AP	BS
Recreational Therapy	HHS	BS
Secondary and Special Subject Teaching	E&AP	BSEd
Science Education	E&AP	BSEd
Social Sciences	E&AP	BSEd
Social Work	HHS	BSW
Sociology	A&S	BA
		BS
Spanish	A&S	BA
Special Education (General)	E&AP	BSEd
Special Studies		BA
		BS
Sport Management	BUS	BSBA
Stage and Screen	FPA	BA
Theatre	FPA	BFA

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 2.00 on all work attempted at Western Carolina University and on all courses in the major. ** Students must have a 2.00 in coursework required to complete a minor and a minimum of 5 credit hours earned through regular enrollment in Western Carolina University courses.
3. A minimum of 25 percent of semester hours applied toward a bachelor's degree must be earned through regular enrollment in Western Carolina University junior-senior level courses, including a minimum of 12 hours in junior-senior courses in the major field.
4. Fifty percent or more of the credits in the major presented for graduation on the junior/senior level unless the degree program is completed by the student is specifically exempted from the requirement.
5. Be enrolled at Western during the intended graduation semester, or complete a Transient Permission Form.
6. To participate in a commencement ceremony, a student must be eligible for degree completion at the conclusion of that semester.

** See **graduate catalog for graduate degree requirements.**

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

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

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

Posthumous Degrees

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

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

Process

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

2. The Provost or his/her designee will review requests from the major programs and determine if the application satisfies the criteria and then authorize the Posthumous Degree if warranted under the terms of this policy.
3. In the case of a student who does not have a major or other circumstances that make it difficult for the program faculty to initiate the process, the Provost may determine that the situation warrants a Certificate of Achievement and issue one independently.
4. The Provost or designee will communicate with the family to determine the optimal way to confer the Posthumous Degree or Certificate of Achievement (in person or by mail).
5. The Provost or designee will submit a form for appropriate signatures.

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

College/Department Degree Requirements

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

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

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

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

Minors. A minor consists of a group of prescribed and elective courses in an academic discipline, two or more closely related disciplines, an interdisciplinary field of study, or a specially designed individual program. It differs from a major principally in requiring fewer courses (16-24 semester hours) and providing less depth. Students must earn a minimum of 5 credit hours through regular enrollment in Western Carolina University courses. Students must have a 2.00 in coursework to complete a minor.

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

Second Academic Concentration. A second academic concentration is an 18 hour course of study in an academic discipline required of education students enrolled in a Bachelor of Science in Education (BSEd) program in elementary education. The concentration areas available are the following: anthropology, art, biology, Cherokee, communication training and development, English, health promotion and wellness, history, mathematics, natural science, philosophy, political science, psychology, social sciences, sociology, Spanish, and theatre.

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

award of a second degree. Students interested in earning a second bachelor's degree must meet the additional requirements stated below for second degrees.

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

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

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

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

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

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

Declaration or Change of Major/Advisor Procedure. A student who decides to declare or change a major must complete the declaration process to be assigned a new advisor in the appropriate department and to change the official records of the university. The student secures the declaration form from the present advisor or department head and completes the procedure by following the instructions on the form. The new program of study should appear on the next transcript issued after the completed form has been submitted to the Office of 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 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 and who are admitted to work toward another bachelor's degree must meet the university's regular graduation requirements. The student must meet the requirements in liberal studies and in the major as specified by the department head and dean. A student

may obtain from the university a second bachelor's degree provided the degree is in a different major (students may not earn a second degree in the same major).

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

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

Special Studies Programs

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

An Approved Program

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

Interdisciplinary Studies Programs

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

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

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

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

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

Study Abroad

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

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

Cooperative Transfer Agreements with Community Colleges

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

Experiential Programs

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

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

1. All courses are bona fide approved: by all required college, university, state, regional, and national regulatory agencies. Courses are also approved to meet all certification and licensing requirements.
2. All courses are an integral part of the student's program; credit will apply toward graduation and/or will be required for a particular degree program.

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

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

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

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

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

ABM Student Eligibility Requirements

1. Undergraduate students must have completed a minimum of 60 credit hours in their undergraduate degree program.
2. Transfer students must have earned a minimum of 24 credit hours at Western Carolina University.
3. Students must have a minimum cumulative WCU grade-point average (GPA) of 3.00 at the time of application to the ABM track and must maintain the 3.00 GPA through the completion of their bachelor's degree.
4. Individual departments may impose stricter eligibility requirements for the ABM track.

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

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

2. Prospective ABM-track students should be given a copy of the program-specific ABM guidelines at that meeting.
3. The student must submit, while still an undergraduate, the standard application for admission to the Graduate School including an application, application fee, and all required admission materials.
4. Upon review of the submitted application materials, the graduate program director, in consultation with the appropriate undergraduate advisor, department head, or school director for the student's program will make a recommendation to the Graduate School to accept or deny a student admission to the master's program, contingent on meeting the ABM eligibility and participation requirements.

Requirements for ABM Participation and Graduation

1. Students must complete their bachelor's degree prior to entering a master's degree program. Consequently, ABM students may not elect to bypass the bachelor's degree.
2. Students must receive a grade of B or higher in the double-counted graduate-level courses. Graduate courses with a grade below a B can count toward the bachelor's degree but cannot be double-counted between the two degrees.
3. No more than 12 credit hours of graduate-level work may be counted towards the requirements of both degrees, and no more than 12 graduate-level credit hours may be taken before the conferral of the bachelor's degree.

Continuing ABM Eligibility

1. Students are responsible for understanding and recognizing eligibility requirements.
2. Students who complete the bachelor's degree requirements with a cumulative GPA of less than 3.00/4.00, must obtain program approval to continue to pursue the master's degree. Individual departments may have higher requirements, and a failure to meet these requirements will make a student ineligible to participate in the ABM track.
3. Students who become ineligible to participate in the ABM track must be informed by the program director of their ABM ineligibility. A copy of this letter to the student must be sent to the Graduate School.
4. A student who is ineligible to participate in or withdraws from the ABM cannot double-count any courses for both the bachelor's and master's degrees.

Withdrawal from the ABM Program

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

After being admitted into graduate school and upon conferral of the student's bachelor's degree with a 3.00 GPA or higher, the student's records will be updated to reflect graduate-level enrollment. At that time, the student will be officially considered to be a graduate student at WCU and may be eligible for fellowships, assistantships, scholarships, and financial assistance available for graduate students.

Liberal Studies 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.

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 Associate of Arts degree, the Associate of Engineering, 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.

College of Arts and Sciences

Office Information:

340 Stillwell Building
(828) 227-7646

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

Dr. David Kinner, Dean

Dr. Carmen Huffman, Associate Dean

Faculty and Staff Directory: <https://www.wcu.edu/learn/departments-schools-colleges/cas/office-of-the-dean.aspx>

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

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

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

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

The activities of the college also include service to the university, region, state, nation, and international community. Faculty members act as advisors for undergraduate and graduate students and support extracurricular activities. Faculty participate in university governance through membership on departmental, college, and university committees. College faculty also share intellectual, cultural, and problem-solving interests with audiences throughout Western North Carolina and beyond.

Program Requirements. College-level program requirements for all bachelor of arts degree programs include WLL 231-232 or 240.

Chemistry (ACS-Certified Concentration with ABM Option), BS

Total number of hours for the program: 120.

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The Chemistry core curriculum requires 47 hours as follows:

- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- CHEM 232 - Quantitative Analysis **Credits: 4**
- CHEM 241 - Organic Chemistry I **Credits: 4**
- CHEM 242 - Organic Chemistry II **Credits: 4**
- CHEM 321 - Inorganic Chemistry **Credits: 3**
- CHEM 352 - Physical Chemistry: Chemical Thermodynamics **Credits: 3**
- CHEM 361 - Principles of Biochemistry **Credits: 3**
- or
- BIOL 361 - Principles of Biochemistry **Credits: 3**
- CHEM 370 - Instrumental Analysis I **Credits: 4**
- CHEM 372 - Chemical Thermodynamics Laboratory **Credits: 1**
- CHEM 495 - Seminar in Chemistry **Credits: 1**
- or
- CHEM 596 - Seminar in Chemistry **Credits: 1**
- MATH 153 - Calculus I **Credits: 4**
- PHYS 230 - General Physics I **Credits: 4**
- PHYS 231 - General Physics II **Credits: 4**

ACS-Certified Chemistry Concentration

The concentration requires 21 hours as follows:

- MATH 255 - Calculus II **Credits: 4**
Choose one of the MATH classes listed below:
- MATH 256 - Calculus III **Credits: 4**
- MATH 270 - Statistical Methods I **Credits: 3**
- MATH 320 - Ordinary Differential Equations **Credits: 3**
- MATH 340 - Introduction to Scientific Computing **Credits: 3**
- CHEM 380 - Research in Chemistry **Credits: 1-3, R12 4 credit hours of CHEM 380 are required.**
- CHEM 435 - Instrumental Analysis II **Credits: 3**
- CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy **Credits: 3**
- CHEM 471 - Inorganic Syntheses **Credits: 1**
- CHEM 472 - Organic Syntheses **Credits: 1**
- CHEM 473 - Quantum Chemistry and Spectroscopy Laboratory **Credits: 1**
- CHEM 475 - Biochemistry Laboratory **Credits: 1**

ACS-Certified Chemistry Concentration with ABM Option

The concentration requires 21 hours as follows:

- MATH 255 - Calculus II **Credits: 4**
Choose one of the MATH classes listed below:
- MATH 256 - Calculus III **Credits: 4**
- MATH 270 - Statistical Methods I **Credits: 3**
- MATH 320 - Ordinary Differential Equations **Credits: 3**
- MATH 340 - Introduction to Scientific Computing **Credits: 3**
- CHEM 380 - Research in Chemistry **Credits: 1-3, R12** 4 credit hours of CHEM 380 are required, although ABM students are strongly encouraged to complete at least 6 hours of research to ensure timely completion of the M.S. degree.
- CHEM 435 - Instrumental Analysis II **Credits: 3**
or
- CHEM 535 - Instrument Analysis II **Credits: 3**
- CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy **Credits: 3**
or
- CHEM 553 - Physical Chemistry: Quantum Chemistry and Spectroscopy **Credits: 3**
- CHEM 471 - Inorganic Syntheses **Credits: 1**
or
- CHEM 571 - Inorganic Syntheses **Credits: 1**
- CHEM 472 - Organic Syntheses **Credits: 1**
or
- CHEM 572 - Organic Syntheses **Credits: 1**
- CHEM 473 - Quantum Chemistry and Spectroscopy Laboratory **Credits: 1**
or
- CHEM 573 - Quantum Chemistry and Spectroscopy Laboratory **Credits: 1**
- CHEM 475 - Biochemistry Laboratory **Credits: 1**
or
- CHEM 575 - Biochemistry Laboratory **Credits: 1**

Electives

General electives (9-19 hours) are required to complete the program depending on the number of hours in the major that also count for Liberal Studies. Students must take at least 30 hours at the junior/senior level at WCU in order to satisfy general university degree requirements. Students may wish to consider the following electives to aid in their development as a professional chemist:

- ENGL 402 - Technical Writing **Credits: 3**
- CS 150 - Problem Solving and Programming I **Credits: 4**
- CS 151 - Problem Solving and Programming II **Credits: 4**
Students enrolled in the ABM option should consider taking an additional 3-credit 500-level chemistry course for an elective to satisfy requirements of the M.S. degree.

ABM Option

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

ABM Student Eligibility Requirements

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

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

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

Requirements for ABM Participation and Graduation

1. Students must complete their bachelor's degree prior to entering a master's degree program. Consequently, ABM students may not elect to bypass the bachelor's degree.
2. Students must receive a grade of B or higher in the double-counted graduate-level courses. Graduate courses with a grade below a B can count toward the bachelor's degree but cannot be double-counted between the two degrees.
3. No more than 12 credit hours of graduate-level work may be counted towards the requirements of both degrees, and no more than 12 graduate-level credit hours may be taken before the conferral of the bachelor's degree.

Continuing ABM Eligibility

1. It is the responsibility of the student to recognize their eligibility requirements.
2. If a student completes the bachelor's degree requirements with a cumulative GPA of less than 3.000/4.000, then they need program approval to continue to pursue the master's degree.
3. If a student becomes ineligible to participate in the ABM track, the graduate program director must inform the student in writing of their ABM ineligibility. A copy of this letter to the student must be sent to the Graduate School.
4. A student who is ineligible to participate in or withdraws from the ABM cannot double-count any courses for both the bachelor's and master's degrees.

Withdrawal from the ABM Program

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

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

Additional Information

Visit the department's website at <https://chemistry.wcu.edu/> to view the 8-semester curriculum guide.

Emergency and Disaster Management, BS

Total number of hours for the program: 120.

The Bachelor of Science in Emergency and Disaster Management is offered either as residential or through distance education. Residential students may not enroll in online courses except during the summer sessions.

General admission requirements for undergraduate students can be found on the WCU Admission Requirements page. Be sure to apply for the appropriate degree delivery method of online or residential.

Those seeking admission to study through the online mode must have completed an AA, AS, or AAS degree from a community college or have substantial progress toward "44 General Core" courses that satisfy the General Education/Liberal Studies requirement for North Carolina Community College System.

Coursework taken in Fire Science, Emergency Medical, and Emergency Preparedness programs at North Carolina community colleges may transfer into the major (a maximum of 18 elective credit hours). Fifty percent of earned degree hours and fifty percent of all courses in the major must be at the 300/400 level. Twenty-five percent of the degree program must be taken at the 300 or above level through WCU in order to be awarded a degree from WCU.

Training certification courses do not transfer in lieu of university academic credit. Note that transfer students may exceed the minimal 120-hour requirement in order to obtain this degree due to the transfer of credits from other institutions.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 48 hours as follows:

Major Core Requirement (9 hours):

- EDM 250 - Introduction to Emergency and Disaster Management **Credits: 3**
- EDM 260 - Research Methods in Emergency and Disaster Management **Credits: 3**
- EDM 495 - Senior Seminar in Emergency and Disaster Management **Credits: 3**

Major Electives (39 hours)

Students must take the following:

Area One: Conceptual/Technical (9 hours)

Area Two: Social/Political (9 hours)

Area Three: Experiential/Interdisciplinary (6 hours)

Area Four: Free Choice Among EDM Electives (15 hours)

Area 1: Conceptual/Technical (9 hours)

Take three of the following:

- 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 341 - Debris/Waste Management and Emergency and Disaster Management **Credits: 3**
- EDM 343 - Fire Services and Emergency and Disaster Management **Credits: 3**
- EDM 345 - Weather and Disaster **Credits: 3**
- EDM 350 - Cyber Terrorism **Credits: 3**
- EDM 351 - Resource Management **Credits: 3**
- EDM 360 - Asset Protection & Critical Infrastructure **Credits: 3**
- EDM 375 - Biothreat and Emergency and Disaster Management **Credits: 3**
- EDM 400 - Missing Persons and Search and Rescue **Credits: 3**
- EDM 405 - GIS and Emergency Mapping **Credits: 3**
- EDM 406 - Incident Management Systems **Credits: 3**
- EDM 410 - Unmanned Aircraft Systems and Emergency and Disaster Management **Credits: 3**
- EDM 435 - Homeland Security **Credits: 3**
- EDM 448 - Emergency Exercise Design and Evaluation **Credits: 3**
- EDM 457 - Terrorism **Credits: 3**

Area 2: Social/Political (9 hours)

Take three of the following:

- EDM 322 - Social Dimensions of a Disaster **Credits: 3**
- EDM 340 - Political and Policy Basis of Emergency and Disaster Management **Credits: 3**
- EDM 348 - Recovering from Disaster **Credits: 3**
- EDM 349 - Humanitarian Response and Disaster Relief **Credits: 3**
- EDM 352 - Disaster and Crime **Credits: 3**
- EDM 355 - Stress, Personal Welfare and Emergency and Disaster Management **Credits: 3**
- EDM 356 - International Disaster and Catastrophe **Credits: 3**
- EDM 358 - Vulnerable Populations and Emergency and Disaster Management **Credits: 3**
- EDM 365 - Riots, Civil Unrest and Crowd Control **Credits: 3**
- EDM 370 - Communication, Media and Emergency and Disaster Management **Credits: 3**
- EDM 452 - Legal Issues in Emergency and Disaster Management **Credits: 3**
- EDM 453 - Agriculture, Farm and Disaster **Credits: 3**
- EDM 460 - Case Studies in Emergency and Disaster Management **Credits: 3**

Area 3: Experiential/Interdisciplinary (6 hours)

Take two of the following:

- EDM 483 - Internship in Emergency and Disaster Management **Credits: 3-12, R12**
- EDM 480 - Independent Study in Emergency and Disaster Management **Credits: 1-3, R6**
- EDM 320 - Statistical Analysis in Emergency and Disaster Management **Credits: 3**
- EDM 458 - Grant Writing in Emergency and Disaster Management **Credits: 3**
- CJ 150 - Introduction to Criminal Justice & Criminology **Credits: 3**
- CJ 204 - Criminal Law **Credits: 3**
- CJ 370 - Ethics in Criminal Justice **Credits: 3**
- ANTH 300 - Human Osteology **Credits: 3**
- COMM 400 - Crisis Communications **Credits: 3**
- EMC 445 - EMC Systems Management **Credits: 3**
- PSC 322 - Public Administration **Credits: 3**
- PSC 327 - State and Local Government **Credits: 3**

Area 4: Free Choice Among EDM Electives (15 hours)

Take five of the following:

Choose EDM courses not otherwise being used to satisfy requirements from areas 1, 2, and 3 (internships, research studies, EDM 493, and all other EDM courses qualify).

Up to 15 hours of transfer credit can be applied to this category as EDM 19x or EDM 39x credit.

General Electives (30 hours)

General Electives (30 hours) are required to complete the program. These electives can be made up of emergency management courses that are not being used to satisfy the Major Elective (Specialty Area) requirements.

This requirement may be satisfied by choosing an interdisciplinary minor, or double major (e.g., Criminal Justice).

Political Science, BA

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Major Requirements

The major requires 36 hours as follows:

Core Courses: (15 hours)

Students must earn a "C" or better in each core course

- PSC 101 - American Government and Politics **Credits: 3**
 - PSC 230 - Political Analysis I **Credits: 3**
 - PSC 240 - Political Theory **Credits: 3**
 - PSC 499 - Senior Capstone **Credits: 3**
- In addition, students should choose one of the following options:*
- PSC 169 - Global Issues **Credits: 3**
- or**
- INST 200 - Introduction to International Studies **Credits: 3**
plus three additional hours chosen from any PSC elective (six hours total)

American Politics (3 hours)

Students should choose one of the following:

- PSC 301 - Congress **Credits: 3**
- PSC 308 - American Presidency **Credits: 3**
- PSC 312 - Judicial Process **Credits: 3**
- PSC 313 - Constitutional Law: Structure and Powers **Credits: 3**
- PSC 314 - Southern Politics **Credits: 3**
- PSC 315 - Political Parties, Campaigns and Elections **Credits: 3**
- PSC 316 - Gender and Politics **Credits: 3**
- PSC 318 - Political Communication **Credits: 3**
- PSC 322 - Public Administration **Credits: 3**
- PSC 323 - The Nonprofit Sector **Credits: 3**
- PSC 324 - Political and Organizational Leadership **Credits: 3**
- PSC 325 - Public Policy **Credits: 3**
- PSC 326 - Natural Resources Policy and Administration **Credits: 3**
- PSC 327 - State and Local Government **Credits: 3**
- PSC 328 - U.S. Social Policy **Credits: 3**
- PSC 494 - Special Topics in American Politics **Credits: 3, R6**

Comparative Politics/International Relations (3 hours)

Students should choose one of the following:

- PSC 352 - International Security **Credits: 3**
- PSC 353 - International Political Economy **Credits: 3**
- PSC 354 - International Environmental Politics **Credits: 3**
- PSC 357 - Political Violence **Credits: 3**
- PSC 358 - United States Foreign Policy **Credits: 3**
- PSC 359 - International Law **Credits: 3**
- PSC 361 - On War **Credits: 3**
- PSC 370 - Politics of Ethnic Conflict **Credits: 3**
- PSC 375 - European Politics **Credits: 3**
- PSC 376 - African Politics **Credits: 3**
- PSC 377 - Middle East Politics **Credits: 3**
- PSC 378 - Asian Politics **Credits: 3**
- PSC 379 - Latin American Politics **Credits: 3**
- PSC 380 - Politics of Developing Areas **Credits: 3**
- PSC 451 - Model United Nations **Credits: 3, R6**
- PSC 452 - Model United Nations II **Credits: 3**
- PSC 493 - Special Topics in World Politics **Credits: 3, R6**

Electives (6 hours)

Any PSC course at the 200 level or above

Engaged Experience (3 hours)

- PSC 451 - Model United Nations **Credits: 3, R6**
- PSC 452 - Model United Nations II **Credits: 3**
- PSC 455 - Civic Engagement **Credits: 3**
- PSC 483 - Internship in Political Science **Credits: 3**
- PSC 484 - Internship in Political Science **Credits: 3**

Foreign Language Requirement (6 hours)

- MFL 231 and 232, or 240 Credits: 6

Additional Requirements

Students must maintain a minimum 2.00 GPA in the major, and no grade below a C (2.00) for any core course in the major will be accepted. No more than six hours can be applied to cooperative education or internship.

In addition to the requirements for the major and Liberal Studies, 42 additional hours are required, including a minor, second major, or other approved program. At least 30 hours taken at WCU must be at the junior/senior level to meet one of the general university requirements.

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

Political Science, BS

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 36 hours as follows:

Core Courses: 15 hours

(must earn "C" or better in each core course)

- PSC 101 - American Government and Politics **Credits: 3**
 - PSC 230 - Political Analysis I **Credits: 3**
 - PSC 240 - Political Theory **Credits: 3**
 - PSC 499 - Senior Capstone **Credits: 3**
 - and
 - PSC 169 - Global Issues **Credits: 3**
 - or
 - INST 200 - Introduction to International Studies **Credits: 3**
- When taking INST 200 instead of PSC 169, students should take three additional hours of any PSC elective.*

American Politics (3 hours)

Select one course from the following list:

- PSC 301 - Congress **Credits: 3**
- PSC 308 - American Presidency **Credits: 3**
- PSC 312 - Judicial Process **Credits: 3**
- PSC 313 - Constitutional Law: Structure and Powers **Credits: 3**
- PSC 314 - Southern Politics **Credits: 3**
- PSC 315 - Political Parties, Campaigns and Elections **Credits: 3**

- PSC 316 - Gender and Politics **Credits: 3**
- PSC 318 - Political Communication **Credits: 3**
- PSC 322 - Public Administration **Credits: 3**
- PSC 323 - The Nonprofit Sector **Credits: 3**
- PSC 324 - Political and Organizational Leadership **Credits: 3**
- PSC 325 - Public Policy **Credits: 3**
- PSC 326 - Natural Resources Policy and Administration **Credits: 3**
- PSC 327 - State and Local Government **Credits: 3**
- PSC 328 - U.S. Social Policy **Credits: 3**
- PSC 494 - Special Topics in American Politics **Credits: 3, R6**

Comparative Politics/International Relations (3 hours)

Select one course from the following list:

- PSC 352 - International Security **Credits: 3**
- PSC 353 - International Political Economy **Credits: 3**
- PSC 354 - International Environmental Politics **Credits: 3**
- PSC 357 - Political Violence **Credits: 3**
- PSC 358 - United States Foreign Policy **Credits: 3**
- PSC 359 - International Law **Credits: 3**
- PSC 361 - On War **Credits: 3**
- PSC 370 - Politics of Ethnic Conflict **Credits: 3**
- PSC 375 - European Politics **Credits: 3**
- PSC 376 - African Politics **Credits: 3**
- PSC 377 - Middle East Politics **Credits: 3**
- PSC 378 - Asian Politics **Credits: 3**
- PSC 379 - Latin American Politics **Credits: 3**
- PSC 380 - Politics of Developing Areas **Credits: 3**
- PSC 451 - Model United Nations **Credits: 3, R6**
- PSC 452 - Model United Nations II **Credits: 3**
- PSC 493 - Special Topics in World Politics **Credits: 3, R6**

Research Requirement (3 hours)

- PSC 231 - Political Analysis II **Credits: 3**

Electives (9 hours)

Anything with a PSC prefix counts for this requirement.

Engaged Experience (3 hours)

Select one course from the following list:

- PSC 451 - Model United Nations **Credits: 3, R6**
- PSC 452 - Model United Nations II **Credits: 3**
- PSC 455 - Civic Engagement **Credits: 3**
- PSC 483 - Internship in Political Science **Credits: 3**
- PSC 484 - Internship in Political Science **Credits: 3**

Additional Requirements

Students must maintain a minimum 2.00 GPA in the major, and no grade below a C (2.00) for any core course in the major will be accepted. No more than six hours can be applied to cooperative education or internship.

In addition to the requirements for the major and Liberal Studies, 42 additional hours are required, including a minor, second major, or other approved program. To meet one of the general university requirements, at least 30 hours taken at WCU must be at the junior/senior level.

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

Spanish, BA

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 33 hours as follows:

Intermediate coursework: 6 hrs

- SPAN 231 - Intermediate Spanish I **Credits: 3**
- SPAN 232 - Intermediate Spanish II **Credits: 3**
- *Or*
- SPAN 240 - Accelerated Intermediate Spanish **Credits: 6**

Required upper-level courses or "Core" courses: 15 hours

- SPAN 301 - Spanish Conversation and Composition I **Credits: 3**
- SPAN 302 - Spanish Conversation and Composition II **Credits: 3**
- SPAN 321 - Hispanic Cultures I **Credits: 3**
- SPAN 322 - Hispanic Cultures II **Credits: 3**
- SPAN 452 - Advanced Oral Communication **Credits: 3**

Elective upper-level courses: (12 hours)

Students should choose 12 credit hours from the following:

- SPAN 310 - Introduction to Hispanic Literature **Credits: 3**
- SPAN 394 - Immersion Experience **Credits: 3-6, R12**
- SPAN 401 - Contrastive Features of Spanish and English **Credits: 3**
- SPAN 431 - Studies in Spanish Peninsular Literature **Credits: 3, R6**
- SPAN 432 - North American and Caribbean Literature **Credits: 3, R6**
- SPAN 434 - South American Hispanic Literature **Credits: 3**
- SPAN 461 - Spanish Phonology and Phonetics **Credits: 3**
- SPAN 462 - Spanish Syntax and Morphology **Credits: 3**
- SPAN 471 - The Art of Translation **Credits: 3**
- SPAN 481 - Independent Studies in Spanish **Credits: 1-3, R6**
- SPAN 493 - Special Topics in Spanish **Credits: 3, R9**

Program Requirements

Students must maintain a minimum of 2.75 GPA in the major, and no grade below a C (2.00) for any course in the major will be accepted. Graduating seniors must take a proficiency test (the AAPPL, or American Council on the Teaching of Foreign Languages Assessment of Performance toward Proficiency in Languages). The World Languages Department will make test arrangements for students. This requirement will appear on the degree audit. Students are encouraged to participate in a study abroad program or similar immersion experience in Spanish.

Additional Requirements

In addition to the coursework listed here, students are required to complete a second major, minor, or other approved program. To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

History (Concentration with ABM Option), BS

Total number of hours for the program: 120.

This program is designed to prepare students for entry-level positions related to public history. Students accepted into the ABM program will complete one year of graduate work as a senior. Students will then complete the work for an MA in History the

following year. Students who complete the program will finish with a BS in History, an MA in History, and a Public History Certificate.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

Survey Courses (9 hours)

Students will take three hours from each of the following areas: U.S. History, European History, and ALAMEA (African, Latin American, Middle Eastern, and Asian history).

European History (three hours chosen from the following):

- HIST 220 - Ancient Empires: 3000 BCE-300 CE **Credits: 3**
- HIST 221 - The Birth of Europe: 312-1517 **Credits: 3**
- HIST 222 - European History Since 1517 **Credits: 3**
- HIST 281 - Transformations in European Religious History **Credits: 3**

ALAMEA (three hours chosen from the following):

- HIST 210 - African History to 1880 **Credits: 3**
- HIST 211 - African History Since 1880 **Credits: 3**
- HIST 212 - Latin American History I **Credits: 3**
- HIST 213 - Latin American History II **Credits: 3**
- HIST 218 - Modern Asia **Credits: 3**

US History (three hours chosen from the following):

- HIST 233 - U.S. Legal History **Credits: 3**
- HIST 234 - Immigration and Ethnicity in U.S. History **Credits: 3**
- HIST 235 - The History of American Sports **Credits: 3**
- HIST 236 - Native American Lives **Credits: 3**
- HIST 237 - African American History **Credits: 3**
- HIST 238 - History of American Pop Culture: Music, Movies, & Media **Credits: 3**
- HIST 250 - Urban History: Cities and Suburbs in the United States **Credits: 3**
- HIST 271 - Religion in America **Credits: 3**

Math Requirement

- MATH 170 - Applied Statistics **Credits: 3**

Methods Credits (6 hours)

Students will take six hours of methods courses:

- HIST 297 - Sophomore Seminar **Credits: 3**
*Three hours from one of the following Advanced Methods/Capstone Course
or
400-Level Capstone Designated Seminar Course (three hours)*
- HIST 483 - Public/Applied History Capstone Internship **Credits: 3**

Upper Division Electives (18 hours)

Six courses (18 hours) of 300/400 level electives to include three hours in United States History, three hours in European History, and three hours in ALAMEA (African, Latin American, Middle Eastern, and Asia). Students must have three hours of 400-level electives (in addition to the three hours of methods/capstone listed in the methods credit section above).

Additional Requirements

To complete the program, a total of 39 hours is required, including a minor, or a second major, or another approved program and general electives. To meet of the general university degree requirements, at least 30 hours of the courses taken at WCU must be at the junior-senior level. Students should consult their advisors during the term before their senior year to create a plan for their Capstone Course. Visit the department's website at <https://www.wcu.edu/learn/departments-schools->

colleges/cas/humanities/history/histug/index.aspx to view the eight-semester curriculum guide.

ABM Option

Students should apply for the ABM Option in the second semester of their Junior year.

GPA Requirements:

- Must have a 3.00 GPA overall and a 3.00 GPA in the History major to be eligible for the program. Must also pass *HIST 350: Introduction to Public History* in their Junior year with at least a B.

Students are required to take HIST 483 to meet their Upper Division Elective requirement or their Capstone requirement.

Students must also take 12 hours selected from the following (These hours will count both towards the ABM and the Upper Division Electives requirement):

- HIST 568
- HIST 569
- HIST 570
- HIST 571
- HIST 572
- HIST 573
- HIST 574
- HIST 575
- HIST 576

History (Concentration with ABM Option), BA

Total number of hours for the program: 120.

This program is designed to prepare students for entry-level positions related to public history. Students accepted into the ABM program will complete one year of graduate work as a senior. Students will then complete the work for an MA in History the following year. Students who complete the program will finish with a BA in History, an MA in History, and a Public History Certificate.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

Survey Courses (9 hours)

Students will take three hours from each of the following areas: U.S. History, European History, and ALAMEA (African, Latin American, Middle Eastern, and Asian history).

European History (three hours chosen from the following):

- HIST 220 - Ancient Empires: 3000 BCE-300 CE **Credits: 3**
- HIST 221 - The Birth of Europe: 312-1517 **Credits: 3**
- HIST 222 - European History Since 1517 **Credits: 3**
- HIST 281 - Transformations in European Religious History **Credits: 3**

ALAMEA (three hours chosen from the following):

- HIST 210 - African History to 1880 **Credits: 3**
- HIST 211 - African History Since 1880 **Credits: 3**
- HIST 212 - Latin American History I **Credits: 3**
- HIST 213 - Latin American History II **Credits: 3**
- HIST 218 - Modern Asia **Credits: 3**

US History (three hours chosen from the following):

- HIST 233 - U.S. Legal History **Credits: 3**
- HIST 234 - Immigration and Ethnicity in U.S. History **Credits: 3**
- HIST 235 - The History of American Sports **Credits: 3**

- HIST 236 - Native American Lives **Credits: 3**
- HIST 237 - African American History **Credits: 3**
- HIST 238 - History of American Pop Culture: Music, Movies, and Media **Credits: 3**
- HIST 250 - Urban History: Cities and Suburbs in the United States **Credits: 3**
- HIST 271 - Religion in America **Credits: 3**

World Languages Requirement (6 hours)

Students will take six hours of world languages

- CHER 231 - Intermediate Cherokee I **Credits: 3**
- CHER 232 - Intermediate Cherokee II **Credits: 3**
- CHIN 231 - Intermediate Modern Chinese I **Credits: 3**
- CHIN 232 - Intermediate Modern Chinese II **Credits: 3**
- FREN 231 - Intermediate French I **Credits: 3**
- FREN 232 - Intermediate French II **Credits: 3**
- GER 231 - Intermediate German I **Credits: 3**
- GER 232 - Intermediate German II **Credits: 3**
- GER 240 - Accelerated Second-Year German **Credits: 6**
- JPN 231 - Intermediate Japanese I **Credits: 3**
- JPN 232 - Intermediate Japanese II **Credits: 3**
- SPAN 231 - Intermediate Spanish I **Credits: 3**
- SPAN 232 - Intermediate Spanish II **Credits: 3**
- SPAN 240 - Accelerated Intermediate Spanish **Credits: 6**

Methods Credits (6 hours)

Students will take six hours of methods courses:

- HIST 297 - Sophomore Seminar **Credits: 3**
Three hours from one of the following Advanced Methods/Capstone Course or
400-Level Capstone Designated Seminar Course (three hours)
- HIST 483 - Public/Applied History Capstone Internship **Credits: 3**

Upper Division Electives (18 hours)

Six courses (18 hours) of 300/400 level electives to include three hours in United States History, three hours in European History, and three hours in ALAMEA (African, Latin American, Middle Eastern, and Asia) History. Students must have three hours of 400-level electives (in addition to the three hours of methods/capstone listed in the methods credit section above).

Additional Requirements

To complete the program, a total of 39 hours is required, including a minor, or a second major, or another approved program and general electives. To meet of the general university degree requirements, at least 30 hours of the courses taken at WCU must be at the junior-senior level. Students should consult their advisors during the term before their senior year to create a plan for their Capstone Course. Visit the department's website at <https://www.wcu.edu/learn/departments-schools-colleges/cas/humanities/history/histug/index.aspx> to view the eight-semester curriculum guide.

ABM Option

Students should apply for the ABM Option in the second semester of their Junior year.

GPA Requirements:

- Must have a 3.00 GPA overall and a 3.00 GPA in the History major to be eligible for the program. Must also pass *HIST 350: Introduction to Public History* in their Junior year with at least a B.

Students are required to take HIST 483 to meet their Upper Division Elective requirement or their Capstone requirement.

Students must also take 12 hours selected from the following (These hours count both towards the ABM and towards the Upper Division Electives requirement):

- HIST 568
- HIST 569
- HIST 570
- HIST 571
- HIST 572
- HIST 573
- HIST 574
- HIST 575
- HIST 576

Biology, Minor

Total number of hours for the program: 23.

Minor Requirements

The minor requires 23 hours, including the following:

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

Electives

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

Communication, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours:

- COMM 240 - Writing for Communication **Credits: 3**
- COMM 350 - Communication Theory and Criticism **Credits: 3**
- AND 12 additional hours of COMM courses, with the exception of COMM 190, COMM 201, COMM 296, and COMM 496.

Computer Science, Minor

Total number of hours for the program: 17.

Minor Requirements

The minor requires 17 hours, including:

- CS 150 - Problem Solving and Programming I **Credits: 4**
- CS 151 - Problem Solving and Programming II **Credits: 4**
- CS 253 - Software Development **Credits: 3**

Additional Requirements

Six hours of other courses selected from Computer Science courses numbered 250 or above (excluding CS 353) or from the courses listed below.

- MATH 441 - Introduction to Numerical Analysis **Credits: 3**

Emergency and Disaster Management, Minor

Total number of hours for the program: 18.

Core Requirement (3 hours)

- EDM 250 - Introduction to Emergency & Disaster Management **Credits: 3**

Minor Electives (15 hours) chosen from the following:

- EDM 260 - Research Methods in Emergency & Disaster Management **Credits: 3**
- EDM 320 - Statistical Analysis in Emergency & Disaster Management **Credits: 3**
- EDM 322 - Social Dimensions of a Disaster **Credits: 3**
- EDM 324 - Emergency Planning **Credits: 3**
- EDM 326 - Risk Assessment & Vulnerability Analysis **Credits: 3**
- EDM 332 - Disaster Response Operations & Management **Credits: 3**
- EDM 335 - Principles of Hazard Mitigation **Credits: 3**
- EDM 340 - Political & Policy Basis of Emergency & Disaster Management **Credits: 3**
- EDM 341 - Debris/Waste Management & Emergency & Disaster Management **Credits: 3**
- EDM 343 - Fire Services & Emergency & Disaster Management **Credits: 3**
- EDM 345 - Weather & Disaster **Credits: 3**
- EDM 348 - Recovering from Disaster **Credits: 3**
- EDM 349 - Humanitarian Response & Disaster Relief **Credits: 3**
- EDM 350 - Cyber Terrorism **Credits: 3**
- EDM 351 - Resource Management **Credits: 3**
- EDM 352 - Disaster & Crime **Credits: 3**
- EDM 355 - Stress, Personal Welfare & Emergency & Disaster Management **Credits: 3**
- EDM 356 - International Disaster & Catastrophe **Credits: 3**
- EDM 358 - Vulnerable Populations & Emergency & Disaster Management **Credits: 3**
- EDM 360 - Asset Protection & Critical Infrastructure **Credits: 3**
- EDM 365 - Riots, Civil Unrest & Crowd Control **Credits: 3**
- EDM 370 - Communication, Media & Emergency & Disaster Management **Credits: 3**
- EDM 375 - Biothreat & Emergency & Disaster Management **Credits: 3**
- EDM 400 - Missing Persons & Search & Rescue **Credits: 3**
- EDM 405 - GIS & Emergency Mapping **Credits: 3**
- EDM 406 - Incident Management Systems **Credits: 3**
- EDM 410 - Unmanned Aircraft Systems & Emergency & Disaster Management **Credits: 3**
- EDM 435 - Home & Security **Credits: 3**
- EDM 448 - Emergency Exercise Design & Evaluation **Credits: 3**
- EDM 452 - Legal Issues in Emergency & Disaster Management **Credits: 3**
- EDM 453 - Agriculture, Farm & Disaster **Credits: 3**
- EDM 457 - Terrorism **Credits: 3**
- EDM 458 - Grant Writing in Emergency & Disaster Management **Credits: 3**
- EDM 460 - Case Studies in Emergency & Disaster Management **Credits: 3**
- EDM 480 - Independent Study in Emergency & Disaster Management **Credits: 1-3, R6**
- EDM 483 - Internship in Emergency & Disaster Management **Credits: 3-12, R12**
- EDM 493 - Topics in Emergency & Disaster Management **Credits: 1-3, R12**
- EDM 495 - Senior Seminar in Emergency & Disaster Management **Credits: 3**

Geography, Minor

Total number of hours for the program: 18.

The geography minor consists of 18 hours of courses carrying the GEOG prefix, including human geography, physical geography, and geospatial techniques courses. Geography is a broad and integrative field and makes a valuable complement to almost any major.

Minor Requirements

The minor requires 18 hours with the GEOG prefix.

Electives

GEOG courses may be drawn from offerings in human geography, physical geography, and geospatial techniques, in any combination.

German, Minor

Total number of hours for the program: 21.

The German minor prepares students for written and oral communication in the German language and with the appropriate cultural knowledge, in both the private and public sectors. It also prepares students for graduate work in the humanities, which often requires reading knowledge of at least one foreign language.

Overview

The German Minor consists of 21 credit hours.

Minor Requirements (12 hours)

- GER 101 - Beginning German I **Credits: 3**
- GER 102 - Beginning German II **Credits: 3**
- 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:

Three courses (9 hours) at the 300/400 level.

History, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours of history courses, including six hours of 200-level courses and 12 hours at the 300/400 level.

Journalism, Minor

Total number of hours for the program: 21.

Journalism minor students must have a B or higher in ENGL 101 or the AP equivalent and COMM 240. All other classes required for the minor must be passed with a C or higher to be counted.

Minor Requirements (21 hours)

- COMM 240 - Writing for Communication **Credits: 3**
 - COMM 330 - News Reporting I **Credits: 3**
 - COMM 430 - News Reporting II **Credits: 3**
 - CS 130 - Introduction to Computing **Credits: 3**
 - LAW 406 - Media Law **Credits: 3**
 - PSC 169 - Global Issues **Credits: 3**
- Choose one elective class from the Journalism, PR or Broadcast concentration.*

Natural Resources Management, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including all of the following:

- NRM 210 - Methods in Natural Resources Management **Credits: 3**
- NRM 213 - GIS for Natural Resource Management **Credits: 3**

12 hours selected from the following:

- GEOG 324 - Introduction to Remote Sensing **Credits: 4**
- NRM 240 - Natural Resource Measurements **Credits: 3**
- NRM 255 - Dendrology **Credits: 3**
- NRM 320 - Soil Conservation **Credits: 3**
- NRM 330 - Introduction to Fish and Wildlife Ecology and Management **Credits: 3**
- NRM 344 - Applied Geographic Information Systems **Credits: 4**
- NRM 351 - Forest Ecology **Credits: 3**
- NRM 451 - Foundations of Silviculture **Credits: 4**
- NRM 460 - Watershed Management **Credits: 3**
- NRM 483 - Applications in Forest Resource Management **Credits: 3, R6**
- NRM 493 - Topics in NRM **Credits: 1-4, R12**

Political Science, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours in political science, including:

Required Courses (6 Hours)

- PSC 101 - American Government and Politics **Credits: 3**
and
- PSC 169 - Global Issues **Credits: 3**
or
- INST 200 - Introduction to International Studies **Credits: 3**
When taking INST 200 instead of PSC 168, students should take three additional hours of any PSC elective.

PSC Electives (12 hours)

Students should take 12 hours (four classes) from the following list:

- PSC 230 - Political Analysis I **Credits: 3**
- PSC 231 - Political Analysis II **Credits: 3**
- PSC 240 - Political Theory **Credits: 3**
- PSC 301 - Congress **Credits: 3**
- PSC 308 - American Presidency **Credits: 3**
- PSC 312 - Judicial Process **Credits: 3**
- PSC 313 - Constitutional Law: Structure and Powers **Credits: 3**
- PSC 314 - Southern Politics **Credits: 3**
- PSC 315 - Political Parties, Campaigns and Elections **Credits: 3**
- PSC 316 - Gender and Politics **Credits: 3**
- PSC 318 - Political Communication **Credits: 3**
- PSC 322 - Public Administration **Credits: 3**
- PSC 323 - The Nonprofit Sector **Credits: 3**
- PSC 324 - Political and Organizational Leadership **Credits: 3**
- PSC 325 - Public Policy **Credits: 3**
- PSC 326 - Natural Resources Policy and Administration **Credits: 3**
- PSC 327 - State and Local Government **Credits: 3**
- PSC 328 - U.S. Social Policy **Credits: 3**
- PSC 352 - International Security **Credits: 3**
- PSC 353 - International Political Economy **Credits: 3**
- PSC 354 - International Environmental Politics **Credits: 3**
- PSC 357 - Political Violence **Credits: 3**
- PSC 358 - United States Foreign Policy **Credits: 3**
- PSC 359 - International Law **Credits: 3**

- PSC 361 - On War **Credits: 3**
- PSC 370 - Politics of Ethnic Conflict **Credits: 3**
- PSC 375 - European Politics **Credits: 3**
- PSC 376 - African Politics **Credits: 3**
- PSC 377 - Middle East Politics **Credits: 3**
- PSC 378 - Asian Politics **Credits: 3**
- PSC 379 - Latin American Politics **Credits: 3**
- PSC 380 - Politics of Developing Areas **Credits: 3**
- PSC 406 - Teaching Civics and Economics **Credits: 1**
- PSC 451 - Model United Nations **Credits: 3, R6**
- PSC 452 - Model United Nations II **Credits: 3**
- PSC 455 - Civic Engagement **Credits: 3**
- PSC 480 - Readings in Political Science **Credits: 3, R6**
- PSC 483 - Internship in Political Science **Credits: 3**
- PSC 484 - Internship in Political Science **Credits: 3**
- PSC 493 - Special Topics in World Politics **Credits: 3, R6**
- PSC 494 - Special Topics in American Politics **Credits: 3, R6**
- PSC 499 - Senior Capstone **Credits: 3**

Spanish, Minor

Total number of hours for the program: 21.

Major Requirements (6 hours)

- SPAN 231 - Intermediate Spanish I **Credits: 3**
- SPAN 232 - Intermediate Spanish II **Credits: 3**
- or*
- SPAN 240 - Accelerated Intermediate Spanish **Credits: 6**

Guided Elective:

Students should take 15 hours (five courses) of Spanish courses at the 300/400 level.

Global Black Studies, Minor

Total number of hours for the program: 21.

The Global Black Studies Program is a systematic way of studying Black people in the world - such as their history, culture, sociology, art, politics, education, and religion. It is a study of Black experiences and the effect of societies on them and their effect within societies. This study aims to, among other things, help eradicate many racial stereotypes. Global Black Studies implements history, family structure, social and economic pressures, stereotypes, and gender relationships. Devoted to the exploration and analysis of the history and culture of Black people in North America, South and Central America, the Caribbean, Europe, Asia, and Africa, Global Black Studies defines the Black experience from a Black-centered perspective, illuminates the contribution of Black people to world culture, and corrects a traditional approach to the study of world history that has tended to bypass the African Diaspora experience. Global Black Studies centers the experiences, voices, and research of Black people as a way to challenge dominant narratives. In short, our research and teaching covers pre- and post-colonial Africa and the African Diaspora in its multiple regions.

Required Courses (9 hours)

Students must earn a B or higher in these courses to fulfill the minor.

- GBS 200 - Introduction to Black Studies **Credits: 3**
- GBS 300 - Key Paradigms and Theories in Black Studies **Credits: 3**
- GBS 400 - Research, Methodologies and Writing in Black Studies **Credits: 3**

Electives (12 hours)

Take a total of 12 hours selected from the following list. Other courses may be counted if approved by the program director. Students must earn a C or higher in these courses to fulfill the minor.

- CJ 438 - Minorities, Crime and Social Policy **Credits: 3**
- ECON 344 - Ethics of Capitalism **Credits: 3**
- ENGL 210 - Contemporary African American Literature **Credits: 3**
- ENGL 404 - African American Literature and History **Credits: 3**
- ENGL 442 - African Literature **Credits: 3**
- ENGL 465 - Topics in African American Literature **Credits: 3**
- HIST 210 - African History to 1880 **Credits: 3**
- HIST 211 - African History Since 1880 **Credits: 3**
- HIST 237 - African American History **Credits: 3**
- HIST 240 - History of Hip-Hop **Credits: 3**
- HIST 303 - The African Diaspora **Credits: 3**
- HIST 337 - History of Slavery **Credits: 3**
- HIST 339 - The Long Civil Rights Movement **Credits: 3**
- HIST 366 - History of the Atlantic World **Credits: 3**
- HIST 401 - History of Sexualities in Africa **Credits: 3**
- HIST 402 - History of Peace and Conflict in Africa **Credits: 3**
- LEAD 300 - Leadership for Racial Justice **Credits: 3**
- MUS 304 - Jazz Appreciation **Credits: 3**
- PSC 314 - Southern Politics **Credits: 3**
- PSC 376 - African Politics **Credits: 3**
- SOC 195 - Sociology of Black America **Credits: 3**
- SOC 235 - Social Problems **Credits: 3**
- SOC 245 - Social Inequality **Credits: 3**
- SOC 414 - Race and Ethnicity **Credits: 3**
- SOC 448 - Social Movements **Credits: 3**
- SOCW 251 - Social Issues, Policy and Programs **Credits: 3**
- SOCW 402 - Diversity in Contemporary Society **Credits: 3**

Anthropology, BA

Total number of hours for the program: 120.

Students must meet all requirements indicated including a second major, minor, or other approved program.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements (36 hours)

The major requires 36 hours as follows:

- Six hours of Language courses
- Twelve hours of Anthropology Core courses
- Nine hours of Perspective courses from three categories (sociocultural/linguistic; archaeology, and bio-anthropology), and
- Nine hours of Anthropology Program Electives or nine hours of an Anthropology Concentration

Students may also finish an optional approved Engaged Learning Experience by working with their departmental advisor to complete an Engaged Learning Requirement Contract. This contract will detail the specific activities to be undertaken and corresponding deliverable to be produced during the experience. Engaged Learning Experiences may be associated with a travel course, independent study, internship, designated Engaged Learning course, or an independent engaged learning experience.

Language Requirement (6 hours)

Take six hours of World Languages 231, 232, or 240.

Anthropology Core (12 hours)

- ANTH 110 - Introduction to Archaeology **Credits: 3**
- ANTH 115 - Introduction to Biological Anthropology **Credits: 3**
- ANTH 120 - Introduction to Cultural Anthropology **Credits: 3**
- ANTH 341 - History of Anthropological Theory **Credits: 3**

Anthropology Perspectives (9 hours)

Take at least one course in each of the following categories:

Sociocultural and Linguistic Anthropology

- ANTH 327 - Economic Anthropology **Credits: 3**
- ANTH 349 - Engaged Anthropology **Credits: 3**
- ANTH 350 - Linguistic Anthropology **Credits: 3**
- ANTH 351 - Environmental Anthropology **Credits: 3**
- ANTH 365 - Religion, Magic, Myth **Credits: 3**
- ANTH 379 - Cherokee Arts **Credits: 3**
- ANTH 380 - Ethnographic Research Methods **Credits: 3**
- ANTH 417 - Giduwagi-Appalachia Historical Ecology **Credits: 3**
- ANTH 419 - Families and Households **Credits: 3**
- ANTH 450 - Endangered Languages and Language Revitalization **Credits: 3**
- ANTH 461 - Indigenous Cultures of North America **Credits: 3**
- ANTH 465 - Cultures of Latin America **Credits: 3**
- ANTH 466 - Folklore **Credits: 3**
- ANTH 473 - Contemporary Cherokee Culture and Society **Credits: 3**

Archaeology

- ANTH 320 - Experimental Archaeology **Credits: 3**
- ANTH 361 - World Archaeology **Credits: 3**
- ANTH 362 - Southeastern Archaeology **Credits: 3**
- ANTH 405 - Archaeology of Death **Credits: 3**
- ANTH 421 - Cherokee Archaeology **Credits: 3**
- ANTH 431 - North American Archaeology **Credits: 3**
- ANTH 440 - Archaeological Field Techniques **Credits: 6**
- ANTH 441 - Archaeological Problems and Analyses **Credits: 3**
- ANTH 442 - Archaeology of Landscape **Credits: 3**

Bioanthropology

- ANTH 251 - Introduction to Forensic Anthropology **Credits: 3**
- ANTH 300 - Human Osteology **Credits: 3**
- ANTH 333 - Medicolegal Death Investigation **Credits: 3**
- ANTH 344 - Forensic Archaeology **Credits: 3**
- ANTH 363 - Evolutionary Anthropology **Credits: 3**
- ANTH 368 - Bioarchaeology **Credits: 3**
- ANTH 370 - Human Biological Variation **Credits: 3**
- ANTH 373 - Anthropological Research Methods **Credits: 3**
- ANTH 400 - Forensic Anthropology Method and Theory **Credits: 3**
- ANTH 401 - Skeletal Trauma Analysis **Credits: 3**
- ANTH 403 - Taphonomy **Credits: 3**
- ANTH 409 - Paleopathology **Credits: 3**
- ANTH 432 - Bioanthropology of Race **Credits: 3**
- ANTH 486 - Field Methods in Forensic Archaeology **Credits: 6**

Anthropology Program Electives or Concentration (9 hours)

Take 9 hours of electives selected from anthropology courses at the 200-level or above. Students may use up to six hours of Native American Studies (NAS) courses as program electives.

OR

Choose an Anthropology Concentration from the options below.

- Archaeological Practice
- Archaeological Studies
- Cultural Anthropology
- Forensic Anthropology

Archaeological Practice Concentration

Take nine hours consisting of

- ANTH 440 - Archaeological Field Techniques **Credits: 6**
- ANTH 441 - Archaeological Problems and Analyses **Credits: 3**

Archaeological Studies Concentration

- ANTH 441 - Archaeological Problems and Analyses **Credits: 3**
and at least 3 hours of
- ANTH 483 - Anthropology Internship **Credits: 3**
or
- ANTH 484 - Anthropology Internship **Credits: 3**
or
and 3 hours of an additional Archaeology course (in addition to the Perspective requirement) or 3 additional hours of ANTH internship (ANTH 483, 484 or 485).
- ANTH 485 - Anthropology Internship **Credits: 3**

Cultural Anthropology Concentration

Take nine additional hours of Sociocultural and Linguistic Anthropology courses listed above. (This is in addition to the three hour Perspective requirement for this category.)

Forensic Anthropology Concentration

Forensic Anthropology is the application of anthropological method and theory to matters of legal concern, particularly those that relate to the recovery and analysis of the human skeleton. The goal of WCU's forensic anthropology program is to provide our students with the education and skills needed to support their future careers in forensic anthropology or related fields such as death investigation, law enforcement, or medicine.

Take nine hours consisting of

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

Additional Program Requirements (42 hours)

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

Curriculum Guide

Visit <https://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/anthsoc/index.aspx> to view the eight-semester curriculum guide.

Anthropology, BS

Total number of hours for the program: 120.

Students must meet all of the requirements indicated including a second major, minor, or other approved program.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements (36 hours)

The major requires 36 hours as follows:

- Twelve hours of Anthropology Core courses
- Nine hours of Perspective courses from three categories (sociocultural/linguistic; archaeology, and bio-anthropology), and
- Fifteen hours of Anthropology Program Electives, or six hours of Anthropology Program Electives and nine hours of an Anthropology Concentration

Students may also finish an optional approved Engaged Learning Experience by working with their departmental advisor to complete an Engaged Learning Requirement Contract. This contract will detail the specific activities to be undertaken and corresponding deliverable to be produced during the experience. Engaged Learning Experiences may be associated with a travel course, independent study, internship, designated Engaged Learning course, or an independent engaged learning experience.

Anthropology Core (12 hours)

Must take:

- ANTH 110 - Introduction to Archaeology **Credits: 3**
- ANTH 115 - Introduction to Biological Anthropology **Credits: 3**
- ANTH 120 - Introduction to Cultural Anthropology **Credits: 3**
- ANTH 341 - History of Anthropological Theory **Credits: 3**

Anthropology Perspectives (9 hours)

Take at least one course in each of the following categories:

Sociocultural and Linguistic Anthropology

- ANTH 327 - Economic Anthropology **Credits: 3**
- ANTH 349 - Engaged Anthropology **Credits: 3**
- ANTH 350 - Linguistic Anthropology **Credits: 3**
- ANTH 351 - Environmental Anthropology **Credits: 3**
- ANTH 365 - Religion, Magic, Myth **Credits: 3**
- ANTH 379 - Cherokee Arts **Credits: 3**
- ANTH 380 - Ethnographic Research Methods **Credits: 3**
- ANTH 417 - Giduwagi-Appalachia Historical Ecology **Credits: 3**
- ANTH 419 - Families and Households **Credits: 3**
- ANTH 450 - Endangered Languages and Language Revitalization **Credits: 3**
- ANTH 461 - Indigenous Cultures of North America **Credits: 3**
- ANTH 465 - Cultures of Latin America **Credits: 3**
- ANTH 466 - Folklore **Credits: 3**
- ANTH 473 - Contemporary Cherokee Culture and Society **Credits: 3**

Archaeology

- ANTH 320 - Experimental Archaeology **Credits: 3**
- ANTH 361 - World Archaeology **Credits: 3**
- ANTH 362 - Southeastern Archaeology **Credits: 3**
- ANTH 405 - Archaeology of Death **Credits: 3**
- ANTH 421 - Cherokee Archaeology **Credits: 3**
- ANTH 431 - North American Archaeology **Credits: 3**
- ANTH 440 - Archaeological Field Techniques **Credits: 6**
- ANTH 441 - Archaeological Problems and Analyses **Credits: 3**
- ANTH 442 - Archaeology of Landscape **Credits: 3**

Bioanthropology

- ANTH 251 - Introduction to Forensic Anthropology **Credits: 3**
- ANTH 300 - Human Osteology **Credits: 3**
- ANTH 333 - Medicolegal Death Investigation **Credits: 3**
- ANTH 344 - Forensic Archaeology **Credits: 3**
- ANTH 363 - Evolutionary Anthropology **Credits: 3**
- ANTH 368 - Bioarchaeology **Credits: 3**
- ANTH 370 - Human Biological Variation **Credits: 3**
- ANTH 373 - Anthropological Research Methods **Credits: 3**

- ANTH 400 - Forensic Anthropology Method and Theory **Credits: 3**
- ANTH 401 - Skeletal Trauma Analysis **Credits: 3**
- ANTH 403 - Taphonomy **Credits: 3**
- ANTH 409 - Paleopathology **Credits: 3**
- ANTH 432 - Bioanthropology of Race **Credits: 3**
- ANTH 486 - Field Methods in Forensic Archaeology **Credits: 6**

Anthropology Program Electives/Concentration (15 hours)

Take 15 hours of electives selected from anthropology courses at the 200-level or above. Students may use up to six hours of Native American Studies (NAS) courses as program electives.

OR

Take 6 hours of electives selected from anthropology courses at the 200-level or above. Students may use up to six hours of Native American Studies (NAS) courses as program electives.

AND

Choose an Anthropology Concentration (9 hours) from the options below.

- Archaeological Practice
- Archaeological Studies
- Cultural Anthropology
- Forensic Anthropology

Archaeological Practice Concentration

Take 9 hours consisting of

- ANTH 440 - Archaeological Field Techniques **Credits: 6**
- ANTH 441 - Archaeological Problems and Analyses **Credits: 3**

Archaeological Studies Concentration

- ANTH 441 - Archaeological Problems and Analyses **Credits: 3**
and at least 3 hours of
- ANTH 483 - Anthropology Internship **Credits: 3**
or
- ANTH 484 - Anthropology Internship **Credits: 3**
or
and 3 hours of an additional Archaeology course (in addition to the Perspectives requirement) or 3 additional hours of ANTH internship (ANTH 483, 484 or 485).
- ANTH 485 - Anthropology Internship **Credits: 3**

Cultural Anthropology Concentration

Take nine additional hours of Sociocultural and Linguistic Anthropology courses listed above. (This is in addition to the three hour Perspective requirement.)

Forensic Anthropology Concentration

Forensic Anthropology is the application of anthropological method and theory to matters of legal concern, particularly those that relate to the recovery and analysis of the human skeleton. The goal of WCU's forensic anthropology program is to provide our students with the education and skills needed to support their future careers in forensic anthropology or related fields such as death investigation, law enforcement, or medicine.

Take nine hours consisting of

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

Additional Program Requirements (42 hours)

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

Curriculum Guide

Visit <http://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/anthsoc/> to view the eight-semester curriculum guide.

Biology, BS

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

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

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

Concentrations:

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

Ecology and Evolutionary Biology

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

Guided Electives (15 hours).

May include two non-biology courses:

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

General Biology

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

Guided Electives (15 hours).

May include two non-biology courses:

- One Elective from the Ecology and Evolution set
- One elective from the Organismal Biology set
- One elective from the Cell and Molecular Biology set

- Electives chosen from any course set sufficient to bring the total for the concentration to 25 hours.

Cellular and Molecular Biology

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

Guided Electives (15 hours)

May include two non-biology courses:

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

Pre-Health Professional

- BIOL 333 - Cell and Molecular Biology **Credits: 4**
- BIOL 361 - Principles of Biochemistry **Credits: 3**
- BIOL 411 - Animal Physiology **Credits: 3**

Guided Electives (15 hours)

May include two non-biology courses:

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

General Electives

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

Biology Elective Course Sets

Cell and Molecular Biology Elective Set

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

Ecology and Evolution Elective Set

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

Organismal Biology Elective

- BIOL 321 - Plant Biology **Credits: 4**
- BIOL 326 - Plants and Human Affairs **Credits: 3**
- BIOL 373 - Invertebrate Zoology **Credits: 4**
- BIOL 374 - Vertebrate Zoology **Credits: 4**
- BIOL 411 - Animal Physiology **Credits: 3**
- BIOL 415 - Plant Physiology **Credits: 3**
- BIOL 425 - Flora of the Southern Appalachians **Credits: 4**
- BIOL 455 - Vascular Plants **Credits: 4**
- BIOL 470 - Biology of Arthropods **Credits: 4**
- BIOL 472 - Ornithology **Credits: 4**
- BIOL 475 - Animal Development **Credits: 4**
- BIOL 476 - Contemporary Fisheries **Credits: 4**
- BIOL 477 - Herpetology **Credits: 4**
- BIOL 478 - Parasitology **Credits: 3**
- BIOL 479 - Mammalogy **Credits: 4**

General Biology Elective Set

- BIOL 180 - Introduction to Biological Research **Credits: 1**
- BIOL 389 - Cooperative Education in Biology **Credits: 1 or 3, R15**
- BIOL 464 - Brewing Methods and Evaluation **Credits: 4**
- BIOL 467 - Biostatistics **Credits: 3**
- BIOL 480 - Research in Biology **Credits: 1-3, R6**
- BIOL 493 - Studies in Biology **Credits: 1-6, R12** -- includes courses available through Highlands Biological Station
- BIOL 495 - Introduction to Senior Thesis **Credits: 1**
- BIOL 498 - Senior Thesis I **Credits: 2**
- BIOL 499 - Senior Thesis II **Credits: 1**
- GEOL 305 - Soils and Hydrology **Credits: 4**
- MATH 370 - Probability and Statistics I **Credits: 3**
- MATH 375 - Statistical Methods II **Credits: 3**
- NRM 344 - Applied Geographic Information Systems **Credits: 4**
- PAR 330 - America's Wilderness Ethics and Aesthetics **Credits: 3**
- PAR 332 - Biomedical Ethics and Social Justice **Credits: 3**
- PAR 333 - Environmental and Animal Ethics **Credits: 3**

Film Studies, Minor

Total number of hours for the program: 18.

The Minor in Film Studies requires 18 semester hours, exclusive of those counting toward the major.

NOTE: Students pursuing a BA in English may not use an ENGL course for both the major and the minor; double-counting a course between the major and minor is not allowed.

Required Courses

The minor requires 12 hours from:

- ENGL 368 - Film Genres **Credits: 3, R6**
- ENGL 378 - Motion Picture Histories **Credits: 3**
- ENGL 394 - Film Adaptation **Credits: 3, R6**
- ENGL 478 - Film Theory **Credits: 3**

6 semester hours selected from the following:

- ENGL 278 - Introduction to Film Studies **Credits: 3**
- ENGL 310 - Classical Rhetoric and Contemporary Writing **Credits: 3**
- ENGL 311 - Writing and Advocacy **Credits: 3**
- ENGL 325 - Language and Culture **Credits: 3**
- ENGL 353 - Stories Retold **Credits: 3**
- ENGL 363 - Globalization and Global Literatures **Credits: 3**
- ENGL 367 - Appalachian Literature **Credits: 3**
- ENGL 403 - Community Writing **Credits: 3**
- ENGL 410 - Political Rhetorics **Credits: 3**
- ENGL 420 - Chaucer and His Age **Credits: 3**
- ENGL 421 - Fairy Tale, Myth, and Legend **Credits: 3**
- ENGL 443 - Cultural Studies **Credits: 3**
- ENGL 470 - 20th Century & Contemporary Postcolonial Literature **Credits: 3**
- ENGL 474 - Literary Theory **Credits: 3**
- LAW 406 - Media Law **Credits: 3**
- FTP 329 - Writing the Short Screenplay **Credits: 3**
- FTP 340 - Filmmakers on Filmmaking **Credits: 3**
- MUS 469 - Music in Motion Pictures **Credits: 3**
- PAR 309 - Philosophy In and Of Film **Credits: 3**
- PAR 353 - Religion in Film **Credits: 3**

International Studies (Interdisciplinary), BA

Total number of hours for the program: 120.

The BA in International Studies provides students with the skills necessary to function in a globally interconnected society. Within the program, students will be able to concentrate their studies on the following topics; Peace, Violence, and Security; Global Governance, Human Rights, and Law; Global Poverty and Economic Development; Religions, Cultures, and Civilizations; or a specific region of the world.

This program must be taken as part of a double major and requires 30 hours of courses. Students must complete a second major or approved course of study to graduate.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

The major requires 30 hours:

Modern Foreign Languages (9 hours)

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

or

MFL 231-232 or 240 (six hours) in the same language and three hours MFL in a second language.

Required Courses and Area of Concentration (18 hours)

Students must take INST 200 and INST 400 as requirements of the major. INST 200 should be taken toward the beginning of a student's course of study, and INST 400 should be taken during a student's final year at WCU.

To focus their studies on a particular topic or region, students are also required to choose a concentration. Students must take 12 hours of courses within their designated concentration, and those courses must draw from at least two different prefixes/disciplines.

- INST 200 - Introduction to International Studies **Credits: 3**
- INST 400 - International Studies Capstone **Credits: 3**

Concentration: Peace, Violence, and Security

If students choose Peace, Violence, and Security as their concentration, they must take 12 hours from the following list of courses:

- COMM 431 - International Reporting **Credits: 3**
- HIST 317 - History of 20th Century International Relations **Credits: 3**
- HIST 402 - History of Peace and Conflict in Africa **Credits: 3**
- HIST 416 - Europe in the Twentieth Century **Credits: 3**
- HIST 425 - Modern European Military History **Credits: 3**
- PSC 352 - International Security **Credits: 3**
- PSC 357 - Political Violence **Credits: 3**
- PSC 358 - United States Foreign Policy **Credits: 3**
- PSC 370 - Politics of Ethnic Conflict **Credits: 3**
- PSC 451 - Model United Nations **Credits: 3, R6**
- PSC 361 - On War **Credits: 3**

Concentration: Global Governance, Human Rights, and Law

Students must take 12 hours from the following list of courses:

- CJ 354 - Comparative Criminal Justice Systems **Credits: 3**
- CJ 475 - International Studies in Law and Society **Credits: 3, R6**
- GEOG 444 - Political Geography **Credits: 3**
- HIST 342 - American Diplomatic History **Credits: 3**
- LAW 320 - International Business Law **Credits: 3**
- PAR 392 - Global Justice, Liberty, and Human Rights **Credits: 3**
- PSC 353 - International Political Economy **Credits: 3**
- PSC 354 - International Environmental Politics **Credits: 3**
- PSC 359 - International Law **Credits: 3**
- PSC 370 - Politics of Ethnic Conflict **Credits: 3**
- PSC 451 - Model United Nations **Credits: 3, R6**

Concentration: Global Poverty and Economic Development

If students choose Global Poverty and Economic Development as their concentration, they must take 12 hours from the following list of courses:

- ANTH 327 - Economic Anthropology **Credits: 3**
- GEOG 350 - Economic Geography **Credits: 3**
- MKT 407 - Global Consumer Culture **Credits: 3**
- NAS 452 - The Roots of Health Disparities in Native American Populations **Credits: 3**
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits: 3**
- PSC 353 - International Political Economy **Credits: 3**
- PSC 354 - International Environmental Politics **Credits: 3**
- PSC 380 - Politics of Developing Areas **Credits: 3**

Concentration: Religions, Cultures, and Civilizations

If students choose Religions, Cultures, and Civilizations as their concentration, they must take 12 hours from the following list of courses:

- ANTH 361 - World Archaeology **Credits: 3**
- ANTH 465 - Cultures of Latin America **Credits: 3**
- ANTH 473 - Contemporary Cherokee Culture and Society **Credits: 3**
- ENGL 242 - Cultural Studies & Non-Western World Literature **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 496 - Seminar in World Literature **Credits: 3**
- HIST 236 - Native American Lives **Credits: 3**
- HIST 415 - Early Modern Travel **Credits: 3**
- HIST 425 - Modern European Military History **Credits: 3**
- HT 238 - Travel and Tourism **Credits: 3**
- NAS 471 - Indigenous and Western Psychologies **Credits: 3**
- PAR 251 - Islam, Past and Present **Credits: 3**
- PAR 260 - Religion, Gender, Sexuality **Credits: 3**
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits: 3**
- PAR 356 - Buddhism **Credits: 3**
- PAR 357 - Hinduism **Credits: 3**
- PAR 367 - Native American Religions **Credits: 3**
- SM 350 - Global Sport and Culture **Credits: 3**
- SOC 373 - Globalization **Credits: 3**
- SPAN 321 - Hispanic Cultures I **Credits: 3**
- SPAN 322 - Hispanic Cultures II **Credits: 3**

Concentration: Asia

If students choose Asia as their concentration, they must take 12 hours from the following list of courses:

- GEOG 440 - Regional Geography **Credits: 3, R12**
- HIST 218 - Modern Asia **Credits: 3**
- HIST 301 - Modern Chinese History: From the Middle Kingdom to the People's Republic **Credits: 3**
- HIST 302 - India in the Modern World **Credits: 3**
- JPN 305 - Introduction to Japanese Literature in Translation **Credits: 3**
- JPN 306 - Anime, Manga and Japan **Credits: 3**
- JPN 307 - Japanese Language in Cinema **Credits: 3**
- PAR 356 - Buddhism **Credits: 3**
- PSC 378 - Asian Politics **Credits: 3**

Concentration: Africa and Middle East

If students choose Africa and Middle East as their concentration, they must take 12 hours from the following list of courses:

- ENGL 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- GEOG 440 - Regional Geography **Credits: 3, R12**
- HIST 210 - African History to 1880 **Credits: 3**
- HIST 211 - African History Since 1880 **Credits: 3**
- HIST 303 - The African Diaspora **Credits: 3**
- HIST 401 - History of Sexualities in Africa **Credits: 3**
- HIST 402 - History of Peace and Conflict in Africa **Credits: 3**
- PAR 251 - Islam, Past and Present **Credits: 3**
- PSC 376 - African Politics **Credits: 3**

Concentration: Europe

If students choose Europe as their concentration, they must take 12 hours from the following list of courses:

- GEOG 440 - Regional Geography **Credits: 3, R12**
- HIST 281 - Transformations in European Religious History **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**
- PAR 306 - Early Modern Philosophy from Copernicus to Kant **Credits: 3**
- PSC 375 - European Politics **Credits: 3**
- SPAN 321 - Hispanic Cultures I **Credits: 3**
- SPAN 322 - Hispanic Cultures II **Credits: 3**
- SPAN 394 - Immersion Experience **Credits: 3-6, R12**

Concentration: The Americas

If students choose the Americas as their concentration, they must take 12 hours from the following list of courses:

- ANTH 362 - Southeastern Archaeology **Credits: 3**
- ANTH 431 - North American Archaeology **Credits: 3**
- ANTH 461 - Indigenous Cultures of North America **Credits: 3**
- ANTH 465 - Cultures of Latin America **Credits: 3**
- ANTH 473 - Contemporary Cherokee Culture and Society **Credits: 3**
- GEOG 440 - Regional Geography **Credits: 3, R12**
- HIST 212 - Latin American History I **Credits: 3**
- HIST 213 - Latin American History II **Credits: 3**
- HIST 345 - Modern Native America **Credits: 3**
- HIST 352 - Cherokee History **Credits: 3**
- NAS 470 - Cherokee Culture and History **Credits: 3**
- PAR 367 - Native American Religions **Credits: 3**
- PSC 379 - Latin American Politics **Credits: 3**
- SPAN 321 - Hispanic Cultures I **Credits: 3**
- SPAN 322 - Hispanic Cultures II **Credits: 3**
- SPAN 432 - North American and Caribbean Literature **Credits: 3, R6**
- SPAN 434 - South American Hispanic Literature **Credits: 3**

Guided Elective (3 hours)

Students must take three hours *outside* of their concentration:

- ANTH 327 - Economic Anthropology **Credits: 3**
- ANTH 361 - World Archaeology **Credits: 3**
- ANTH 362 - Southeastern Archaeology **Credits: 3**
- ANTH 431 - North American Archaeology **Credits: 3**
- ANTH 461 - Indigenous Cultures of North America **Credits: 3**
- ANTH 465 - Cultures of Latin America **Credits: 3**
- ANTH 473 - Contemporary Cherokee Culture and Society **Credits: 3**
- CJ 354 - Comparative Criminal Justice Systems **Credits: 3**
- CJ 475 - International Studies in Law and Society **Credits: 3, R6**
- COMM 431 - International Reporting **Credits: 3**
- ENGL 242 - Cultural Studies & Non-Western World Literature **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 496 - Seminar in World Literature **Credits: 3**
- GEOG 350 - Economic Geography **Credits: 3**
- GEOG 440 - Regional Geography **Credits: 3, R12**
- GEOG 444 - Political Geography **Credits: 3**
- HIST 210 - African History to 1880 **Credits: 3**
- HIST 211 - African History Since 1880 **Credits: 3**
- HIST 212 - Latin American History I **Credits: 3**
- HIST 213 - Latin American History II **Credits: 3**
- HIST 218 - Modern Asia **Credits: 3**
- HIST 236 - Native American Lives **Credits: 3**
- HIST 281 - Transformations in European Religious History **Credits: 3**
- HIST 301 - Modern Chinese History: From the Middle Kingdom to the People's Republic **Credits: 3**
- HIST 302 - India in the Modern World **Credits: 3**

- HIST 303 - The African Diaspora **Credits: 3**
- HIST 317 - History of 20th Century International Relations **Credits: 3**
- HIST 330 - Modern Germany **Credits: 3**
- HIST 342 - American Diplomatic History **Credits: 3**
- HIST 345 - Modern Native America **Credits: 3**
- HIST 352 - Cherokee History **Credits: 3**
- HIST 401 - History of Sexualities in Africa **Credits: 3**
- HIST 402 - History of Peace and Conflict in Africa **Credits: 3**
- HIST 415 - Early Modern Travel **Credits: 3**
- HIST 416 - Europe in the Twentieth Century **Credits: 3**
- HIST 425 - Modern European Military History **Credits: 3**
- HT 238 - Travel and Tourism **Credits: 3**
- INST 480 - Independent Study **Credits: 3**
- INST 493 - Topics in International Studies **Credits: 3**
- JPN 305 - Introduction to Japanese Literature in Translation **Credits: 3**
- JPN 306 - Anime, Manga and Japan **Credits: 3**
- JPN 307 - Japanese Language in Cinema **Credits: 3**
- LAW 320 - International Business Law **Credits: 3**
- MKT 407 - Global Consumer Culture **Credits: 3**
- NAS 452 - The Roots of Health Disparities in Native American Populations **Credits: 3**
- NAS 470 - Cherokee Culture and History **Credits: 3**
- NAS 471 - Indigenous and Western Psychologies **Credits: 3**
- PAR 251 - Islam, Past and Present **Credits: 3**
- PAR 260 - Religion, Gender, Sexuality **Credits: 3**
- PAR 306 - Early Modern Philosophy from Copernicus to Kant **Credits: 3**
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits: 3**
- PAR 356 - Buddhism **Credits: 3**
- PAR 357 - Hinduism **Credits: 3**
- PAR 367 - Native American Religions **Credits: 3**
- PAR 392 - Global Justice, Liberty, and Human Rights **Credits: 3**
- PSC 352 - International Security **Credits: 3**
- PSC 353 - International Political Economy **Credits: 3**
- PSC 354 - International Environmental Politics **Credits: 3**
- PSC 357 - Political Violence **Credits: 3**
- PSC 358 - United States Foreign Policy **Credits: 3**
- PSC 359 - International Law **Credits: 3**
- PSC 361 - On War **Credits: 3**
- PSC 370 - Politics of Ethnic Conflict **Credits: 3**
- PSC 375 - European Politics **Credits: 3**
- PSC 376 - African Politics **Credits: 3**
- PSC 378 - Asian Politics **Credits: 3**
- PSC 379 - Latin American Politics **Credits: 3**
- PSC 380 - Politics of Developing Areas **Credits: 3**
- PSC 451 - Model United Nations **Credits: 3, R6**
- SM 350 - Global Sport and Culture **Credits: 3**
- SOC 373 - Globalization **Credits: 3**
- SPAN 321 - Hispanic Cultures I **Credits: 3**
- SPAN 322 - Hispanic Cultures II **Credits: 3**
- SPAN 394 - Immersion Experience **Credits: 3-6, R12**
- SPAN 432 - North American and Caribbean Literature **Credits: 3, R6**
- SPAN 434 - South American Hispanic Literature **Credits: 3**

Additional Requirements:

International Studies is a designated as a coordinate major, so all INST majors *must* also declare a second major.

INST majors must also finish an approved Engaged Learning Experience (ELE) to complete the requirements for the degree. Students must work with their program advisors to develop an ELE contract no later than the end of drop/add period in the

semester prior to their graduating semester, and that contract must be completed no later than the last day of classes of the semester prior to their graduating semester. This contract will detail the specific activities and outcomes of the ELE.

For INST majors, Engaged Learning Experiences may be associated with a travel course/study abroad, independent study, internship, or a designated Engaged Learning course.

Philosophy (Concentration in Philosophy), BA

Total number of hours for the program: 120.

The B.A. in Philosophy requires 9 hours of foundations, 9 hours of a concentration either in Philosophy or Religion, 6 hours of major electives, and 6 hours of upper-level seminar. Additionally, philosophy majors must take 6 hours of world language, or equivalent, and must either take a minor or a second major.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements (36 hours)

The B.A. in Philosophy requires 9 hours of foundations, 9 hours of a concentration either in Philosophy or Religion, 6 hours of major electives, and 6 hours of upper-level seminar. Additionally, philosophy majors must take 6 hours of world language, or equivalent, and must either take a minor or a second major.

Language Requirement (6 hours)

6 hours of World Language or alternatives such as Cherokee, American Sign Language, or Ancient Greek.

Foundations in Philosophy (9 hours)

The Foundations in Philosophy requirements are the same for either concentration. Take any 100-level PAR course, the sophomore seminar PAR 295 and PAR 304.

Any 100-level PAR course

- PAR 295 - Self, Society, & the Good Life **Credits: 3**
- PAR 304 - Ancient Greek and Roman Thought **Credits: 3**

Concentration in Philosophy (9 hours)

The concentration consists of 9 hours, including PAR 230, PAR 306, and either PAR 317 or PAR 319.

- PAR 230 - Legal, Scientific, & Critical Reasoning **Credits: 3**
- PAR 306 - Early Modern Philosophy from Copernicus to Kant **Credits: 3**
- PAR 317 - Feminist Thought **Credits: 3**
- OR
- PAR 319 - Philosophy of Race **Credits: 3**

Major Electives in Philosophy and Religion (6 hours)

The six hours of Major Electives may be satisfied by taking any two other PAR courses at the 200-, 300-, or 400- level.

- PAR 201 - Philosophy of Sex and Love **Credits: 3**
- PAR 250 - Origins of Early Christian Traditions **Credits: 3**
- PAR 251 - Islam, Past and Present **Credits: 3**
- PAR 260 - Religion, Gender, Sexuality **Credits: 3**
- PAR 307 - Existentialism and Beyond **Credits: 3**
- PAR 309 - Philosophy In and Of Film **Credits: 3**
- PAR 310 - Philosophy of Art **Credits: 3**

- PAR 312 - Philosophy of Religion **Credits: 3**
- PAR 313 - Philosophy of Law **Credits: 3**
- PAR 315 - Philosophy of Mind **Credits: 3**
- PAR 317 - Feminist Thought **Credits: 3**
- PAR 319 - Philosophy of Race **Credits: 3**
- PAR 320 - Philosophical and Religious Classics **Credits: 3, R6**
- PAR 323 - Mysticism **Credits: 3**
- PAR 330 - America's Wilderness Ethics and Aesthetics **Credits: 3**
- PAR 332 - Biomedical Ethics and Social Justice **Credits: 3**
- PAR 333 - Environmental and Animal Ethics **Credits: 3**
- PAR 342 - Theory and Method in the Study of Religion **Credits: 3**
- PAR 353 - Religion in Film **Credits: 3**
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits: 3**
- PAR 356 - Buddhism **Credits: 3**
- PAR 357 - Hinduism **Credits: 3**
- PAR 365 - Faith and Reason from Empire to Enlightenment **Credits: 3**
- PAR 366 - Science, Religion & Knowledge **Credits: 3**
- PAR 367 - Native American Religions **Credits: 3**
- PAR 380 - Independent Study **Credits: 1-3, R6**
- PAR 392 - Global Justice, Liberty, and Human Rights **Credits: 3**
- PAR 393 - Topics in Philosophy and Religion **Credits: 1-3, R6**

Seminars (6 hours)

Majors must take an upper-level seminar-either PAR 392 or PAR 393 -and the capstone, PAR 495.

EITHER

- PAR 392 - Global Justice, Liberty, and Human Rights **Credits: 3**

OR

- PAR 393 - Topics in Philosophy and Religion **Credits: 1-3, R6**

AND ALSO

- PAR 495 - Seminar in Philosophy and Religion **Credits: 3, R9**

Additional Requirements

To complete the Bachelor of Arts program in the College of Arts & Sciences, a total of 42 hours is required, which includes a second major, minor, or approved program, and a minimum of 12-14 general (free) electives depending on the number of hours taken in the major that also fulfill the Liberal Studies requirements. At least 30 hours of courses at WCU must be taken at the junior/senior level to meet one of the University's degree requirements.

Note: Students who pursue a concentration in Philosophy can also choose a minor in Religion and students who pursue a concentration in Religion can also choose a minor in Philosophy. These students cannot, however, use a single course to count towards both the concentration and the minor.

Philosophy (Concentration in Religion), BA

Total number of hours for the program: 120.

The B.A. in Philosophy requires 9 hours of foundations, 9 hours of a concentration either in Philosophy or Religion, 6 hours of major electives, and 6 hours of upper-level seminar. Additionally, philosophy majors must take 6 hours of world language, or equivalent, and must either take a minor, a second major, or an approved program.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements (36 hours)

The B.A. in Philosophy requires 9 hours of foundations, 9 hours of a concentration either in Philosophy or Religion, 6 hours of major electives, and 6 hours of upper-level seminar.

Additionally, philosophy majors must take 6 hours of world language, or equivalent, and must either take a minor, a second major, or an approved program.

Language Requirement (6 hours)

6 hours of World Language or alternatives such as Cherokee, American Sign Language, or Ancient Greek.

Foundations in Philosophy (9 hours)

The Foundations in Philosophy requirements are the same for either concentration. Take any 100-level PAR course, the sophomore seminar PAR 295, and PAR 304.

Any 100-level PAR course

- PAR 295 - Self, Society, & the Good Life **Credits: 3**
- PAR 304 - Ancient Greek and Roman Thought **Credits: 3**

Concentration in Religion (9 hours)

The concentration in Religion consists of 9 hours, including either PAR 250 or PAR 251; either PAR 356 or PAR 357; and PAR 342.

- PAR 250 - Origins of Early Christian Traditions **Credits: 3**
OR
- PAR 251 - Islam, Past and Present **Credits: 3**
- PAR 342 - Theory and Method in the Study of Religion **Credits: 3**
- PAR 356 - Buddhism **Credits: 3**
OR
- PAR 357 - Hinduism **Credits: 3**

Major Electives in Philosophy and Religion (6 hours)

The six hours of Major Electives may be satisfied by taking any two other PAR courses at the 200-, 300-, or 400- level. Some upper-level courses in Anthropology, English and History are also acceptable for those with the Religion concentration.

- ANTH 365 - Religion, Magic, Myth **Credits: 3**
- ENGL 390 - The Bible as Literature **Credits: 3**
- HIST 421 - Romans, Christians, Barbarians **Credits: 3**
- HIST 455 - American Religious History **Credits: 3**
- PAR 201 - Philosophy of Sex and Love **Credits: 3**
- PAR 230 - Legal, Scientific, & Critical Reasoning **Credits: 3**
- PAR 250 - Origins of Early Christian Traditions **Credits: 3**
- PAR 251 - Islam, Past and Present **Credits: 3**
- PAR 260 - Religion, Gender, Sexuality **Credits: 3**
- PAR 307 - Existentialism and Beyond **Credits: 3**
- PAR 309 - Philosophy In and Of Film **Credits: 3**
- PAR 310 - Philosophy of Art **Credits: 3**
- PAR 312 - Philosophy of Religion **Credits: 3**
- PAR 313 - Philosophy of Law **Credits: 3**
- PAR 315 - Philosophy of Mind **Credits: 3**
- PAR 317 - Feminist Thought **Credits: 3**
- PAR 319 - Philosophy of Race **Credits: 3**
- PAR 320 - Philosophical and Religious Classics **Credits: 3, R6**
- PAR 323 - Mysticism **Credits: 3**
- PAR 330 - America's Wilderness Ethics and Aesthetics **Credits: 3**
- PAR 332 - Biomedical Ethics and Social Justice **Credits: 3**
- PAR 333 - Environmental and Animal Ethics **Credits: 3**
- PAR 353 - Religion in Film **Credits: 3**
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits: 3**
- PAR 356 - Buddhism **Credits: 3**
- PAR 357 - Hinduism **Credits: 3**
- PAR 365 - Faith and Reason from Empire to Enlightenment **Credits: 3**

- PAR 366 - Science, Religion & Knowledge **Credits: 3**
- PAR 367 - Native American Religions **Credits: 3**
- PAR 380 - Independent Study **Credits: 1-3, R6**
- PAR 393 - Topics in Philosophy and Religion **Credits: 1-3, R6**

Special Topics and Capstone Seminars (6 hours)

Majors must take an upper-level seminar-either PAR 392 or PAR 393 -and the capstone, PAR 495.

- PAR 392 - Global Justice, Liberty, and Human Rights **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 College of Arts & Sciences, a total of 42 hours is required, which includes a second major, minor, or approved program, and a minimum of 12-14 general (free) electives depending on the number of hours taken in the major that also fulfill the Liberal Studies requirements. At least 30 hours of courses at WCU must be taken at the junior-senior level to meet one of the University's degree requirements.

Philosophy, Minor

Total number of hours for the program: 18.

The minor in Philosophy includes 9 hours of foundations and 9 hours of electives.

Minor Foundations in Philosophy (9 hours)

The foundations include any 100-level PAR course, PAR 230 and PAR 295.

Any 100-level PAR course

- PAR 230 - Legal, Scientific, & Critical Reasoning **Credits: 3**
- PAR 295 - Self, Society, & the Good Life **Credits: 3**

Minor Electives in Philosophy (9 hours)

The 9 hours of Minor Electives may be satisfied by taking any other three PAR classes at the 200-, 300-, or 400- level.

- PAR 201 - Philosophy of Sex and Love **Credits: 3**
- PAR 250 - Origins of Early Christian Traditions **Credits: 3**
- PAR 251 - Islam, Past and Present **Credits: 3**
- PAR 260 - Religion, Gender, Sexuality **Credits: 3**
- PAR 304 - Ancient Greek and Roman Thought **Credits: 3**
- PAR 306 - Early Modern Philosophy from Copernicus to Kant **Credits: 3**
- PAR 307 - Existentialism and Beyond **Credits: 3**
- PAR 309 - Philosophy In and Of Film **Credits: 3**
- PAR 310 - Philosophy of Art **Credits: 3**
- PAR 312 - Philosophy of Religion **Credits: 3**
- PAR 313 - Philosophy of Law **Credits: 3**
- PAR 315 - Philosophy of Mind **Credits: 3**
- PAR 317 - Feminist Thought **Credits: 3**
- PAR 319 - Philosophy of Race **Credits: 3**
- PAR 320 - Philosophical and Religious Classics **Credits: 3, R6**
- PAR 323 - Mysticism **Credits: 3**
- PAR 330 - America's Wilderness Ethics and Aesthetics **Credits: 3**
- PAR 332 - Biomedical Ethics and Social Justice **Credits: 3**
- PAR 333 - Environmental and Animal Ethics **Credits: 3**
- PAR 342 - Theory and Method in the Study of Religion **Credits: 3**
- PAR 353 - Religion in Film **Credits: 3**
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits: 3**

- PAR 356 - Buddhism **Credits: 3**
- PAR 357 - Hinduism **Credits: 3**
- PAR 365 - Faith and Reason from Empire to Enlightenment **Credits: 3**
- PAR 366 - Science, Religion & Knowledge **Credits: 3**
- PAR 367 - Native American Religions **Credits: 3**
- PAR 380 - Independent Study **Credits: 1-3, R6**
- PAR 392 - Global Justice, Liberty, and Human Rights **Credits: 3**
- PAR 393 - Topics in Philosophy and Religion **Credits: 1-3, R6**

Professional Writing, Minor

Total number of hours for the program: 18.

Note: The Minor in Professional Writing is not open to students pursuing the BA in English with a Writing and Editing in Professional Environments Concentration. Students pursuing a BA in English may not use an ENGL course for both the major and the minor; double-counting a course between the major and minor is not allowed.

Minor Requirements

Students should take twelve semester hours selected from the following writing courses:

- ENGL 213 - Introduction to Professional Writing and Editing **Credits: 3**
- ENGL 304 - Writing for Electronic Environments **Credits: 3**
- ENGL 306 - Nonfiction Writing **Credits: 3**
- ENGL 307 - Professional Editing and Publishing **Credits: 3**
- ENGL 313 - Authoring Multimedia **Credits: 3, R6**
- ENGL 315 - Proposal and Grant Writing **Credits: 3**
- ENGL 389 - Cooperative Education: Professional Writing **Credits: 1 or 3, R15**
- ENGL 401 - Writing for Careers **Credits: 3**
- ENGL 402 - Technical Writing **Credits: 3**
- ENGL 412 - Grammar for Writers **Credits: 3**
- ENGL 429 - Studies in Professional Writing **Credits: 3, R6**
- ENGL 483 - Writing Internship **Credits: 3**

Additional Requirements

Six hours from any English course, exclusive of those approved for 100-200 level Liberal Studies credit.

- ENGL 308 - Fiction Writing **Credits: 3, R6**
- ENGL 309 - Poetry Writing **Credits: 3, R6**
- ENGL 312 - Grammar for Teachers **Credits: 3**
- ENGL 333 - Introduction to Shakespeare **Credits: 3**
- ENGL 350 - The Renaissance **Credits: 3**
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature **Credits: 3**
- ENGL 352 - The Journey in Literature **Credits: 3**
- ENGL 353 - Stories Retold **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 367 - Appalachian Literature **Credits: 3**
- ENGL 368 - Film Genres **Credits: 3, R6**
- ENGL 378 - Motion Picture Histories **Credits: 3**
- ENGL 389 - Cooperative Education: Professional Writing **Credits: 1 or 3, R15**
- ENGL 390 - The Bible as Literature **Credits: 3**
- ENGL 394 - Film Adaptation **Credits: 3, R6**
- ENGL 405 - Advanced Creative Writing **Credits: 3**
- ENGL 414 - Fundamentals of Teaching Composition **Credits: 3**
- ENGL 415 - Applied Linguistics **Credits: 3**
- ENGL 416 - Teaching English as a Second Language **Credits: 3**
- ENGL 419 - Medieval Literature **Credits: 3**
- ENGL 420 - Chaucer and His Age **Credits: 3**
- ENGL 421 - Fairy Tale, Myth, and Legend **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 450 - Seminar in English Studies **Credits: 3, R6**
- ENGL 451 - Nineteenth-Century British Writers **Credits: 3**
- ENGL 459 - Southern 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 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 474 - Literary Theory **Credits: 3**
- ENGL 475 - Modernism and the Little Magazine **Credits: 3**
- ENGL 477 - Literature, Gender, and Culture **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 493 - Topics in Creative Writing **Credits: 1-3, R6**
- ENGL 496 - Seminar in World Literature **Credits: 3**
- ENGL 498 - Jobs in the Changing Workplace **Credits: 3**

Religion, Minor

Total number of hours for the program: 18.

The Minor in Religion includes 12 hours of requirements in religion and 6 hours of electives in religion.

Minor Core in Religion (9 hours)

The Minor Core include 9 hours, consisting of any 100-level PAR course, PAR 295, and PAR 342.

Any 100-level PAR course

- PAR 295 - Self, Society, & the Good Life **Credits: 3**
- PAR 342 - Theory and Method in the Study of Religion **Credits: 3**

Religious Tradition (3 hours)

Choose at least one course that explores a particular religious tradition in depth.

- PAR 250 - Origins of Early Christian Traditions **Credits: 3**
- PAR 251 - Islam, Past and Present **Credits: 3**
- PAR 356 - Buddhism **Credits: 3**
- PAR 357 - Hinduism **Credits: 3**
- PAR 367 - Native American Religions **Credits: 3**

Minor Electives in Religion (6 hours)

The 6 hours of Minor Electives may be satisfied by taking any two other PAR courses at the 200-, 300-, or 400- level. Some upper-level courses in Anthropology, English, and History are also available as options.

- ANTH 365 - Religion, Magic, Myth **Credits: 3**
- ENGL 390 - The Bible as Literature **Credits: 3**
- HIST 421 - Romans, Christians, Barbarians **Credits: 3**
- HIST 455 - American Religious History **Credits: 3**
- PAR 201 - Philosophy of Sex and Love **Credits: 3**
- PAR 230 - Legal, Scientific, & Critical Reasoning **Credits: 3**
- PAR 250 - Origins of Early Christian Traditions **Credits: 3**
- PAR 251 - Islam, Past and Present **Credits: 3**
- PAR 260 - Religion, Gender, Sexuality **Credits: 3**

- PAR 304 - Ancient Greek and Roman Thought **Credits: 3**
- PAR 306 - Early Modern Philosophy from Copernicus to Kant **Credits: 3**
- PAR 307 - Existentialism and Beyond **Credits: 3**
- PAR 309 - Philosophy In and Of Film **Credits: 3**
- PAR 310 - Philosophy of Art **Credits: 3**
- PAR 312 - Philosophy of Religion **Credits: 3**
- PAR 313 - Philosophy of Law **Credits: 3**
- PAR 315 - Philosophy of Mind **Credits: 3**
- PAR 317 - Feminist Thought **Credits: 3**
- PAR 319 - Philosophy of Race **Credits: 3**
- PAR 320 - Philosophical and Religious Classics **Credits: 3, R6**
- PAR 323 - Mysticism **Credits: 3**
- PAR 330 - America's Wilderness Ethics and Aesthetics **Credits: 3**
- PAR 332 - Biomedical Ethics and Social Justice **Credits: 3**
- PAR 333 - Environmental and Animal Ethics **Credits: 3**
- PAR 353 - Religion in Film **Credits: 3**
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits: 3**
- PAR 356 - Buddhism **Credits: 3**
- PAR 357 - Hinduism **Credits: 3**
- PAR 365 - Faith and Reason from Empire to Enlightenment **Credits: 3**
- PAR 366 - Science, Religion & Knowledge **Credits: 3**
- PAR 367 - Native American Religions **Credits: 3**
- PAR 380 - Independent Study **Credits: 1-3, R6**
- PAR 392 - Global Justice, Liberty, and Human Rights **Credits: 3**
- PAR 393 - Topics in Philosophy and Religion **Credits: 1-3, R6**

Sociology, BA

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

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

Any World Languages and Literatures course. **Credits: 6**

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

Electives

To complete a sociology major, students must take an additional 21 hours of SOC elective courses. SOC 103 and SOC 195 cannot be counted toward the elective requirement.

Optional Engaged Learning Experience:

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

Additional Requirements

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

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

Sociology, BS

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

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

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

Electives

To complete a sociology major, students must take an additional 21 hours of SOC elective courses. SOC 103 and SOC 195 cannot be counted toward the elective requirement.

Optional Engaged Learning Experience

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

Additional Requirements

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

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

Teaching English to Speakers of Other Languages (TESOL), Minor

Total number of hours for the program: 18.

The TESOL minor provides a basic course of study for the methodology, theory, and practice of teaching English as a second language. The minor provides an opportunity to seek NC ESL licensure as an add-on to primary licensure in another area. The minor requires the following:

Minor Requirements (18 Hours)

Linguistics Requirement

- ENGL 415 - Applied Linguistics **Credits: 3**

Methods Requirement

Choose one (three hours) of these two courses. It is recommended that students seeking initial licensure with a concentration in Language Arts (all levels) complete ENGL 416. Students seeking licensure with concentrations in Math, Science, and Social Studies (all levels) complete ENGL 413.

Note: Students should complete ENGL 312 and ENGL 415 before enrolling in ENGL 413 or 416.

- ENGL 413 - ESL Methods for Content Teachers **Credits: 3**

OR

- ENGL 416 - Teaching English as a Second Language **Credits: 3**

Practicum Requirements

The practicum requirement may, in some circumstances, be met by the practicum/student teaching in a student's initial licensure area. The practicum must contain a significant English Language Learners (ELL) K-12 component. See the TESOL/ESL director for approval of the practicum requirement.

- ENGL 492 - ESL Practicum **Credits: 3**

TESOL Courses (9 hours)

- ENGL 312 - Grammar for Teachers **Credits: 3**
Two of the following three courses:
- ENGL 319 - Grammar, Language, and Discourse **Credits: 3**
- ENGL 325 - Language and Culture **Credits: 3**
- ENGL 326 - Schools, Laws, and Language **Credits: 3**

ESL Add-on Licensure (K12) Optional Requirements

NC ESL licensure (K-12) is available for students pursuing initial licensure in another area. NC ESL licensure is available as an add-on license for students receiving primary licensure in any other content area.

To be recommended for licensure, students must successfully complete the following:

- The TESOL minor
 - *Either* the PRAXIS II Teaching English to Speakers of Other Languages exam
- or
- Six additional hours of licensure-related coursework.

PRAXIS Exam Option

Students seeking the NC ESL licensure (K-12) who achieve a successful score on the PRAXIS II Teaching English to Speakers of Other Languages exam can choose this option instead of six hours of additional licensure-related classes. See TESOL program director for information concerning current score requirements.

Two-course (six hour) option

Students can choose six additional hours of coursework selected from the following, instead of the PRAXIS II (see above)

Note: The six-hour requirement is in addition to the 18 hour minor. ESL Courses listed in the minor may be used to satisfy the requirement to obtain add-on licensure only if they are taken in addition to 18 hours of ESL courses completed to satisfy the minor.)

- ENGL 319 - Grammar, Language, and Discourse **Credits: 3**
- ENGL 325 - Language and Culture **Credits: 3**
- ENGL 326 - Schools, Laws, and Language **Credits: 3**
- ENGL 413 - ESL Methods for Content Teachers **Credits: 3**
- ENGL 416 - Teaching English as a Second Language **Credits: 3**
- EDMG 411 - Differentiated Instruction in Middle Grades Education **Credits: 3**

Anthropology, Minor

Total number of hours for the program: 21.

The Anthropology Minor provides a comprehensive survey of the four-field approach and serves as a useful supplement to an undergraduate degree.

Minor Requirements (9 hours)

Take 9 hours consisting of:

- ANTH 110 - Introduction to Archaeology **Credits: 3**
- ANTH 115 - Introduction to Biological Anthropology **Credits: 3**

- ANTH 120 - Introduction to Cultural Anthropology **Credits: 3**

Additional Requirements (12 hours)

Take 12 hours of electives selected from anthropology courses at the 200-level or above. Students may use up to three hours of Native American Studies (NAS) courses as program electives.

Public History, Certificate

Total number of hours for the program: 15.

Students pursuing a public history certificate must complete 12 hours of public history courses and a 3 hour internship course.

Certificate Requirements

Students must choose 12 hours from the following:

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

Note:

History majors may not count these courses for both the major and the certificate. These courses may count towards both the history minor and the public history certificate.

Chemistry (General Concentration), BS

Total number of hours for the program: 120.

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The Chemistry core curriculum requires 47 hours as follows:

- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- CHEM 232 - Quantitative Analysis **Credits: 4**
- CHEM 241 - Organic Chemistry I **Credits: 4**
- CHEM 242 - Organic Chemistry II **Credits: 4**
- CHEM 321 - Inorganic Chemistry **Credits: 3**
- CHEM 352 - Physical Chemistry: Chemical Thermodynamics **Credits: 3**
- CHEM 361 - Principles of Biochemistry **Credits: 3**
- *OR*
- BIOL 361 - Principles of Biochemistry **Credits: 3**

- CHEM 370 - Instrumental Analysis I **Credits: 4**
- CHEM 372 - Chemical Thermodynamics Laboratory **Credits: 1**
- CHEM 495 - Seminar in Chemistry **Credits: 1**
- MATH 153 - Calculus I **Credits: 4**
- PHYS 230 - General Physics I **Credits: 4**
- PHYS 231 - General Physics II **Credits: 4**

General Concentration Requirements (16 hours)

The concentration requires 16 hours as follows:

- MATH 255 - Calculus II **Credits: 4**
- CHEM 471 - Inorganic Syntheses **Credits: 1**
- CHEM 472 - Organic Syntheses **Credits: 1**
Plus 10 hours from the following list (at least 6 hours must be from CHEM)
- CHEM 330 - Aquatic Chemistry **Credits: 4**
- CHEM 411 - Industrial Chemistry **Credits: 3**
- CHEM 421 - Advanced Inorganic Chemistry **Credits: 3**
- CHEM 422 - Organometallics **Credits: 3**
- CHEM 435 - Instrumental Analysis II **Credits: 3**
- CHEM 440 - Synthetic Organic Chemistry **Credits: 3**
- CHEM 441 - Physical Organic Chemistry **Credits: 3**
- CHEM 442 - Introduction to Organic Polymers **Credits: 3**
- CHEM 445 - Structural Determination **Credits: 3**
- CHEM 450 - Advanced Biochemistry **Credits: 3**
- CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy **Credits: 3**
- CHEM 454 - Computer Interfacing **Credits: 3**
- CHEM 455 - Chemometrics **Credits: 3**
- CHEM 461 - Environmental Chemistry **Credits: 3**
- CHEM 462 - Molecular Bioinformatics **Credits: 3**
- CHEM 463 - Molecular Biotechnology **Credits: 3**
- CHEM 464 - Genomics **Credits: 3**
- CHEM 465 - Forensic Chemistry **Credits: 4**
- CHEM 473 - Quantum Chemistry and Spectroscopy Laboratory **Credits: 1**
- CHEM 475 - Biochemistry Laboratory **Credits: 1**
- CHEM 493 - Topics in Chemistry **Credits: 1-3, R6**
- ENVH 310 - Water Quality Control **Credits: 3**
- ENVH 311 - Water Quality Control Laboratory **Credits: 1**
- ENVH 375 - Environmental Toxicology **Credits: 3**
- ENVH 440 - Air Quality Control **Credits: 3**
- GEOL 423 - Contaminated Rivers: Assessment, Remediation, and Restoration **Credits: 3**
- GEOL 465 - Environmental Geochemistry **Credits: 3**
- MATH 320 - Ordinary Differential Equations **Credits: 3**
- MATH 340 - Introduction to Scientific Computing **Credits: 3**
- PHYS 310 - Modern Physics **Credits: 3**
- PHYS 322 - Optics **Credits: 3**
- PHYS 493 - Topics in Physics **Credits: 2-4**

General Electives

General electives (15-24 hours) are required to complete the program depending on the number of hours taken in the major that double count for Liberal Studies. Students must take at least 30 hours at the junior/senior level at WCU to satisfy general university degree requirements.

Additional Information

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

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

Total number of hours for the program: 120.

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements (47 hours)

The Chemistry core curriculum requires 47 hours as follows:

- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- CHEM 232 - Quantitative Analysis **Credits: 4**
- CHEM 241 - Organic Chemistry I **Credits: 4**
- CHEM 242 - Organic Chemistry II **Credits: 4**
- CHEM 321 - Inorganic Chemistry **Credits: 3**
- CHEM 352 - Physical Chemistry: Chemical Thermodynamics **Credits: 3**
- CHEM 361 - Principles of Biochemistry **Credits: 3**
OR
- BIOL 361 - Principles of Biochemistry **Credits: 3**
- CHEM 370 - Instrumental Analysis I **Credits: 4**
- CHEM 372 - Chemical Thermodynamics Laboratory **Credits: 1**
- CHEM 495 - Seminar in Chemistry **Credits: 1**
- MATH 153 - Calculus I **Credits: 4**
- PHYS 130 - Introductory Physics I **Credits: 4**
and
- PHYS 131 - Introductory Physics II **Credits: 4**
OR
- PHYS 230 - General Physics I **Credits: 4**
and
- PHYS 231 - General Physics II **Credits: 4**

Premedical/Biomedical Science and Technology Concentration Requirements

The concentration requires 24 hours as follows:

- BIOL 140 - Principles of Biology I **Credits: 4**
- BIOL 141 - Principles of Biology II **Credits: 4**
- BIOL 240 - Introduction to Genetics **Credits: 4**
- BIOL 333 - Cell and Molecular Biology **Credits: 4**
Plus 8 hours selected from the following (at least 3 hours must be CHEM):
- BIOL 313 - Microbiology in Health and Nutrition **Credits: 4**
- BIOL 411 - Animal Physiology **Credits: 3**
- BIOL 412 - Cellular and Molecular Immunology **Credits: 3**
- BIOL 413 - Principles of General Microbiology **Credits: 4**
- BIOL 414 - Methods of General Microbiology **Credits: 2**
- BIOL 418 - Advanced Techniques in Microscopy **Credits: 4**
- BIOL 419 - Cell Biology **Credits: 3**
- BIOL 421 - Principles of Biotechnology **Credits: 4**
- BIOL 424 - Pharmacology **Credits: 3**
- BIOL 461 - Molecular Medicine **Credits: 3**

- BIOL 467 - Biostatistics **Credits: 3**
- BIOL 474 - Virology **Credits: 4**
- BIOL 478 - Parasitology **Credits: 3**
- CHEM 411 - Industrial Chemistry **Credits: 3**
- CHEM 421 - Advanced Inorganic Chemistry **Credits: 3**
- CHEM 422 - Organometallics **Credits: 3**
- CHEM 435 - Instrumental Analysis II **Credits: 3**
- CHEM 440 - Synthetic Organic Chemistry **Credits: 3**
- CHEM 441 - Physical Organic Chemistry **Credits: 3**
- CHEM 442 - Introduction to Organic Polymers **Credits: 3**
- CHEM 445 - Structural Determination **Credits: 3**
- CHEM 450 - Advanced Biochemistry **Credits: 3**
- CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy **Credits: 3**
- CHEM 455 - Chemometrics **Credits: 3**
- CHEM 461 - Environmental Chemistry **Credits: 3**
- CHEM 462 - Molecular Bioinformatics **Credits: 3**
- CHEM 463 - Molecular Biotechnology **Credits: 3**
- CHEM 464 - Genomics **Credits: 3**
- CHEM 465 - Forensic Chemistry **Credits: 4**
- CHEM 471 - Inorganic Syntheses **Credits: 1**
- CHEM 472 - Organic Syntheses **Credits: 1**
- CHEM 473 - Quantum Chemistry and Spectroscopy Laboratory **Credits: 1**
- CHEM 475 - Biochemistry Laboratory **Credits: 1**
- CHEM 493 - Topics in Chemistry **Credits: 1-3, R6**
- HSCC 322 - Medical Terminology **Credits: 3**
- HSCC 330 - Legal and Legislative Aspects of Health Care **Credits: 3**
- PAR 332 - Biomedical Ethics and Social Justice **Credits: 3**
- PAR 333 - Environmental and Animal Ethics **Credits: 3**

General Electives

General electives (7-16 hours) are required to complete the program depending on the number of hours in the major that double count for Liberal Studies. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university degree requirements. Pre-medical, pre-dental, pre-pharmacy, pre-veterinary, and pre-optometry students should discuss with their advisors the most appropriate electives for their intended professional school. Some examples of electives that may aid in professional school entrance exams and/or satisfy admissions preferences are included below:

- BIOL 241 - Introduction to Ecology and Evolution **Credits: 4**
- BIOL 291 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 292 - Human Anatomy and Physiology II **Credits: 4**
- CS 150 - Problem Solving and Programming I **Credits: 4**
- MATH 255 - Calculus II **Credits: 4**
- MATH 270 - Statistical Methods I **Credits: 3**
- PAR 230 - Legal, Scientific, & Critical Reasoning **Credits: 3**

Additional Information

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

Chemistry, Minor

Total number of hours for the program: 21.

Minor Requirements

The minor in Chemistry requires a minimum of 21 hours as described below. Courses not on the lists below, such as CHEM 101, CHEM 133, and CHEM 495, are not applicable towards a Chemistry Minor.

General Chemistry Coursework

Students must complete 8 credit hours of general chemistry. While CHEM 132 may be used to satisfy the first course in the 100-level chemistry sequence, CHEM 139 is preferred and the typical requirement for other majors requiring the general chemistry sequence.

- CHEM 132 - Survey of Chemistry I **Credits: 4**
OR
- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**

200-Level Coursework

Students must complete at least 8 credit hours of 200-level coursework.

- CHEM 232 - Quantitative Analysis **Credits: 4**
- CHEM 241 - Organic Chemistry I **Credits: 4**
- CHEM 242 - Organic Chemistry II **Credits: 4**

Upper-Level Coursework

Students must complete at least 5 credit hours of coursework from the list below. Courses not on the list below may not count towards the minor in chemistry.

- CHEM 321 - Inorganic Chemistry **Credits: 3**
- CHEM 330 - Aquatic Chemistry **Credits: 4**
- CHEM 352 - Physical Chemistry: Chemical Thermodynamics **Credits: 3**
- BIOL 361 - Principles of Biochemistry **Credits: 3**
OR
- CHEM 361 - Principles of Biochemistry **Credits: 3**
- CHEM 370 - Instrumental Analysis I **Credits: 4**
- CHEM 372 - Chemical Thermodynamics Laboratory **Credits: 1**
- CHEM 411 - Industrial Chemistry **Credits: 3**
- CHEM 421 - Advanced Inorganic Chemistry **Credits: 3**
- CHEM 422 - Organometallics **Credits: 3**
- CHEM 442 - Introduction to Organic Polymers **Credits: 3**
- CHEM 435 - Instrumental Analysis II **Credits: 3**
- CHEM 440 - Synthetic Organic Chemistry **Credits: 3**
- CHEM 441 - Physical Organic Chemistry **Credits: 3**
- CHEM 445 - Structural Determination **Credits: 3**
- CHEM 450 - Advanced Biochemistry **Credits: 3**
- CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy **Credits: 3**
- CHEM 454 - Computer Interfacing **Credits: 3**
- CHEM 455 - Chemometrics **Credits: 3**
- CHEM 461 - Environmental Chemistry **Credits: 3**
- CHEM 462 - Molecular Bioinformatics **Credits: 3**
- CHEM 463 - Molecular Biotechnology **Credits: 3**
- CHEM 464 - Genomics **Credits: 3**
- CHEM 465 - Forensic Chemistry **Credits: 4**
OR
- FS 465 - Forensic Chemistry **Credits: 4**
- CHEM 471 - Inorganic Syntheses **Credits: 1**
- CHEM 472 - Organic Syntheses **Credits: 1**
- CHEM 473 - Quantum Chemistry and Spectroscopy Laboratory **Credits: 1**
- CHEM 475 - Biochemistry Laboratory **Credits: 1**
- CHEM 493 - Topics in Chemistry **Credits: 1-3, R6**

Communication, BS

Total number of hours for the program: 120.

Emphasizing leadership, teamwork, relationship-building, writing, storytelling, and proficiency in the use of digital audio, video, and multi-media production tools, the programs in communication are designed to help develop those skills consistently identified as the most in-demand for success in today's world. Communication majors are required to complete a core program that includes interpersonal skill-building and professional development in their chosen field of study. In addition, students choose a concentration in Broadcasting, Health Communication, Journalism, or Public Relations. With the required minor portion of the program, students are given the ability to customize their studies based on their own personal interests.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

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

Communication Core 19 hours:

Required Practical Course:

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

Required Theory Course:

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

Required Professional Courses:

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

Select two (2) of the following communication courses:

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

Concentrations, 21 hours: Broadcasting:

WCU's Broadcasting concentration emphasizes the creative development and production involved with quality storytelling. Coursework includes instruction in writing, video shooting and editing, audio recording, and working with professional lighting, digital camera equipment and production software. Students also have the opportunity to work and learn in an advanced, network-quality digital television studio and in Jackson County, North Carolina's only FM radio station, comparable to any major market radio station.

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

Select two (2) of the following Broadcasting courses:

- COMM 283 - Radio Practicum I **Credits: 3**
- COMM 284 - Television Practicum I **Credits: 3**
- COMM 354 - Radio Production II **Credits: 3**
- COMM 355 - Television Production II **Credits: 3**
- COMM 383 - Radio Practicum II **Credits: 3**
- COMM 384 - Television Practicum II **Credits: 3**
- COMM 455 - Documentary Production **Credits: 3**
- COMM 458 - Broadcast Sales and Promotion **Credits: 3**
- COMM 493 - Selected Topics in Communication **Credits: 3, R9**
- COMM 494 - Communication Projects **Credits: 1-3, R6**

Select three (3) hours of communication department electives

Health Communication:

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

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

Select one (1) of the following communication courses:

- COMM 204 - Desktop Publishing **Credits: 3, R6**
- COMM 215 - Organizational Communication **Credits: 3**
- COMM 307 - Advertising Writing **Credits: 3**
- COMM 313 - Conflict Resolution **Credits: 3**
- COMM 375 - Communication in Family and Close Relationships **Credits: 3**
- COMM 380 - Social Media Communication Campaigns **Credits: 3**
- COMM 412 - Sex, Sexuality, and Health Communication **Credits: 3**
- COMM 414 - Gender Communication **Credits: 3**
- COMM 493 - Selected Topics in Communication **Credits: 3, R9**
- COMM 494 - Communication Projects **Credits: 1-3, R6**

Journalism:

The Journalism concentration provides the basis for a fascinating and challenging career in a field that is changing daily as digital technology continues to revolutionize the way news is gathered and distributed in today's world. With required coursework that includes training in interviewing, writing, reporting, digital technology, journalism ethics, and investigative research, the program is designed for students to learn and apply the new innovations, best practices, and current skills required to succeed as a working journalist.

- COMM 330 - News Reporting I **Credits: 3**
- COMM 385 - News Practicum I **Credits: 3**
- COMM 430 - News Reporting II **Credits: 3**
- LAW 406 - Media Law **Credits: 3**
- PSC 169 - Global Issues **Credits: 3**

Select two (2) of the following communication courses:

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

Public Relations:

Spanning a variety of industries and organizational settings, today's public relations professionals are responsible for building and maintaining a variety of important relationships for their organizations. The Public Relations concentration is designed to help students develop skills and gain practical, real-world experience in reputation management, crisis communication, integrated marketing communications, media relations, event marketing, public policy influence, and community outreach.

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

Select one (1) communication course from the following:

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

Select three (3) hours of communication department electives

General Requirements

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

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

Computer Science, BS

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 73 credit hours, which includes 16 credit hours in Pre-Computer Science, 43 credit hours in Computer Science and Mathematics, 8 credit hours in the Natural Sciences, and 6 credit hours of major electives.

The approved courses that can be used to fulfill the 8 credit hours of required Natural Sciences also meet the Liberal Studies requirement. Students must be aware that if the 8 credit hours of Natural Sciences required for the major are not taken to meet Liberal Studies requirements, they will still need to be completed for the BS Computer Science degree.

Pre-Computer Science Major Requirements (16 hours)

A grade of C or higher is required for CS 150 and CS 151 as part of completing the prerequisites for the major.

- CS 150 - Problem Solving and Programming I **Credits: 4**
- CS 151 - Problem Solving and Programming II **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- MATH 255 - Calculus II **Credits: 4**

Additional Required Computer Science and Mathematics Courses (43 hours)

A grade of C (2.00) or higher is required for CS 351 and CS 253 to satisfy the requirements for the major.

- CS 253 - Software Development **Credits: 3**
 - CS 260 - Computer Organization **Credits: 3**
 - CS 351 - Data Structures and Algorithms **Credits: 4**
 - CS 352 - Organization of Programming Languages **Credits: 3**
 - CS 353 - Professional Ethics in Computing **Credits: 2**
 - CS 364 - Software Engineering **Credits: 3**
 - CS 370 - Operating Systems **Credits: 3**
 - CS 453 - Database Systems **Credits: 3**
 - CS 465 - Computer Networking **Credits: 3**
 - CS 466 - Information Security I **Credits: 3**
 - CS 495 - Capstone I **Credits: 2**
 - CS 496 - Capstone II **Credits: 2**
 - MATH 250 - Introduction to Logic and Proof **Credits: 3**
 - MATH 310 - Discrete Structures **Credits: 3**
 - MATH 270 - Statistical Methods I **Credits: 3**
- or*
- MATH 370 - Probability and Statistics I **Credits: 3**

Required Natural Science Courses: (8 hours)

Complete 8 hours selected from the following courses.

- BIOL 140 - Principles of Biology I **Credits: 4**
 - BIOL 141 - Principles of Biology II **Credits: 4**
 - CHEM 139 - General Chemistry I **Credits: 4**
 - CHEM 140 - General Chemistry II **Credits: 4**
 - PHYS 130 - Introductory Physics I **Credits: 4**
- or*
- PHYS 230 - General Physics I **Credits: 4**
 - PHYS 131 - Introductory Physics II **Credits: 4**
- or*
- PHYS 231 - General Physics II **Credits: 4**

Major Electives (6 hours)

Six additional hours selected from Computer Science courses numbered 300 or above or from the courses listed below. At least three hours must be from Computer Science courses.

- MATH 441 - Introduction to Numerical Analysis **Credits: 3**
- MATH 450 - Linear Optimization **Credits: 3**
- MATH 475 - Statistical Machine Learning **Credits: 3**

Additional Requirements

Students must complete all liberal studies requirements and general electives as needed to reach the total of 120 hours. At least 30 hours taken at WCU must be at the junior/senior level to meet one of the general university degree requirements. Visit the department's website at <https://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/mathcsdept/index.aspx> to view the eight-semester curriculum guide.

Creative Writing, Minor

Total number of hours for the program: 18.

The Creative Writing minor requires 18 hours, including a three hour core course, nine hours of writing electives, and six hours of English electives.

NOTE: Students pursuing a BA in English may not use an ENGL course for both the major and the minor; double-counting a course between the major and minor is not allowed.

Core (3 hours)

- ENGL 212 - Introduction to Creative Writing and Editing **Credits: 3**

Creative Writing Electives (9 hours)

- ENGL 306 - Nonfiction Writing **Credits: 3**
- ENGL 308 - Fiction Writing **Credits: 3, R6**
- ENGL 309 - Poetry Writing **Credits: 3, R6**
- ENGL 405 - Advanced Creative Writing **Credits: 3**
- ENGL 412 - Grammar for Writers **Credits: 3**
- ENGL 493 - Topics in Creative Writing **Credits: 1-3, R6**
- FTP 329 - Writing the Short Screenplay **Credits: 3**

English Electives (6 hours)

Six hours from any of 300-400 level ENGL class.

Criminal Justice, BS

Total number of hours for the program: 120.

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

Upper-level requirement: For all students, 50 percent of earned degree hours and 50 percent of all courses in the major must be at the 300-/400- level.

Residential Credit: Residential students are not allowed to take distance education courses or select the distance education concentration in Administration of Justice as part of their program.

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

- A cumulative 2.00 GPA or better on all coursework at other colleges or universities
- Completion of an Associate of Arts or an Associate of Science degree from a community college or completion of the "44 General Core" courses that satisfy the General Education/Liberal Studies requirement for a North Carolina community college
- At least one year experience (documentable) in the criminal justice field

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements for Residential Students Only (49 hours)

Major Core Requirements (16 hours)

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

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

Area 1: The Justice System (six hours)

- CJ 204 - Criminal Law **Credits: 3**
- CJ 305 - Social Justice and the Law **Credits: 3**
- CJ 311 - Juvenile Justice and Delinquency **Credits: 3**
- CJ 320 - Police in Society **Credits: 3**
- CJ 330 - Criminal Courts **Credits: 3**
- CJ 340 - Institutional Corrections **Credits: 3**

Area 2: Diversity & Ethics in Criminal Justice (six hours)

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

Area 3: Criminological Issues (six hours)

- CJ 310 - Victimology **Credits: 3**
- CJ 351 - Violence in American Society **Credits: 3**
- CJ 356 - Crime: Relativity and Labeling **Credits: 3**
- CJ 375 - White-Collar Crime **Credits: 3**
- CJ 460 - Drugs and Society **Credits: 3**
- CJ 463 - Life Course Criminology **Credits: 3**

Major Electives* (15 hours)

15 hours required with diverse choices available*, including:

- CJ 275 - Serial Killers **Credits: 3**
- CJ 290 - Introduction to Forensic Science **Credits: 3**
- CJ 315 - Investigative Principles **Credits: 3**
- CJ 323 - Crime Scene Investigations **Credits: 3**
- CJ 342 - Myths and Media in Criminal Justice **Credits: 3**
- CJ 343 - Criminal Procedure and Judicial Process **Credits: 3**
- CJ 365 - Cyber Crimes **Credits: 3**
- CJ 424 - Community Corrections **Credits: 3**
- CJ 425 - Police Practices and Problems **Credits: 3**
- CJ 470 - Criminal Justice Policy **Credits: 3**
- CJ 475 - International Studies in Law and Society **Credits: 3, R6**
- CJ 480 - Independent Study in Criminology & Criminal Justice **Credits: 1-3, R6**
- CJ 483 - Internship in Criminal Justice **Credits: 3-6, R12**
- CJ 493 - Topics in Criminology & Criminal Justice **Credits: 3, R12**
- EDM 350 - Cyber Terrorism **Credits: 3**
- EDM 352 - Disaster and Crime **Credits: 3**
- EDM 358 - Vulnerable Populations and Emergency and Disaster Management **Credits: 3**
- EDM 360 - Asset Protection & Critical Infrastructure **Credits: 3**
- EDM 400 - Missing Persons and Search and Rescue **Credits: 3**
- EDM 405 - GIS and Emergency Mapping **Credits: 3**
- EDM 406 - Incident Management Systems **Credits: 3**
- EDM 410 - Unmanned Aircraft Systems and Emergency and Disaster Management **Credits: 3**
- EDM 435 - Homeland Security **Credits: 3**
- EDM 457 - Terrorism **Credits: 3**

**The 15 hours CJ elective requirement may include additional "area" courses and six hours of credit earned by completion of Basic Law Enforcement Training (BLET).*

- EDM courses may count (double dipping) toward both CJ elective category and EDM minor or EDM major. **A maximum of 9 credit hours from EDM can be applied to the CJ Major Electives requirement.**
- A minimum of 25 hours in the major **must be completed at WCU.**

Administration of Justice Concentration for Distance Learning Students Only (49 hours)

Only students with a minimum one year of experience working in the criminal justice field are admitted to this program.

Major Core requirement (16 hours) as listed above.

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

- CJ 305 - Social Justice and the Law **Credits: 3**
- CJ 343 - Criminal Procedure and Judicial Process **Credits: 3**
- CJ 434 - Legal Liability and Criminal Justice Personnel **Credits: 3**
- CJ 439 - Criminal Justice Management **Credits: 3**
- CJ 470 - Criminal Justice Policy **Credits: 3**

Concentration Electives (nine hours) minimum three of the following:

- CJ 322 - Stress Management in Criminal Justice Professions **Credits: 3**
- CJ 358 - Computer Applications & Criminal Justice **Credits: 3**
- CJ 363 - Geographic Information Systems in Criminal Justice **Credits: 3**
- CJ 365 - Cyber Crimes **Credits: 3**
- CJ 385 - Issues in Correctional Treatment **Credits: 3**
- CJ 425 - Police Practices and Problems **Credits: 3**
- CJ 438 - Minorities, Crime and Social Policy **Credits: 3**
- EDM 350 - Cyber Terrorism **Credits: 3**
- EDM 352 - Disaster and Crime **Credits: 3**
- EDM 358 - Vulnerable Populations and Emergency and Disaster Management **Credits: 3**
- EDM 360 - Asset Protection & Critical Infrastructure **Credits: 3**
- EDM 400 - Missing Persons and Search and Rescue **Credits: 3**
- EDM 406 - Incident Management Systems **Credits: 3**
- EDM 410 - Unmanned Aircraft Systems and Emergency and Disaster Management **Credits: 3**
- EDM 435 - Homeland Security **Credits: 3**
- EDM 457 - Terrorism **Credits: 3**

Additional Major Electives (15 hours)

Take 15 hours of major elective courses and/or additional hours in the Concentration Core or the Concentration Electives. Six hours of credit earned by completion of Basic Law Enforcement Training (BLET) can be used to partially satisfy this requirement. **A maximum of 9 credit hours from EDM can be applied to the Concentration Electives or the Additional Major Electives.**

General Electives (29 hours)

Criminal Justice, Minor

Total number of hours for the program: 21.

Core Requirement (6 hours)

- CJ 150 - Introduction to Criminal Justice & Criminology **Credits: 3**
- CJ 355 - Theories of Crime **Credits: 3**

Area Electives (9 hours)

Take one course from each of the areas listed below for a total of 9 hours.

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 330 - Criminal Courts **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 356 - Crime: Relativity and Labeling **Credits: 3**
- CJ 375 - White-Collar Crime **Credits: 3**
- CJ 460 - Drugs and Society **Credits: 3**
- CJ 463 - Life Course Criminology **Credits: 3**

Additional Electives (6 hours)

Only criminal justice courses or courses beginning with the CJ prefix (e.g., CJ 425) will count towards the CJ Minor Electives requirement.

English, Minor

Total number of hours for the program: 18.

The Minor in English requires eighteen-semester hours of English hours, exclusive of those approved for 100-/200- level Liberal Studies credit.

NOTE: The Minor in English is *not* open to students pursuing a degree in English in any concentration.

18 Semester hours selected from the following English courses:

The minor requires 18 hours of English courses, exclusive of those courses approved for 100-/200- level Liberal Studies credit.

- ENGL 212 - Introduction to Creative Writing and Editing **Credits: 3**
- ENGL 213 - Introduction to Professional Writing and Editing **Credits: 3**
- 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 304 - Writing for Electronic Environments **Credits: 3**
- ENGL 306 - Nonfiction Writing **Credits: 3**
- ENGL 307 - Professional Editing and Publishing **Credits: 3**
- ENGL 308 - Fiction Writing **Credits: 3, R6**
- ENGL 309 - Poetry Writing **Credits: 3, R6**
- ENGL 312 - Grammar for Teachers **Credits: 3**
- ENGL 313 - Authoring Multimedia **Credits: 3, R6**
- ENGL 315 - Proposal and Grant Writing **Credits: 3**
- ENGL 319 - Grammar, Language, and Discourse **Credits: 3**
- ENGL 325 - Language and Culture **Credits: 3**
- ENGL 326 - Schools, Laws, and Language **Credits: 3**
- ENGL 333 - Introduction to Shakespeare **Credits: 3**
- ENGL 350 - The Renaissance **Credits: 3**
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature **Credits: 3**
- ENGL 352 - The Journey in Literature **Credits: 3**

- ENGL 353 - Stories Retold **Credits: 3**
- ENGL 363 - Globalization and Global Literatures **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 367 - Appalachian Literature **Credits: 3**
- ENGL 368 - Film Genres **Credits: 3, R6**
- ENGL 378 - Motion Picture Histories **Credits: 3**
- ENGL 389 - Cooperative Education: Professional Writing **Credits: 1 or 3, R15**
- ENGL 390 - The Bible as Literature **Credits: 3**
- ENGL 394 - Film Adaptation **Credits: 3, R6**
- ENGL 401 - Writing for Careers **Credits: 3**
- ENGL 402 - Technical Writing **Credits: 3**
- ENGL 405 - Advanced Creative Writing **Credits: 3**
- ENGL 412 - Grammar for Writers **Credits: 3**
- ENGL 413 - ESL Methods for Content Teachers **Credits: 3**
- ENGL 414 - Fundamentals of Teaching Composition **Credits: 3**
- ENGL 416 - Teaching English as a Second Language **Credits: 3**
- ENGL 415 - Applied Linguistics **Credits: 3**
- ENGL 419 - Medieval Literature **Credits: 3**
- ENGL 420 - Chaucer and His Age **Credits: 3**
- ENGL 421 - Fairy Tale, Myth, and Legend **Credits: 3**
- ENGL 429 - Studies in Professional Writing **Credits: 3, R6**
- 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 450 - Seminar in English Studies **Credits: 3, R6**
- ENGL 451 - Nineteenth-Century British Writers **Credits: 3**
- ENGL 459 - Southern 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 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 474 - Literary Theory **Credits: 3**
- ENGL 475 - Modernism and the Little Magazine **Credits: 3**
- ENGL 477 - Literature, Gender, and Culture **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 493 - Topics in Creative Writing **Credits: 1-3, R6**
- ENGL 496 - Seminar in World Literature **Credits: 3**
- ENGL 498 - Jobs in the Changing Workplace **Credits: 3**

Environmental Science (Interdisciplinary), BS

Total number of hours for the program: 120.

Rigor and customization are the hallmarks of WCU's interdisciplinary B.S. in Environmental Science. The major includes a core, taken by all students, consisting of solid foundations in biology, chemistry, geology, and geospatial analysis, as well as a sequence of four courses just for Environmental Science majors, from the freshman introduction to the senior capstone. This core is complemented by a set of categories—such as "Environmental Health" and "Environmental Policy"—which allows for increasing course choice in how students build their major. But the full potential for individually-tailored study comes with the upper-level electives, where students may take any upper-level course in the university relevant to their intended environmental career path.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements (66-69 hours)

A GPA of 2.00 or higher is required in the major. Students will complete a 2-year plan in ES 250 to guide their choice of coursework.

The major requires 66-69 hours as follows:

Foundations and Core in Environmental Science (35 hours)

All majors must take these courses:

- BIOL 141 - Principles of Biology II **Credits: 4**
BIOL 140 pre-req is waived for students in the Environmental Science program.
- BIOL 241 - Introduction to Ecology and Evolution **Credits: 4**
BIOL 240 pre-req is waived for students in the Environmental Science program.
- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- ES 150 - Introduction and Approaches to Environmental Science **Credits: 4**
- ES 250 - Seminal Readings in Environmental Sciences **Credits: 1**
- ES 350 - Seminar in Energy, Economics, and the Environment **Credits: 1**
- ES 495 - Senior Research Seminar in Environmental Science **Credits: 3**
- GEOL 151 - Earth: Geology, Resources, Hazards, and Environment **Credits: 3**
- GEOG 221 - Introduction to Geospatial Analysis **Credits: 3**
- (MATH 146 - Precalculus II **Credits: 4**
or
MATH 153 - Calculus I **Credits: 4**)

Categories

At least one course in each category must be taken. Additional courses in the same category will count toward the Program Electives.

Environmental Health (3 hours)

Choose one from the following list:

- ENVH 310 - Water Quality Control **Credits: 3**
- ENVH 375 - Environmental Toxicology **Credits: 3**
- ENVH 440 - Air Quality Control **Credits: 3**

Environmental Policy (3 hours)

Choose one from the following list:

- ECON 310 - Natural Resource Economics **Credits: 3**
- ENVH 412 - Solid and Hazardous Materials Management **Credits: 3**
- PSC 326 - Natural Resources Policy and Administration **Credits: 3**
- PSC 354 - International Environmental Politics **Credits: 3**

Environment and Society (3 hours)

Choose one from the following list:

- ANTH 351 - Environmental Anthropology **Credits: 3**
- HIST 460 - Environmental History **Credits: 3**
- PAR 330 - America's Wilderness Ethics and Aesthetics **Credits: 3**
- PAR 333 - Environmental and Animal Ethics **Credits: 3**
- SOC 371 - Environmental Sociology **Credits: 3**

Statistical Methods (3-4 hours)

Choose one from the following list:

- BIOL 467 - Biostatistics **Credits: 3**
- CHEM 232 - Quantitative Analysis **Credits: 4**
- MATH 270 - Statistical Methods I **Credits: 3**

Advanced Field Science (3-4 hours)

Choose one from the following list:

- BIOL 375 - Methods in Ecology and Evolution **Credits: 4**
- BIOL 435 - Aquatic Ecology **Credits: 4**
- GEOL 302 - Geomorphology **Credits: 4**
- GEOL 305 - Soils and Hydrology **Credits: 4**
- NRM 330 - Introduction to Fish and Wildlife Ecology and Management **Credits: 3**

Environmental Analysis (3-4 hours)

Choose one from the following list:

- CHEM 330 - Aquatic Chemistry **Credits: 4**
- GEOL 465 - Environmental Geochemistry **Credits: 3**

Program Electives (13 hours)

Program electives must include 13 hours of 300- or 400-level courses that meet any of the following three options:

1. Any courses listed in the Categories not used to fulfill the category requirement can be used as program electives.
2. Any 300- or 400-level courses approved by your advisor can be used as program electives.
3. Any course from the list below can be used as program electives.

- BIOL 304 - General Ecology **Credits: 3**
- BIOL 441 - Conservation Biology **Credits: 3**
- CHEM 370 - Instrumental Analysis I **Credits: 4**
- CHEM 435 - Instrumental Analysis II **Credits: 3**
- CHEM 461 - Environmental Chemistry **Credits: 3**
- COMM 313 - Conflict Resolution **Credits: 3**
- ENVH 311 - Water Quality Control Laboratory **Credits: 1**
- ENVH 450 - Air Quality Control Lab **Credits: 1**
- ES 480 - Independent Study **Credits: 1-3, R6**
- ES 483 - Internship in Environmental Science **Credits: 1-3, R6**
- ES 493 - Topics in Environmental Science **Credits: 1-3, R6**
- GEOG 324 - Introduction to Remote Sensing **Credits: 4**
- GEOL 405 - Hydrogeology **Credits: 4**
- GEOL 410 - Fluvial Geomorphology **Credits: 3**
- GEOL 423 - Contaminated Rivers: Assessment, Remediation, and Restoration **Credits: 3**
- GEOL 455 - Wetlands **Credits: 3**
- HSCC 472 - Principles of Epidemiology **Credits: 3**
- MATH 370 - Probability and Statistics I **Credits: 3**
- MATH 375 - Statistical Methods II **Credits: 3**
- NRM 320 - Soil Conservation **Credits: 3**
- NRM 344 - Applied Geographic Information Systems **Credits: 4**
- NRM 351 - Forest Ecology **Credits: 3**
- NRM 444 - Applied Geographic Information Systems **Credits: 4**
- NRM 460 - Watershed Management **Credits: 3**
- NRM 476 - Contemporary Fisheries **Credits: 4**
- or*
- BIOL 476 - Contemporary Fisheries **Credits: 4**
- NRM 479 - Mammalogy **Credits: 4**
- or*
- BIOL 479 - Mammalogy **Credits: 4**
- PRM 321 - Introduction to Environmental Interpretation **Credits: 3**
- SOC 385 - Methods of Social Research **Credits: 3**

General Electives (8-23 hours)

General electives (9 to 24 hours, depending on the number of courses in the major which are also used for the Liberal Studies program) are required to complete the degree.

To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Visit the department's website at <https://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/gnr/environmental-science.aspx>

Forensic Anthropology, Minor

Total number of hours for the program: 21.

The forensic anthropology minor includes theoretical and methodological applications of anthropological contributions to medicolegal investigations. The required courses for this minor will: introduce students to the holistic discipline of anthropology and the applied scope of forensic anthropology; provide essential training in human osteology; and focus on practical applications of forensic anthropological knowledge.

Minor Requirements (18 hours)

Take 18 hour consisting of

- ANTH 110 - Introduction to Archaeology **Credits: 3**
- ANTH 115 - Introduction to Biological Anthropology **Credits: 3**
- ANTH 120 - Introduction to Cultural Anthropology **Credits: 3**
- ANTH 251 - Introduction to Forensic Anthropology **Credits: 3**
- ANTH 300 - Human Osteology **Credits: 3**
- ANTH 400 - Forensic Anthropology Method and Theory **Credits: 3**

Additional Requirements (3 hours)

Take 3 hours of electives selected from anthropology courses at the 300-level or above or 3 hours of Native American Studies (NAS) courses.

Forensic Science (Interdisciplinary), BS

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements, 73 hours as follows

Core Science Courses: (31 hours)

- BIOL 140 - Principles of Biology I **Credits: 4**
- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- CHEM 241 - Organic Chemistry I **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- MATH 270 - Statistical Methods I **Credits: 3**
- PHYS 130 - Introductory Physics I **Credits: 4**
OR
- PHYS 230 - General Physics I **Credits: 4**
- PHYS 131 - Introductory Physics II **Credits: 4**
OR
- PHYS 231 - General Physics II **Credits: 4**

Additional Forensics and Science Courses: (21 hours)

Students must take an additional 21 hours of Forensics and Science courses. 18 hours should be from the following list:

- CJ 150 - Introduction to Criminal Justice & Criminology **Credits: 3**
- CJ 323 - Crime Scene Investigations **Credits: 3**
- CHEM 242 - Organic Chemistry II **Credits: 4**
- BIOL 361 - Principles of Biochemistry **Credits: 3**
OR

- CHEM 361 - Principles of Biochemistry **Credits: 3**
- CHEM 475 - Biochemistry Laboratory **Credits: 1**
OR
- CHEM 575 - Biochemistry Laboratory **Credits: 1**
- FS 466 - Physical Methods in Forensic Science **Credits: 3**
- FS 495 - Seminar in Forensic Science **Credits: 1**

Forensic Science students must complete 3 semester hours from the following:

- CJ 305 - Social Justice and the Law **Credits: 3**
- CJ 343 - Criminal Procedure and Judicial Process **Credits: 3**
- CJ 370 - Ethics in Criminal Justice **Credits: 3**
- FS 110 - Survey in Forensic Science **Credits: 3**
- LAW 201 - Individual Rights **Credits: 3**
- PAR 230 - Legal, Scientific, & Critical Reasoning **Credits: 3**
- PAR 313 - Philosophy of Law **Credits: 3**
- PAR 366 - Science, Religion & Knowledge **Credits: 3**

One concentration selected from Biology or Chemistry (21 hours)

Forensic Biology Concentration

The concentration requires a total of 21 hours. Students must take the following (15 hours):

- BIOL 240 - Introduction to Genetics **Credits: 4**
- BIOL 330 - Population Genetics for Forensic Science **Credits: 3**
OR
- FS 330 - Population Genetics for Forensic Science **Credits: 3**
- BIOL 333 - Cell and Molecular Biology **Credits: 4**
- FS 422 - Forensic Biology **Credits: 4**
OR
- BIOL 422 - Forensic Biology **Credits: 4**

AND choose two from the following (6 hours)

- BIOL 412 - Cellular and Molecular Immunology **Credits: 3**
- BIOL 413 - Principles of General Microbiology **Credits: 4**
- BIOL 414 - Methods of General Microbiology **Credits: 2**
- BIOL 415 - Plant Physiology **Credits: 3**
- BIOL 416 - Plant Molecular Biology **Credits: 3**
- BIOL 418 - Advanced Techniques in Microscopy **Credits: 4**
- BIOL 419 - Cell Biology **Credits: 3**
- BIOL 420 - Darwin's Origin of Species **Credits: 3**
- BIOL 421 - Principles of Biotechnology **Credits: 4**
- BIOL 424 - Pharmacology **Credits: 3**
- BIOL 425 - Flora of the Southern Appalachians **Credits: 4**
- BIOL 433 - Ecological Co-Adaptations **Credits: 4**
- BIOL 434 - Terrestrial Landscape Ecology **Credits: 4**
- BIOL 435 - Aquatic Ecology **Credits: 4**
- BIOL 441 - Conservation Biology **Credits: 3**
- BIOL 453 - Principles of Systematics **Credits: 3**
- BIOL 455 - Vascular Plants **Credits: 4**
- BIOL 467 - Biostatistics **Credits: 3**
- BIOL 470 - Biology of Arthropods **Credits: 4**
- BIOL 471 - Animal Behavior **Credits: 4**
- BIOL 472 - Ornithology **Credits: 4**
- BIOL 473 - Microbial Ecology **Credits: 4**
- BIOL 475 - Animal Development **Credits: 4**
- BIOL 476 - Contemporary Fisheries **Credits: 4**
- BIOL 477 - Herpetology **Credits: 4**
- BIOL 480 - Research in Biology **Credits: 1-3, R6**
- BIOL 493 - Studies in Biology **Credits: 1-6, R12**
- BIOL 498 - Senior Thesis I **Credits: 2**

- BIOL 499 - Senior Thesis II **Credits: 1**
- CHEM 450 - Advanced Biochemistry **Credits: 3**
OR
- CHEM 550 - Advanced Biochemistry **Credits: 3**
- CHEM 462 - Molecular Bioinformatics **Credits: 3**
OR
- CHEM 562 - Molecular Bioinformatics **Credits: 3**
- CHEM 463 - Molecular Biotechnology **Credits: 3**
OR
- CHEM 563 - Molecular Biotechnology **Credits: 3**
- FS 493 - Topics in Forensic Science **Credits: 1-4, R9**
- CHEM 464 - Genomics **Credits: 3**
OR
- CHEM 564 - Genomics **Credits: 3**
- FS 380 - Research in Forensic Science **Credits: 1-3, R15**
- FS 388 - Internship in Forensic Science **Credits: 1-3, R9**
- FS 389 - Cooperative Education in Forensic Science **Credits: 3**

Forensic Chemistry Concentration

The concentration requires a total of 21 hours. Students must take the following (15 hours):

- CHEM 232 - Quantitative Analysis **Credits: 4**
- CHEM 352 - Physical Chemistry: Chemical Thermodynamics **Credits: 3**
- CHEM 370 - Instrumental Analysis I **Credits: 4**
- FS 465 - Forensic Chemistry **Credits: 4**
OR
- CHEM 465 - Forensic Chemistry **Credits: 4**
OR
- CHEM 565 - Forensic Chemistry **Credits: 4**

AND choose two from the following (6 hours)

- CHEM 321 - Inorganic Chemistry **Credits: 3**
- CHEM 380 - Research in Chemistry **Credits: 1-3, R12**
- CHEM 421 - Advanced Inorganic Chemistry **Credits: 3**
OR
- CHEM 521 - Advanced Inorganic Chemistry **Credits: 3**
- CHEM 435 - Instrumental Analysis II **Credits: 3**
OR
- CHEM 535 - Instrument Analysis II **Credits: 3**
- CHEM 440 - Synthetic Organic Chemistry **Credits: 3**
OR
- CHEM 540 - Synthetic Organic Chemistry **Credits: 3**
- CHEM 441 - Physical Organic Chemistry **Credits: 3**
OR
- CHEM 541 - Physical Organic Chemistry **Credits: 3**
- CHEM 442 - Introduction to Organic Polymers **Credits: 3**
OR
- CHEM 542 - Introduction to Organic Polymers **Credits: 3**
- CHEM 445 - Structural Determination **Credits: 3**
OR
- CHEM 545 - Structural Determination **Credits: 3**
- CHEM 450 - Advanced Biochemistry **Credits: 3**
OR
- CHEM 550 - Advanced Biochemistry **Credits: 3**
- CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy **Credits: 3**
OR
- CHEM 553 - Physical Chemistry: Quantum Chemistry and Spectroscopy **Credits: 3**

- CHEM 454 - Computer Interfacing **Credits: 3**
OR
- CHEM 554 - Computer Interfacing **Credits: 3**
- CHEM 455 - Chemometrics **Credits: 3**
OR
- CHEM 555 - Chemometrics **Credits: 3**
- CHEM 461 - Environmental Chemistry **Credits: 3**
OR
- CHEM 561 - Environmental Chemistry **Credits: 3**
- CHEM 462 - Molecular Bioinformatics **Credits: 3**
OR
- CHEM 562 - Molecular Bioinformatics **Credits: 3**
- CHEM 463 - Molecular Biotechnology **Credits: 3**
OR
- CHEM 563 - Molecular Biotechnology **Credits: 3**
- CHEM 464 - Genomics **Credits: 3**
OR
- CHEM 564 - Genomics **Credits: 3**
- CHEM 472 - Organic Syntheses **Credits: 1**
OR
- CHEM 572 - Organic Syntheses **Credits: 1**
- CHEM 493 - Topics in Chemistry **Credits: 1-3, R6**
OR
- CHEM 593 - Topics in Chemistry **Credits: 1-3 Lecture, 0-3 lab or seminar**
- FS 380 - Research in Forensic Science **Credits: 1-3, R15**
- FS 388 - Internship in Forensic Science **Credits: 1-3, R9**
- FS 389 - Cooperative Education in Forensic Science **Credits: 3**
- FS 493 - Topics in Forensic Science **Credits: 1-4, R9**

Electives

General electives (5-17 hours) are required to complete the program (depending on the number of hours in the major that also count for Liberal Studies). Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university degree requirements. Though not required and depending on the desired career path, students may wish to consider some or all of the following electives to aid in their development as a professional forensic scientist and/or to prepare for further professional, post-baccalaureate training.

- ANTH 251 - Introduction to Forensic Anthropology **Credits: 3**
- ANTH 333 - Medicolegal Death Investigation **Credits: 3**
- BIOL 291 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 292 - Human Anatomy and Physiology II **Credits: 4**
- CS 150 - Problem Solving and Programming I **Credits: 4**
- CS 151 - Problem Solving and Programming II **Credits: 4**
- PSY 375 - Forensic Psychology **Credits: 3**
- PSY 470 - Abnormal Psychology **Credits: 3**

Additional Information

Visit the Forensic Science Program website at forensicscience.wcu.edu to view the eight-semester curriculum guide.

Geology, BS

Total number of hours for the program: 120.

A geology degree offers a rich, diverse educational experience while opening doors for meaningful careers in earth and environmental science. Geologists meaningfully contribute to solutions to many societal problems, such as finding new and useful earth resources, minimizing earth hazards such as landslides, securing clean water resources, restoring degraded streams and wetlands, learning how and why the climate is changing

today and in the past, investigating major extinctions in the past and present, recreating past tectonic events to gain insights on mountain belts and hazards today, and even looking beyond earth to study planetary bodies.

At Western, our students get experience actually doing geology and are supported by faculty and fellow students in the classroom and lab, at our on-campus hydrological research station, and on many outdoor field trips. All geology majors get an internship-like research experience to solve a real-world geological problem and communicate their results to the professional community. Most alumni pursue geosciences careers, such as work in environmental fields, for government agencies, in K-12 education, and in energy resources. About one-quarter of alumni go on to graduate school for advanced degrees in geosciences or in other professional programs.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 64 hours, including 24 hours in core courses and 40 hours in a concentration.

Core Courses (24 hours)

- GEOL 141 - Earth History and Prehistoric Life **Credits: 3**
- GEOL 145 - Climate Change and Water Resources **Credits: 3**
- GEOL 151 - Earth: Geology, Resources, Hazards, and Environment **Credits: 3**
- GEOL 250 - Introduction to the Rock Forming Minerals **Credits: 3**
- GEOL 302 - Geomorphology **Credits: 4**
or
- GEOL 305 - Soils and Hydrology **Credits: 4**
- GEOL 371 - Structural Geology **Credits: 4**
or
- GEOL 422 - Sedimentation and Stratigraphy **Credits: 4**
- GEOL 495 - Senior Seminar in Geology **Credits: 3**
or at least three hours of
- GEOL 499 - Senior Thesis **Credits: 2-4, R6**

Concentrations - Choose one (40 hours)

Environmental Hydrology Concentration

Geology Coursework (7-8 hours)

Take two courses from the list below that do not duplicate a course taken to satisfy the core requirement.

- GEOL 302 - Geomorphology **Credits: 4**
- GEOL 305 - Soils and Hydrology **Credits: 4**
- GEOL 405 - Hydrogeology **Credits: 4**
- GEOL 410 - Fluvial Geomorphology **Credits: 3**

Foundation Sciences and Math (18-20 hours)

Sciences

- CHEM 139 - General Chemistry I **Credits: 4**
- PHYS 130 - Introductory Physics I **Credits: 4**
or
- PHYS 230 - General Physics I **Credits: 4**
- GEOL 465 - Environmental Geochemistry **Credits: 3**
or
- CHEM 140 - General Chemistry II **Credits: 4**
or
- CHEM 330 - Aquatic Chemistry **Credits: 4**
or
- PHYS 131 - Introductory Physics II **Credits: 4**

- or
- PHYS 231 - General Physics II **Credits: 4**
- Math**
- MATH 146 - Precalculus II **Credits: 4**
and one of the following three math courses:
- MATH 153 - Calculus I **Credits: 4**
- or
- MATH 170 - Applied Statistics **Credits: 3**
- or
- MATH 270 - Statistical Methods I **Credits: 3**

Upper-Level Science and Math Electives (12-15 hours)

Upper-level electives in geology, other sciences, or mathematics chosen in consult with advisor. Potential courses are listed below.

- GEOL 423 - Contaminated Rivers: Assessment, Remediation, and Restoration **Credits: 3**
- GEOL 455 - Wetlands **Credits: 3**

Solid Earth Concentration

Geology Coursework (7-8 hours)

Take two courses from the list below that do not duplicate a course taken to satisfy the core requirement.

- GEOL 355 - Petrology **Credits: 4**
- GEOL 371 - Structural Geology **Credits: 4**
- GEOL 422 - Sedimentation and Stratigraphy **Credits: 4**
- GEOL 471 - Tectonics **Credits: 3**

Foundation Sciences and Math (18-20 hours)

Sciences

- CHEM 139 - General Chemistry I **Credits: 4**
- PHYS 130 - Introductory Physics I **Credits: 4**
- or
- PHYS 230 - General Physics I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- or
- GEOL 465 - Environmental Geochemistry **Credits: 3**
- or
- CHEM 232 - Quantitative Analysis **Credits: 4**
- or
- PHYS 131 - Introductory Physics II **Credits: 4**
- or
- PHYS 231 - General Physics II **Credits: 4**

Math

- MATH 146 - Precalculus II **Credits: 4**
and one of the following three math courses:
- MATH 153 - Calculus I **Credits: 4**
- or
- MATH 170 - Applied Statistics **Credits: 3**
- or
- MATH 270 - Statistical Methods I **Credits: 3**

Upper Level Math and Science Electives (12-15 hours)

Upper-level electives in geology, other sciences, or mathematics chosen in consult with advisor.

Interdisciplinary Concentration

Geology Coursework (7 hours)

Take 7 hours of upper-level geology courses that do not duplicate a course used to satisfy the core requirement.

Foundation Sciences and Math (15-16 hours)

Science

- CHEM 139 - General Chemistry I **Credits: 4**
- BIOL 140 - Principles of Biology I **Credits: 4**
- *or*
- PHYS 130 - Introductory Physics I **Credits: 4**
- *or*
- PHYS 230 - General Physics I **Credits: 4**

Math

- MATH 146 - Precalculus II **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- *or*
- MATH 170 - Applied Statistics **Credits: 3**
- *or*
- MATH 270 - Statistical Methods I **Credits: 3**

Upper Level Math and Science Electives (17-18 hours)

Upper-level electives in geology, other sciences, or mathematics chosen in consult with advisor. At least nine hours must from an approved set of coherent courses outside of geology.

General Electives (14-23 hours)

Take 14-23 hours of general electives depending on the number of hours taken in the major that also meet liberal studies requirements.

Additional Requirements

To meet one of the general university degree requirements, at least 30 hours of the courses taken at WCU must be at the junior/senior level.

Note: Students planning to pursue graduate work are strongly urged to consult with their advisor to learn of courses that may be required for their area of interest. Some geology graduate programs may require additional coursework in math, chemistry, or physics, and some may require field camp.

Additional Information

Visit the geology program's website at geology.wcu.edu.

Geology, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including the following:

Core

Take any two of three core courses (6 credits)

- GEOL 141 - Earth History and Prehistoric Life **Credits: 3**
- GEOL 145 - Climate Change and Water Resources **Credits: 3**
- GEOL 151 - Earth: Geology, Resources, Hazards, and Environment **Credits: 3**

Electives

12 additional Geology course credits, 9 of which should be 200-level or above. To pick electives best suited to your career goals, please discuss your options with a Geology faculty member.

History, BA

Total number of hours for the program: 120.

The history degree trains students to connect their personal and local history to regional, national, and global histories. It combines significant academic training in analysis, written and oral communication, and critical thinking with internship opportunities in the public-school classroom, public history institutions, and government, academic, non-profit, spiritual, and corporate institutions. Students completing this degree leave with skills and experiences that train them to be contributing members of society and a global economy.

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

Survey Courses (9 hours)

Students will take three hours from each of the following areas: U.S. History, European History, and ALAMEA (African, Latin American, Middle Eastern, and Asian history).

European History (three hours chosen from the following):

- HIST 220 - Ancient Empires: 3000 BCE-300 CE **Credits: 3**
- HIST 221 - The Birth of Europe: 312-1517 **Credits: 3**
- HIST 222 - European History Since 1517 **Credits: 3**
- HIST 281 - Transformations in European Religious History **Credits: 3**

ALAMEA (three hours chosen from the following):

- HIST 210 - African History to 1880 **Credits: 3**
- HIST 211 - African History Since 1880 **Credits: 3**
- HIST 212 - Latin American History I **Credits: 3**
- HIST 213 - Latin American History II **Credits: 3**
- HIST 218 - Modern Asia **Credits: 3**

US History (three hours chosen from the following):

- HIST 233 - U.S. Legal History **Credits: 3**
- HIST 234 - Immigration and Ethnicity in U.S. History **Credits: 3**
- HIST 235 - The History of American Sports **Credits: 3**
- HIST 236 - Native American Lives **Credits: 3**
- HIST 237 - African American History **Credits: 3**
- HIST 238 - History of American Pop Culture: Music, Movies, and Media **Credits: 3**
- HIST 250 - Urban History: Cities and Suburbs in the United States **Credits: 3**
- HIST 271 - Religion in America **Credits: 3**

Note: For dual-degree students seeking a BA in History and a BSED in Social Science Education, HIST 395 will be double counted as an upper-level division elective course in the history major. It is a requirement in the BSED program in Social Science Education.

Modern Foreign Language Requirement (6 hours)

WLL 231-232 or 240 (six hours)

Methods Credits (6 hours)

Students will take six hours of methods courses:

- HIST 297 - Sophomore Seminar **Credits: 3**
Three hours from one of the following Advanced Methods/Capstone Course
 - HIST 483 - Public/Applied History Capstone Internship **Credits: 3**
- or*

- HIST 491 - Supervised Student Teaching in Social Sciences, 9-12 **Credits: 3**
or
- 400-Level Capstone Designated Seminar Course (three hours)

Upper Division Electives (18 hours)

Six courses (18 hours) of 300/400 level electives to include three hours in United States History, three hours in European History, and three hours in ALAMEA (African, Latin American, Middle Eastern, and Asia). Students must have three hours of 400-level electives (in addition to the three hours of methods/capstone listed in the methods credit section above).

Additional Requirements

To complete the program, a total of 39 hours is required, including a minor, a second major, or another approved program and general electives. To meet the general university degree requirements, at least 30 hours of the courses taken at WCU must be at the junior-senior level. Students should consult their advisors during the term before their senior year to create a plan for their Capstone Course. Visit the department's website at <http://www.wcu.edu/learn/departments-schools-colleges/cas/humanities/history> to view the eight-semester curriculum guide.

History, BS

Total number of hours for the program: 120.

The history degree trains students to connect their personal and local history to regional, national, and global histories. It combines significant academic training in analysis, written and oral communication, and critical thinking with internship opportunities in the public-school classroom, public history institutions, and government, academic, non-profit, spiritual, and corporate institutions. Students completing this degree leave with skills and experiences help them become contributing members of society and of a global economy.

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements (3 hours)

Math Requirement (3 hours)

- MATH 170 - Applied Statistics **Credits: 3**

Survey Credits (9 hours)

Students will take three hours from each of the following areas: U.S. History, European History, and ALAMEA (African, Latin American, Middle Eastern, and Asian history).

European History (three hours chosen from the following):

- HIST 220 - Ancient Empires: 3000 BCE-300 CE **Credits: 3**
- HIST 221 - The Birth of Europe: 312-1517 **Credits: 3**
- HIST 222 - European History Since 1517 **Credits: 3**
- HIST 281 - Transformations in European Religious History **Credits: 3**

ALAMEA (three hours chosen from the following):

- HIST 210 - African History to 1880 **Credits: 3**
- HIST 211 - African History Since 1880 **Credits: 3**
- HIST 212 - Latin American History I **Credits: 3**
- HIST 213 - Latin American History II **Credits: 3**
- HIST 218 - Modern Asia **Credits: 3**

US History (three hours chosen from the following):

- HIST 233 - U.S. Legal History **Credits: 3**

- HIST 234 - Immigration and Ethnicity in U.S. History **Credits: 3**
- HIST 235 - The History of American Sports **Credits: 3**
- HIST 236 - Native American Lives **Credits: 3**
- HIST 237 - African American History **Credits: 3**
- HIST 238 - History of American Pop Culture: Music, Movies, and Media **Credits: 3**
- HIST 250 - Urban History: Cities and Suburbs in the United States **Credits: 3**
- HIST 271 - Religion in America **Credits: 3**

Methods Credits (6 hours)

Students will take six hours of methods courses:

- HIST 297 - Sophomore Seminar **Credits: 3**
One of the following Advanced Methods/Capstone Courses (three hours):
- HIST 483 - Public/Applied History Capstone Internship **Credits: 3**
or
- HIST 491 - Supervised Student Teaching in Social Sciences, 9-12 **Credits: 3**
or
- 400-Level Capstone designated Seminar Course (three hours)

Upper Division Electives (18 hours)

18 hours of 300/400 level electives to include three hours in United States History, three hours in European History, three hours in ALAMEA History. Students must take three hours at the 400 level (in addition to the Capstone Hours listed in the Methods Credits section above).

Note: For dual-degree students seeking a BS in History and a BSED in Social Science Education, HIST 395 will be double counted as an upper-level division elective course in the history major. It is a requirement in the BSED program in Social Science Education.

Additional Requirements

To complete the program, a total of 42 hours is required, including a minor, second major, or other approved program and general electives. To meet one of the general university degree requirements, at least 30 hours of the courses taken at WCU must be at the junior/senior level. Students should consult their advisors during the term before their senior year to create a plan for their Capstone Course. Visit the department's website at <https://www.wcu.edu/learn/departments-schools-colleges/cas/humanities/history/> to view the eight-semester curriculum guide.

International Studies (Interdisciplinary), Minor

The Minor in International Studies provides students with the skills necessary to function in a globally interconnected society.

Minor Requirements

The minor requires the following course (3 hours):

- INST 200 - Introduction to International Studies **Credits: 3**

Additional Requirements

An additional five courses (15 hours) are required from the following list. The chosen curriculum may not include courses that fall within a student's major.

- ANTH 327 - Economic Anthropology **Credits: 3**
- ANTH 362 - Southeastern Archaeology **Credits: 3**
- ANTH 431 - North American Archaeology **Credits: 3**
- ANTH 461 - Indigenous Cultures of North America **Credits: 3**
- ANTH 465 - Cultures of Latin America **Credits: 3**
- CJ 354 - Comparative Criminal Justice Systems **Credits: 3**
- CJ 475 - International Studies in Law and Society **Credits: 3, R6**

- COMM 431 - International Reporting **Credits: 3**
- ENGL 242 - Cultural Studies & Non-Western World Literature **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 496 - Seminar in World Literature **Credits: 3**
- GEOG 350 - Economic Geography **Credits: 3**
- GEOG 440 - Regional Geography **Credits: 3, R12**
- GEOG 444 - Political Geography **Credits: 3**
- HIST 210 - African History to 1880 **Credits: 3**
- HIST 211 - African History Since 1880 **Credits: 3**
- HIST 218 - Modern Asia **Credits: 3**
- HIST 281 - Transformations in European Religious History **Credits: 3**
- HIST 301 - Modern Chinese History: From the Middle Kingdom to the People's Republic **Credits: 3**
- HIST 302 - India in the Modern World **Credits: 3**
- HIST 303 - The African Diaspora **Credits: 3**
- HIST 317 - History of 20th Century International Relations **Credits: 3**
- HIST 330 - Modern Germany **Credits: 3**
- HIST 335 - History of Capitalism **Credits: 3**
- HIST 352 - Cherokee History **Credits: 3**
- HIST 375 - Middle East Since Mohammed **Credits: 3**
- HIST 401 - History of Sexualities in Africa **Credits: 3**
- HIST 402 - History of Peace and Conflict in Africa **Credits: 3**
- HIST 415 - Early Modern Travel **Credits: 3**
- HIST 416 - Europe in the Twentieth Century **Credits: 3**
- HIST 425 - Modern European Military History **Credits: 3**
- HT 238 - Travel and Tourism **Credits: 3**
- JPN 305 - Introduction to Japanese Literature in Translation **Credits: 3**
- JPN 306 - Anime, Manga and Japan **Credits: 3**
- JPN 307 - Japanese Language in Cinema **Credits: 3**
- MKT 407 - Global Consumer Culture **Credits: 3**
- NAS 452 - The Roots of Health Disparities in Native American Populations **Credits: 3**
- NAS 470 - Cherokee Culture and History **Credits: 3**
- NAS 471 - Indigenous and Western Psychologies **Credits: 3**
- PAR 251 - Islam, Past and Present **Credits: 3**
- PAR 260 - Religion, Gender, Sexuality **Credits: 3**
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits: 3**
- PAR 356 - Buddhism **Credits: 3**
- PAR 357 - Hinduism **Credits: 3**
- PAR 367 - Native American Religions **Credits: 3**
- PAR 392 - Global Justice, Liberty, and Human Rights **Credits: 3**
- PSC 352 - International Security **Credits: 3**
- PSC 353 - International Political Economy **Credits: 3**
- PSC 354 - International Environmental Politics **Credits: 3**
- PSC 357 - Political Violence **Credits: 3**
- PSC 359 - International Law **Credits: 3**
- PSC 361 - On War **Credits: 3**
- PSC 370 - Politics of Ethnic Conflict **Credits: 3**
- PSC 375 - European Politics **Credits: 3**
- PSC 376 - African Politics **Credits: 3**
- PSC 378 - Asian Politics **Credits: 3**
- PSC 379 - Latin American Politics **Credits: 3**
- PSC 380 - Politics of Developing Areas **Credits: 3**
- PSC 451 - Model United Nations **Credits: 3, R6**
- SM 350 - Global Sport and Culture **Credits: 3**
- SOC 373 - Globalization **Credits: 3**
- SPAN 322 - Hispanic Cultures II **Credits: 3**
- SPAN 432 - North American and Caribbean Literature **Credits: 3, R6**

- SPAN 434 - South American Hispanic Literature **Credits: 3**

Additional Information

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

Japanese Studies, Minor

Total number of hours for the program: 22.

The minor in Japanese Studies prepares students for jobs in the public or private sector in which Japanese language skills (speaking, listening comprehension, reading, and grammar skills) are required or desired.

Core Courses (15 hours)

JPN 140 and JPN 240 substitute for JPN 101 + JPN 102 and JPN 231+ JPN 232, respectively.

- JPN 101 - Beginning Japanese I **Credits: 3**
- JPN 102 - Beginning Japanese II **Credits: 3**
- OR
- JPN 140 - Accelerated Beginning Japanese **Credits: 6**
- JPN 231 - Intermediate Japanese I **Credits: 3**
- JPN 232 - Intermediate Japanese II **Credits: 3**
- OR
- JPN 240 - Accelerated Intermediate Japanese **Credits: 6**
- JPN 301 - Third Year Japanese I **Credits: 3**

Electives (6 hours)

- JPN 302 - Third Year Japanese II **Credits: 3**
- JPN 305 - Introduction to Japanese Literature in Translation **Credits: 3**
- JPN 306 - Anime, Manga and Japan **Credits: 3**
- JPN 307 - Japanese Language in Cinema **Credits: 3**
- JPN 393 - Special Topics in Japanese **Credits: 3, R12**
- JPN 451 - Advanced Japanese Grammar **Credits: 3**
- JPN 452 - Advanced Japanese Conversation **Credits: 3**
- JPN 493 - Special Topics in Japanese **Credits: 3, R12**

Capstone Experience

To be taken during the semester in which final credit hour requirements for the minor are being completed.

- JPN 482 - Capstone Experience in Japanese **Credits: 1**

Literature, Minor

Total number of hours for the program: 18.

The Minor in Literature requires 18 semester hours of literature courses, including ENGL 201 and any literature course at the 300-/400- level.

Note: The Minor in Literature is *not* open to students pursuing the BA in English with an English Studies, Global English Studies, or Literary Studies Concentration. Students pursuing a BA in English may not use an ENGL course for both the major and the minor; double-counting a course between the major and minor is not allowed.

18 semester hours (six courses) selected from the following English courses:

- ENGL 333 - Introduction to Shakespeare **Credits: 3**
- ENGL 350 - The Renaissance **Credits: 3**
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature **Credits: 3**
- ENGL 352 - The Journey in Literature **Credits: 3**
- ENGL 353 - Stories Retold **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 367 - Appalachian Literature **Credits: 3**

- ENGL 378 - Motion Picture Histories **Credits: 3**
- ENGL 390 - The Bible as Literature **Credits: 3**
- ENGL 394 - Film Adaptation **Credits: 3, R6**
- ENGL 419 - Medieval Literature **Credits: 3**
- ENGL 420 - Chaucer and His Age **Credits: 3**
- ENGL 421 - Fairy Tale, Myth, and Legend **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 450 - Seminar in English Studies **Credits: 3, R6**
- ENGL 451 - Nineteenth-Century British Writers **Credits: 3**
- ENGL 459 - Southern 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 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 474 - Literary Theory **Credits: 3**
- ENGL 475 - Modernism and the Little Magazine **Credits: 3**
- ENGL 477 - Literature, Gender, and Culture **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 - Jobs in the Changing Workplace **Credits: 3**

Mathematics, BS

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 38-74 hours, including a Core and a Concentration, explained below.

Note: Only grades of C (2.00) or higher in required mathematics core courses will satisfy requirements in the major.

The following courses are required:

Core, 24 hours:

- MATH 153 - Calculus I **Credits: 4**
- MATH 250 - Introduction to Logic and Proof **Credits: 3**
- MATH 255 - Calculus II **Credits: 4**
- MATH 256 - Calculus III **Credits: 4**
- MATH 270 - Statistical Methods I **Credits: 3**
- MATH 310 - Discrete Structures **Credits: 3**
- MATH 362 - Linear Algebra I **Credits: 3**

Additional Required Course, 2 hours

- MATH 479 - Capstone: Seminar **Credits: 2**

Math Electives Categories

Algebra/Discrete:

- MATH 361 - Abstract Algebra I **Credits: 3**
- MATH 461 - Abstract Algebra II **Credits: 3**
- MATH 462 - Linear Algebra II **Credits: 3**

Analysis:

- MATH 422 - Real Analysis I **Credits: 3**
- MATH 424 - Complex Variable Theory **Credits: 3**

Computing/Modeling:

- MATH 320 - Ordinary Differential Equations **Credits: 3**
- MATH 420 - Partial Differential Equations **Credits: 3**
- MATH 430 - Mathematical Modeling **Credits: 3**
- MATH 441 - Introduction to Numerical Analysis **Credits: 3**
- MATH 450 - Linear Optimization **Credits: 3**

Statistics:

- MATH 370 - Probability and Statistics I **Credits: 3**
- MATH 373 - Theory of Interest for Actuarial Exam FM **Credits: 3**
- MATH 375 - Statistical Methods II **Credits: 3**
- MATH 470 - Probability and Statistics II **Credits: 3**
- MATH 471 - Problem Solving for Actuarial Exam P **Credits: 3**
- MATH 472 - Data Science **Credits: 3**
- MATH 474 - Introduction to Statistical Models **Credits: 3**
- MATH 475 - Statistical Machine Learning **Credits: 3**

Actuarial Science Concentration:

Required 24 hours:

- ACCT 251 - Financial Accounting - A User Perspective **Credits: 3**
- ECON 231 - Introductory Microeconomics and Social Issues **Credits: 3**
- ECON 232 - Introductory Macroeconomics and Social Issues **Credits: 3**
- FIN 305 - Financial Management **Credits: 3**
- MATH 340 - Introduction to Scientific Computing **Credits: 3**
- MATH 370 - Probability and Statistics I **Credits: 3**
- MATH 373 - Theory of Interest for Actuarial Exam FM **Credits: 3**
- MATH 471 - Problem Solving for Actuarial Exam P **Credits: 3**

Actuarial Science Electives (6 hours) selected from:

- ECON 304 - Econometrics **Credits: 3**
- MATH 375 - Statistical Methods II **Credits: 3**
- MATH 470 - Probability and Statistics II **Credits: 3**
- MATH 472 - Data Science **Credits: 3**
- MATH 474 - Introduction to Statistical Models **Credits: 3**
- MATH 475 - Statistical Machine Learning **Credits: 3**

Applied Concentration:

Required 12 hours:

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

- MATH 320 - Ordinary Differential Equations **Credits: 3**
- MATH 340 - Introduction to Scientific Computing **Credits: 3**

To complete the program:

A second major or a minor in one of the following areas of application: biology, chemistry, computer science, economics, finance, geology, physics, or a program approved by the mathematics and computer science department head.

Data Science Concentration:

Required 17 hours:

To complete the concentration requirements, 17 hours must be taken from the required courses below and/or from courses approved by the Department Head of Mathematics and Computer Science.

- CS 150 - Problem Solving and Programming I **Credits: 4**
- CS 151 - Problem Solving and Programming II **Credits: 4**
- MATH 472 - Data Science **Credits: 3**
- MATH 474 - Introduction to Statistical Models **Credits: 3**
- MATH 475 - Statistical Machine Learning **Credits: 3**

Data Science Electives (12 hours) selected from:

To complete the concentration requirements, at least 12 hours must be selected from the electives below and/or from courses approved by the Department Head of Mathematics and Computer Science.

- CS 253 - Software Development **Credits: 3**
- CS 351 - Data Structures and Algorithms **Credits: 4**
- CS 453 - Database Systems **Credits: 3**
- CS 466 - Information Security I **Credits: 3**
- CS 472 - Artificial Intelligence **Credits: 3**
- MATH 340 - Introduction to Scientific Computing **Credits: 3**
- MATH 370 - Probability and Statistics I **Credits: 3**
- MATH 430 - Mathematical Modeling **Credits: 3**
- MATH 441 - Introduction to Numerical Analysis **Credits: 3**
- MATH 450 - Linear Optimization **Credits: 3**
- MATH 462 - Linear Algebra II **Credits: 3**
- MATH 470 - Probability and Statistics II **Credits: 3**
- MATH 471 - Problem Solving for Actuarial Exam P **Credits: 3**

B.S. Mathematics Accelerated Bachelor's/Graduate Certificate in Data Science

The Accelerated Bachelor's/Graduate Certificate option, outlined in detail below, allows students to earn a B.S. Mathematics and complete the Graduate Certificate in Data Science in an accelerated timeframe.

Guidelines:

Students eligible for the Accelerated Bachelor's/Graduate Certificate Program have:

1. Completed a minimum of sixty (60) in their undergraduate programs, including credits earned from advanced placement, and
2. A minimum accumulated grade point average (GPA) of 3.00 at WCU.

Students may apply for admission to the Graduate School and permission for up to 12 credit hours of graduate level course work during their junior and senior years to count as advanced placement toward their certificate. Such a request must be approved by both the Department Head of the Department Mathematics and Computer Science and the Program Director for the BS Mathematics. 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 Graduate Certificate in Data Science. After admission to the certificate program, the designated courses in which the student earned grades of B or better may be applied towards the requirements of that degree. These courses also count towards the 120 hours needed for the BS degree. Students in any concentration in the B.S. Mathematics may apply.

Students in the Accelerated Bachelor's/Graduate Certificate may take the following graduate courses to apply toward the B.S. Mathematics:

- MATH 530 Mathematical Modeling for MATH 430
- MATH 541 Introduction to Numerical Analysis for MATH 441
- MATH 550 Linear Optimization for MATH 450
- MATH 562 Linear Algebra II for MATH 462
- MATH 570 Probability and Statistics II for MATH 470
- MATH 572 Data Science for MATH 472
- MATH 574 Introduction to Statistical Models for MATH 474
- MATH 575 Statistical Machine Learning for MATH 475

Students in the Accelerated Bachelor's/Graduate Certificate may take the following graduate courses to apply toward the B.S. Computer Science:

- CS 572 Artificial Intelligence for CS 472

Students in the Accelerated Bachelor's/Graduate Certificate may not take MATH 678 until they have completed the B.S.

Visit the department's website math.wcu.edu to view the semester curriculum guide.

Mathematics Education Concentration:

Admissions to the Mathematics Education Program

Students seeking admission to the Mathematics Education Program must declare their major and meet the requirements for admission to the Teacher Education Program. Additional information is available at Teacher Education Program.

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken prior to admission to teacher education.

Continuation in the Mathematics Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. Additional information on these requirements is available at Teacher Education Program. In addition to these requirements, a student enrolled in the BS in Mathematics with the Mathematics Education Concentration must also be enrolled in the BSEd Mathematics. If hours taken in the major also meet Liberal Studies requirements, students may need to complete more elective hours to complete the full 120 total hours needed.

Required 15 hours:

- MATH 200 - Introduction to Mathematical Problem Solving **Credits: 1**
- MATH 300 - Problem Solving **Credits: 2**
- MATH 340 - Introduction to Scientific Computing **Credits: 3**
- MATH 361 - Abstract Algebra I **Credits: 3**
- MATH 400 - History of Mathematics **Credits: 3**
- MATH 411 - Foundations in Geometry **Credits: 3**

Math Electives (3 hours) selected from:

- MATH 320 - Ordinary Differential Equations **Credits: 3**
- MATH 370 - Probability and Statistics I **Credits: 3**
- MATH 412 - Modern Geometries **Credits: 3**
- MATH 422 - Real Analysis I **Credits: 3**
- MATH 424 - Complex Variable Theory **Credits: 3**
- MATH 441 - Introduction to Numerical Analysis **Credits: 3**
- MATH 450 - Linear Optimization **Credits: 3**
- MATH 461 - Abstract Algebra II **Credits: 3**
- MATH 462 - Linear Algebra II **Credits: 3**
- MATH 470 - Probability and Statistics II **Credits: 3**

Professional Education Sequence (30 hours)

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- MATH 414 - Introduction to Secondary Mathematics Teaching Methods **Credits: 3**
- MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School **Credits: 3**
- EDSE 484 - Supervised Internship I **Credits: 1-3**
Mathematics and Computer Science majors are required to take EDSE 484 as a 3 credit hour course.
- EDSE 485 - Internship II **Credits: 6**
- MATH 491 - Supervised Student Teaching in Mathematics, 9-12 **Credits: 3**
- EDSE 495 - Seminar **Credits: 3**

Traditional Mathematics Concentration:

Required 18 hours:

Twelve additional hours: one course from each of the three non-Algebra/Discrete math electives categories, and one additional course from any of the four math elective

categories, MATH 400 History of Mathematics, or other math courses approved by the mathematics and computer science department head and:

- MATH 361 - Abstract Algebra I **Credits: 3**
- MATH 340 - Introduction to Scientific Computing **Credits: 3**

To complete the program:

A second major, a minor, or a program approved by the mathematics and computer science department head.

Additional Information for all Concentrations:

Students must complete all liberal studies requirements and general electives as needed to reach the total of 120 hours. At least 30 hours taken at WCU must be at the junior/senior level to meet the general university degree requirements. Visit the department's website at <http://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/mathcsdept/> to view the eight-semester curriculum guide.

Mathematics, Minor

Total number of hours for the program: 17.

Minor Requirements

The minor requires 17 semester hours, including two semesters of calculus:

- MATH 153 - Calculus I **Credits: 4**
- MATH 255 - Calculus II **Credits: 4**

Additional Requirements

Additional hours selected from any mathematics courses numbered 250 or higher, except MATH 301, MATH 311, and MATH 321.

Natural Resource Conservation and Management, BS

Total number of hours for the program: 120.

The Natural Resource Conservation and Management Program, in the College of Arts and Sciences at Western Carolina University, offers students an interdisciplinary education that promotes the understanding, conservation, and sustainable use of natural resources. Because of WCU's role as a regional comprehensive university, we view western North Carolina and the Southern Appalachians as our primary areas of focus. However, our broad goal is to serve society through our students and through involvement in our community, region, state, nation, and beyond. The Program offers the Bachelor of Science Degree with coursework in forest resources, fisheries and wildlife management, and soil and water conservation. The program emphasizes high quality undergraduate instruction in preparation for entry level natural resources management positions or for further graduate study. The NRCM program prepares students for careers in the conservation and sustainable management of forested lands and the resources they support, and prepares students to evaluate environmental conditions and to apply techniques used in the protection and restoration of terrestrial and aquatic systems.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 63 hours, including 39 hours in core courses and 24 hours of elective courses.

- BIOL 141 - Principles of Biology II **Credits: 4**
BIOL 140 pre-req is waived for students in the NRCM program.
- BIOL 241 - Introduction to Ecology and Evolution **Credits: 4**

BIOL 240 pre-req is waived for students in the NRCM program.

- CHEM 139 - General Chemistry I **Credits: 4**
or
- CHEM 140 - General Chemistry II **Credits: 4**
- GEOL 305 - Soils and Hydrology **Credits: 4**
- MATH 170 - Applied Statistics **Credits: 3**
- NRM 150 - Career Opportunities in Natural Resources Management **Credits: 1**
- NRM 210 - Methods in Natural Resources Management **Credits: 3**
- NRM 213 - GIS for Natural Resource Management **Credits: 3**
- NRM 240 - Natural Resource Measurements **Credits: 3**
- NRM 255 - Dendrology **Credits: 3**
- NRM 351 - Forest Ecology **Credits: 3**
or
- BIOL 304 - General Ecology **Credits: 3**
- NRM 440 - Integrated Resources Management **Credits: 4**
or
- NRM 499 - Senior Thesis in NRCM **Credits: 4**

Major Electives

Major Electives, 24 hours, selected from the following options:

- GEOG 300 - Weather and Climate **Credits: 3**
- GEOG 324 - Introduction to Remote Sensing **Credits: 4**
- GEOL 302 - Geomorphology **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**
- NRM 320 - Soil Conservation **Credits: 3**
- NRM 330 - Introduction to Fish and Wildlife Ecology and Management **Credits: 3**
- NRM 344 - Applied Geographic Information Systems **Credits: 4**
- NRM 389 - Cooperative Education in NRM **Credits: 1 or 3, R15**
- NRM 432 - Wildlife Research and Survey Techniques **Credits: 4**
- NRM 451 - Foundations of Silviculture **Credits: 4**
- NRM 460 - Watershed Management **Credits: 3**
- NRM 472 - Geospatial Science Applications **Credits: 4**
- NRM 476 - Contemporary Fisheries **Credits: 4**
or
- BIOL 476 - Contemporary Fisheries **Credits: 4**
- NRM 479 - Mammalogy **Credits: 4**
or
- BIOL 479 - Mammalogy **Credits: 4**
or
- NRM 480 - Independent Study **Credits: 1-3, R6**
- NRM 481 - Independent Study **Credits: 1-3, R6**
- NRM 483 - Applications in Forest Resource Management **Credits: 3, R6**
- NRM 493 - Topics in NRM **Credits: 1-4, R12**

General Electives

General electives (15-26 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.

While any courses can be used to fulfill the general electives requirement, the following courses are particularly relevant to the program.

- BIOL 425 - Flora of the Southern Appalachians **Credits: 4**
- BIOL 434 - Terrestrial Landscape Ecology **Credits: 4**

- BIOL 435 - Aquatic Ecology **Credits: 4**
- BIOL 441 - Conservation Biology **Credits: 3**
- BIOL 472 - Ornithology **Credits: 4**
- BIOL 477 - Herpetology **Credits: 4**
- ECON 310 - Natural Resource Economics **Credits: 3**
- PAR 330 - America's Wilderness Ethics and Aesthetics **Credits: 3**
- PAR 333 - Environmental and Animal Ethics **Credits: 3**
- PSC 326 - Natural Resources Policy and Administration **Credits: 3**
- PSC 354 - International Environmental Politics **Credits: 3**

Additional Requirements

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

Visit the NRCM program's website at <https://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/gnr/nrcm.aspx>.

Physics, Minor

Total number of hours for the program: 20.

Minor Requirements

The minor requires 20 hours. Either the 100-level or the 200-level Physics sequence is required:

100-level sequence:

- PHYS 130 - Introductory Physics I **Credits: 4**
and
- PHYS 131 - Introductory Physics II **Credits: 4**

200-level sequence:

- OR*
- PHYS 230 - General Physics I **Credits: 4**
and
- PHYS 231 - General Physics II **Credits: 4**

Electives

12 hours of 300- or 400-level physics courses or courses from the following list are required:

- CHEM 352 - Physical Chemistry: Chemical Thermodynamics **Credits: 3**
- CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy **Credits: 3**
- EE 321 - Electromagnetic Fields **Credits: 3**
- EE 322 - Electromagnetic Waves **Credits: 3**
- ENGR 352 - Thermodynamics and Heat Transfer **Credits: 3**
- ENGR 353 - Thermodynamics **Credits: 3**
- GEOL 330 - Geophysics **Credits: 4**
or
- PHYS 330 - Geophysics **Credits: 4**
- MATH 420 - Partial Differential Equations **Credits: 3**
- ME 321 - Fluid Dynamics **Credits: 3**
- ME 332 - Heat Transfer: Analysis and Applications **Credits: 3**

Sociology, Minor

Total number of hours for the program: 21.

Minor Requirements

The minor requires 21 hours. The following course is required:

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

Additional Requirements

To complete a sociology minor, students must take an additional 18 hours of SOC elective courses. SOC 103 and SOC 195 cannot be counted toward the elective requirement.

U.S. Latinx Studies, Minor

Total number of hours for the program: 18.

Students pursuing a minor in U.S. Latinx Studies will learn about and engage with issues of diversity, inclusion, and global awareness as these relate to the histories, social issues, and cultural production of Latinx peoples.

Required Course

1 required courses (3 hours):

- LATX 220 - Introduction to U.S. Latinx Studies **Credits: 3**

Electives

Choose 5 electives (15 hours) from the following options:

- ANTH 465 - Cultures of Latin America **Credits: 3**
- ENGL 325 - Language and Culture **Credits: 3**
- ENGL 326 - Schools, Laws, and Language **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 452 - Latinx Literature **Credits: 3**
- ENGL 453 - Indigenous Literatures **Credits: 3**
- ENGL 479 - Studies in Literature **Credits: 3, R6**
- HIST 212 - Latin American History I **Credits: 3**
- HIST 213 - Latin American History II **Credits: 3**
- HIST 234 - Immigration and Ethnicity in U.S. History **Credits: 3**
- HIST 308 - Explorations in Regional History **Credits: 3, R12**
- HIST 406 - Revolutionary Latin America **Credits: 3**
- LATX 495 - Seminar in U.S. Latinx Studies **Credits: 3**
- SOC 235 - Social Problems **Credits: 3**
- SOC 414 - Race and Ethnicity **Credits: 3**
- SOC 417 - Immigration **Credits: 3**
- SPAN 321 - Hispanic Cultures I **Credits: 3**
- SPAN 322 - Hispanic Cultures II **Credits: 3**
- SPAN 432 - North American and Caribbean Literature **Credits: 3, R6**
- SPAN 434 - South American Hispanic Literature **Credits: 3**

English, BA

Total number of hours for the program: 120.

A total of 120 hours is required to graduate with a BA, including a minor, second major, or other approved program. Students are encouraged to use 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 will need to be completed to reach the 120 hours required for the degree.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements (45 hours)

The major requires 45 hours as follows:

Language Requirements (6 hours)

All English Majors are required to take 6 hours of World Languages or alternatives such as Cherokee and American Sign Language.

Core Curriculum (15 hours)

- ENGL 211 - Introduction to Film and Literature **Credits: 3**
- ENGL 212 - Introduction to Creative Writing and Editing **Credits: 3**
- ENGL 213 - Introduction to Professional Writing and Editing **Credits: 3**
- ENGL 214 - Introduction to Public Rhetorics **Credits: 3**
- ENGL 215 - Descriptive Linguistics **Credits: 3**

Seminar in English Studies (3 hours)

Advanced special topics courses taught by different faculty each semester. Subject varies and is based on the teacher's research specialty.

Education students will take ENGL 418, English students will take ENGL 450.

- ENGL 418 - Fundamentals of Teaching Literature **Credits: 3** OR
- ENGL 450 - Seminar in English Studies **Credits: 3, R6**

The Capstone Course (3 hours)

Taken in last year of their program. Course would be adjusted to focus on career readiness and include creating electronic employment portfolios, preparing for interviews, etc. Fall version hosts humanities conference/ Spring version hosts interdisciplinary conference.

Education students will take EDSE 484, English students will take ENGL 498.

- ENGL 498 - Jobs in the Changing Workplace **Credits: 3** OR
- EDSE 484 - Supervised Internship I **Credits: 1-3**

Concentrations (18 hours)

Students should select one of the following concentrations:

Creative Writing and Publishing Concentration (18 hours)

The Creative Writing and Publishing Concentration features the study and generation of multiple literary art forms with emphasis on craft and development of creative and critical thinking and communication skills.

Students should choose 18 hours from the courses listed below:

Note: No more than ONE Liberal Studies course may be used to meet the major requirements for the English BA.

- ENGL 304 - Writing for Electronic Environments **Credits: 3**
- ENGL 306 - Nonfiction Writing **Credits: 3**
- ENGL 307 - Professional Editing and Publishing **Credits: 3**
- ENGL 308 - Fiction Writing **Credits: 3, R6**
- ENGL 309 - Poetry Writing **Credits: 3, R6**
- ENGL 311 - Writing and Advocacy **Credits: 3**
- ENGL 315 - Proposal and Grant Writing **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 363 - Globalization and Global Literatures **Credits: 3**

- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 367 - Appalachian Literature **Credits: 3**
- ENGL 390 - The Bible as Literature **Credits: 3**
- ENGL 394 - Film Adaptation **Credits: 3, R6**
- ENGL 403 - Community Writing **Credits: 3**
- ENGL 404 - African American Literature and History **Credits: 3**
- ENGL 405 - Advanced Creative Writing **Credits: 3**
- ENGL 412 - Grammar for Writers **Credits: 3**
- ENGL 419 - Medieval Literature **Credits: 3**
- ENGL 420 - Chaucer and His Age **Credits: 3**
- ENGL 421 - Fairy Tale, Myth, and Legend **Credits: 3**
- ENGL 429 - Studies in Professional Writing **Credits: 3, R6**
- 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 442 - African Literature **Credits: 3**
- ENGL 443 - Cultural Studies **Credits: 3**
- ENGL 444 - Environmental Literature **Credits: 3**
- ENGL 451 - Nineteenth-Century British Writers **Credits: 3**
- ENGL 452 - Latinx Literature **Credits: 3**
- ENGL 453 - Indigenous Literatures **Credits: 3**
- ENGL 459 - Southern 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 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 475 - Modernism and the Little Magazine **Credits: 3**
- ENGL 477 - Literature, Gender, and Culture **Credits: 3**
- ENGL 479 - Studies in Literature **Credits: 3, R6**
- ENGL 480 - Studies in English **Credits: 1-3, R6**
- ENGL 493 - Topics in Creative Writing **Credits: 1-3, R6**
- ENGL 496 - Seminar in World Literature **Credits: 3**
- FTP 110 - Introduction to Screenwriting **Credits: 3**

English Studies Concentration (18 hours)

English Studies provides a traditional, flexible BA program designed to accommodate pre-professional students and students who wish to build a program with courses across several concentrations.

Students should choose 18 hours from the courses listed below:

Note: No more than ONE Liberal Studies course may be used to meet the major requirements for the English BA.

- ENGL 304 - Writing for Electronic Environments **Credits: 3**
- ENGL 306 - Nonfiction Writing **Credits: 3**
- ENGL 307 - Professional Editing and Publishing **Credits: 3**
- ENGL 308 - Fiction Writing **Credits: 3, R6**
- ENGL 309 - Poetry Writing **Credits: 3, R6**
- ENGL 310 - Classical Rhetoric and Contemporary Writing **Credits: 3**
- ENGL 311 - Writing and Advocacy **Credits: 3**
- ENGL 312 - Grammar for Teachers **Credits: 3**
- ENGL 313 - Authoring Multimedia **Credits: 3, R6**
- ENGL 315 - Proposal and Grant Writing **Credits: 3**
- ENGL 319 - Grammar, Language, and Discourse **Credits: 3**
- ENGL 325 - Language and Culture **Credits: 3**
- ENGL 326 - Schools, Laws, and Language **Credits: 3**

- ENGL 333 - Introduction to Shakespeare **Credits: 3**
- ENGL 350 - The Renaissance **Credits: 3**
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature **Credits: 3**
- ENGL 352 - The Journey in Literature **Credits: 3**
- ENGL 353 - Stories Retold **Credits: 3**
- ENGL 363 - Globalization and Global Literatures **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 367 - Appalachian Literature **Credits: 3**
- ENGL 368 - Film Genres **Credits: 3, R6**
- ENGL 378 - Motion Picture Histories **Credits: 3**
- ENGL 389 - Cooperative Education: Professional Writing **Credits: 1 or 3, R15**
- ENGL 390 - The Bible as Literature **Credits: 3**
- ENGL 394 - Film Adaptation **Credits: 3, R6**
- ENGL 401 - Writing for Careers **Credits: 3**
- ENGL 402 - Technical Writing **Credits: 3**
- ENGL 403 - Community Writing **Credits: 3**
- ENGL 404 - African American Literature and History **Credits: 3**
- ENGL 405 - Advanced Creative Writing **Credits: 3**
- ENGL 410 - Political Rhetorics **Credits: 3**
- ENGL 412 - Grammar for Writers **Credits: 3**
- ENGL 413 - ESL Methods for Content Teachers **Credits: 3**
- ENGL 414 - Fundamentals of Teaching Composition **Credits: 3**
- ENGL 415 - Applied Linguistics **Credits: 3**
- ENGL 416 - Teaching English as a Second Language **Credits: 3**
- ENGL 417 - Methods for Teaching English **Credits: 3**
- ENGL 418 - Fundamentals of Teaching Literature **Credits: 3**
- ENGL 419 - Medieval Literature **Credits: 3**
- ENGL 420 - Chaucer and His Age **Credits: 3**
- ENGL 421 - Fairy Tale, Myth, and Legend **Credits: 3**
- ENGL 422 - Adolescent Literature in Secondary Schools **Credits: 3**
- ENGL 429 - Studies in Professional Writing **Credits: 3, R6**
- 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 442 - African Literature **Credits: 3**
- ENGL 443 - Cultural Studies **Credits: 3**
- ENGL 444 - Environmental Literature **Credits: 3**
- ENGL 451 - Nineteenth-Century British Writers **Credits: 3**
- ENGL 452 - Latinx Literature **Credits: 3**
- ENGL 453 - Indigenous Literatures **Credits: 3**
- ENGL 459 - Southern 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 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 474 - Literary Theory **Credits: 3**
- ENGL 475 - Modernism and the Little Magazine **Credits: 3**
- ENGL 477 - Literature, Gender, and Culture **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 491 - Supervised Student Teaching in English, 9-12 **Credits: 3**
- ENGL 492 - ESL Practicum **Credits: 3**
- ENGL 493 - Topics in Creative Writing **Credits: 1-3, R6**
- ENGL 496 - Seminar in World Literature **Credits: 3**

English Studies Pedagogy Concentration (18 hours)

The English Studies Pedagogy Concentration is a required concentration for students pursuing a B.S.Ed. in Secondary and Special Subject Teaching (grades 9-12) English Education. It is also relevant to students interested in pedagogy-centered careers, such as teaching internationally, by providing them with the content knowledge and teaching method skills needed for success.

This program does not lead to licensure. Only students who also complete the B.S.Ed. in Secondary and Special Subject Teaching (grades 9-12) English may be recommended for NC Teaching Licensure in English Language Arts.

Students must complete the English Studies Pedagogy Methods Core (12 hours) and English Studies Pedagogy Electives (6 hours).

English Studies Pedagogy Methods Core (12 hours)

- ENGL 319 - Grammar, Language, and Discourse **Credits: 3**
 - ENGL 414 - Fundamentals of Teaching Composition **Credits: 3**
 - ENGL 418 - Fundamentals of Teaching Literature **Credits: 3**
- AND*
- ENGL 413 - ESL Methods for Content Teachers **Credits: 3**
- OR*
- ENGL 416 - Teaching English as a Second Language **Credits: 3**

English Studies Pedagogy Electives (6 hours)

Students should choose 6 hours from the courses listed below:

Note: NO more than one liberal studies course may be used to meet the major requirements for the English BA.

Note: Students in the BA/English Studies Pedagogy Concentration with a TESOL minor may not use an English Studies Pedagogy elective course for both the major and the TESOL minor.

- ENGL 304 - Writing for Electronic Environments **Credits: 3**
- ENGL 306 - Nonfiction Writing **Credits: 3**
- ENGL 307 - Professional Editing and Publishing **Credits: 3**
- ENGL 308 - Fiction Writing **Credits: 3, R6**
- ENGL 309 - Poetry Writing **Credits: 3, R6**
- ENGL 310 - Classical Rhetoric and Contemporary Writing **Credits: 3**
- ENGL 311 - Writing and Advocacy **Credits: 3**
- ENGL 315 - Proposal and Grant Writing **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 363 - Globalization and Global Literatures **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 367 - Appalachian Literature **Credits: 3**
- 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 403 - Community Writing **Credits: 3**
- ENGL 404 - African American Literature and History **Credits: 3**
- ENGL 410 - Political Rhetorics **Credits: 3**
- ENGL 412 - Grammar for Writers **Credits: 3**
- ENGL 419 - Medieval Literature **Credits: 3**
- ENGL 420 - Chaucer and His Age **Credits: 3**
- ENGL 421 - Fairy Tale, Myth, and Legend **Credits: 3**
- ENGL 422 - Adolescent Literature in Secondary Schools **Credits: 3**

- ENGL 429 - Studies in Professional Writing **Credits:** 3, R6
- 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 442 - African Literature **Credits:** 3
- ENGL 443 - Cultural Studies **Credits:** 3
- ENGL 444 - Environmental Literature **Credits:** 3
- ENGL 451 - Nineteenth-Century British Writers **Credits:** 3
- ENGL 452 - Latinx Literature **Credits:** 3
- ENGL 453 - Indigenous Literatures **Credits:** 3
- ENGL 459 - Southern 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 470 - 20th Century and Contemporary Postcolonial Literature **Credits:** 3
- ENGL 474 - Literary Theory **Credits:** 3
- ENGL 475 - Modernism and the Little Magazine **Credits:** 3
- ENGL 477 - Literature, Gender, and Culture **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 493 - Topics in Creative Writing **Credits:** 1-3, R6
- ENGL 496 - Seminar in World Literature **Credits:** 3

Film and New Media Concentration (18 hours)

Concentration focuses on analysis of film and film genres, and video in the context of changes in the media landscape during the past few decades.

Students should choose 18 hours from the courses listed below:

Note: No more than ONE Liberal Studies course may be used to meet the major requirements for the English BA.

- ENGL 310 - Classical Rhetoric and Contemporary Writing **Credits:** 3
- ENGL 311 - Writing and Advocacy **Credits:** 3
- ENGL 313 - Authoring Multimedia **Credits:** 3, R6
- ENGL 325 - Language and Culture **Credits:** 3
- ENGL 353 - Stories Retold **Credits:** 3
- ENGL 363 - Globalization and Global Literatures **Credits:** 3
- ENGL 367 - Appalachian Literature **Credits:** 3
- ENGL 368 - Film Genres **Credits:** 3, R6
- ENGL 378 - Motion Picture Histories **Credits:** 3
- ENGL 394 - Film Adaptation **Credits:** 3, R6
- ENGL 403 - Community Writing **Credits:** 3
- ENGL 410 - Political Rhetorics **Credits:** 3
- ENGL 420 - Chaucer and His Age **Credits:** 3
- ENGL 421 - Fairy Tale, Myth, and Legend **Credits:** 3
- ENGL 443 - Cultural Studies **Credits:** 3
- ENGL 474 - Literary Theory **Credits:** 3
- ENGL 478 - Film Theory **Credits:** 3

Global English Studies Concentration (18 hours)

Concentration highlights the vitality and interconnectedness of literary traditions across the globe, and the relevance of global learning and approaches to everyday life.

Students should choose 18 hours from the courses listed below:

Note: No more than ONE Liberal Studies course may be used to meet the major requirements for the English BA.

- ENGL 311 - Writing and Advocacy **Credits:** 3

- ENGL 325 - Language and Culture **Credits:** 3
 - ENGL 368 - Film Genres **Credits:** 3, R6
 - ENGL 378 - Motion Picture Histories **Credits:** 3
 - ENGL 404 - African American Literature and History **Credits:** 3
 - ENGL 405 - Advanced Creative Writing **Credits:** 3
 - ENGL 410 - Political Rhetorics **Credits:** 3
 - ENGL 419 - Medieval Literature **Credits:** 3
 - ENGL 429 - Studies in Professional Writing **Credits:** 3, R6
 - ENGL 430 - English Literature of the Renaissance **Credits:** 3
 - ENGL 442 - African Literature **Credits:** 3
 - ENGL 443 - Cultural Studies **Credits:** 3
 - ENGL 444 - Environmental Literature **Credits:** 3
 - ENGL 451 - Nineteenth-Century British Writers **Credits:** 3
 - ENGL 452 - Latinx Literature **Credits:** 3
 - ENGL 453 - Indigenous Literatures **Credits:** 3
 - ENGL 459 - Southern Literature **Credits:** 3
 - ENGL 463 - Contemporary Literature **Credits:** 3
 - ENGL 465 - Topics in African American Literature **Credits:** 3
 - ENGL 470 - 20th Century and Contemporary Postcolonial Literature **Credits:** 3
 - ENGL 475 - Modernism and the Little Magazine **Credits:** 3
 - ENGL 477 - Literature, Gender, and Culture **Credits:** 3
- Students may take one of the following ULPs to count within the concentration:*
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature **Credits:** 3
 - ENGL 363 - Globalization and Global Literatures **Credits:** 3
 - ENGL 366 - Literature and Immigration **Credits:** 3
 - ENGL 367 - Appalachian Literature **Credits:** 3

Literary Studies Concentration (18 hours)

In this concentration, students explore written and visual texts from both critical and creative perspectives in their cultural contexts. They also develop writing and analytical skills including research, collaboration, and facility with relevant new technologies.

Students should choose 18 hours from the courses listed below:

Note: No more than ONE Liberal Studies course may be used to meet the major requirements for the English BA.

- ENGL 304 - Writing for Electronic Environments **Credits:** 3
- ENGL 306 - Nonfiction Writing **Credits:** 3
- ENGL 307 - Professional Editing and Publishing **Credits:** 3
- ENGL 308 - Fiction Writing **Credits:** 3, R6
- ENGL 309 - Poetry Writing **Credits:** 3, R6
- ENGL 310 - Classical Rhetoric and Contemporary Writing **Credits:** 3
- ENGL 315 - Proposal and Grant Writing **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 363 - Globalization and Global Literatures **Credits:** 3
- ENGL 366 - Literature and Immigration **Credits:** 3
- ENGL 367 - Appalachian Literature **Credits:** 3
- 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 403 - Community Writing **Credits:** 3
- ENGL 404 - African American Literature and History **Credits:** 3
- ENGL 410 - Political Rhetorics **Credits:** 3

- ENGL 412 - Grammar for Writers **Credits: 3**
- ENGL 419 - Medieval Literature **Credits: 3**
- ENGL 420 - Chaucer and His Age **Credits: 3**
- ENGL 421 - Fairy Tale, Myth, and Legend **Credits: 3**
- ENGL 422 - Adolescent Literature in Secondary Schools **Credits: 3**
- ENGL 429 - Studies in Professional Writing **Credits: 3, R6**
- 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 442 - African Literature **Credits: 3**
- ENGL 443 - Cultural Studies **Credits: 3**
- ENGL 444 - Environmental Literature **Credits: 3**
- ENGL 451 - Nineteenth-Century British Writers **Credits: 3**
- ENGL 452 - Latinx Literature **Credits: 3**
- ENGL 453 - Indigenous Literatures **Credits: 3**
- ENGL 459 - Southern 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 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 474 - Literary Theory **Credits: 3**
- ENGL 475 - Modernism and the Little Magazine **Credits: 3**
- ENGL 477 - Literature, Gender, and Culture **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 493 - Topics in Creative Writing **Credits: 1-3, R6**

Public Writing and Rhetoric Concentration (18 hours)

Concentration highlights the historical, cultural, and ethical contexts of rhetorical language and writing in public settings and for public advocacy.

Students should choose 18 hours from the courses listed below:

Note: No more than ONE Liberal Studies course may be used to meet the major requirements for the English BA.

- ENGL 304 - Writing for Electronic Environments **Credits: 3**
- ENGL 306 - Nonfiction Writing **Credits: 3**
- ENGL 307 - Professional Editing and Publishing **Credits: 3**
- ENGL 310 - Classical Rhetoric and Contemporary Writing **Credits: 3**
- ENGL 311 - Writing and Advocacy **Credits: 3**
- ENGL 315 - Proposal and Grant Writing **Credits: 3**
- ENGL 378 - Motion Picture Histories **Credits: 3**
- ENGL 389 - Cooperative Education: Professional Writing **Credits: 1 or 3, R15**
- ENGL 401 - Writing for Careers **Credits: 3**
- ENGL 402 - Technical Writing **Credits: 3**
- ENGL 403 - Community Writing **Credits: 3**
- ENGL 405 - Advanced Creative Writing **Credits: 3**
- ENGL 410 - Political Rhetorics **Credits: 3**
- ENGL 412 - Grammar for Writers **Credits: 3**
- ENGL 429 - Studies in Professional Writing **Credits: 3, R6**
- ENGL 431 - Shakespeare and His Age **Credits: 3**
- ENGL 443 - Cultural Studies **Credits: 3**
- ENGL 444 - Environmental Literature **Credits: 3**
- ENGL 452 - Latinx Literature **Credits: 3**
- ENGL 453 - Indigenous Literatures **Credits: 3**
- ENGL 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 474 - Literary Theory **Credits: 3**

- ENGL 478 - Film Theory **Credits: 3**
- ENGL 493 - Topics in Creative Writing **Credits: 1-3, R6**

Writing and Editing in Professional Environments Concentration (18 hours)

Like all English majors, students who concentrate in Professional Writing are critical and creative thinkers. As Professional Writing students, they sharpen their writing skills, learn to adapt to the changing demands of the marketplace, and prepare for careers in a variety of fields, including law, marketing, and public relations; print, broadcast, and electronic media; technical writing, editing, and publishing; creative writing, magazine writing, and consulting; and they work with non-profit organizations and government agencies.

Professional Writing students have the option to take several creative writing courses that focus on fiction, non-fiction, and poetry.

Students should choose 18 hours from the courses listed below:

Note: No more than ONE Liberal Studies course may be used to meet the major requirement for the English BA.

- ENGL 304 - Writing for Electronic Environments **Credits: 3**
- ENGL 306 - Nonfiction Writing **Credits: 3**
- ENGL 307 - Professional Editing and Publishing **Credits: 3**
- ENGL 308 - Fiction Writing **Credits: 3, R6**
- ENGL 310 - Classical Rhetoric and Contemporary Writing **Credits: 3**
- ENGL 311 - Writing and Advocacy **Credits: 3**
- ENGL 315 - Proposal and Grant Writing **Credits: 3**
- ENGL 319 - Grammar, Language, and Discourse **Credits: 3**
- ENGL 326 - Schools, Laws, and Language **Credits: 3**
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature **Credits: 3**
- ENGL 363 - Globalization and Global Literatures **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 367 - Appalachian Literature **Credits: 3**
- ENGL 368 - Film Genres **Credits: 3, R6**
- ENGL 378 - Motion Picture Histories **Credits: 3**
- ENGL 394 - Film Adaptation **Credits: 3, R6**
- ENGL 401 - Writing for Careers **Credits: 3**
- ENGL 402 - Technical Writing **Credits: 3**
- ENGL 403 - Community Writing **Credits: 3**
- ENGL 404 - African American Literature and History **Credits: 3**
- ENGL 405 - Advanced Creative Writing **Credits: 3**
- ENGL 410 - Political Rhetorics **Credits: 3**
- ENGL 412 - Grammar for Writers **Credits: 3**
- ENGL 415 - Applied Linguistics **Credits: 3**
- ENGL 416 - Teaching English as a Second Language **Credits: 3**
- ENGL 429 - Studies in Professional Writing **Credits: 3, R6**
- ENGL 442 - African Literature **Credits: 3**
- ENGL 443 - Cultural Studies **Credits: 3**
- ENGL 444 - Environmental Literature **Credits: 3**
- ENGL 452 - Latinx Literature **Credits: 3**
- ENGL 453 - Indigenous Literatures **Credits: 3**
- ENGL 459 - Southern Literature **Credits: 3**
- ENGL 464 - Native American Literature **Credits: 3**
- ENGL 465 - Topics in African American Literature **Credits: 3**
- ENGL 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 474 - Literary Theory **Credits: 3**
- ENGL 483 - Writing Internship **Credits: 3**
- ENGL 493 - Topics in Creative Writing **Credits: 1-3, R6**

Additional Requirements

English BA (Creative Writing and Publishing, English Studies, English Studies Pedagogy, Film and New Media, Global English Studies, Literary Studies, Public Writing and Rhetoric, Writing and Editing in Professional Environments) 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 those minors is not allowed.

All BSEd Secondary Education - English majors must also enroll in the English BA degree program. Any English BA concentration may be selected (i.e. Literary Studies, Professional Writing and Editing, Film and New Media, 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 English BA - ESP Concentration satisfy the BA language requirement with the language of the BSEd Secondary Education - English (6 hours in a foreign language or languages). Selection of any other English BA concentration requires completion of the prescribed BA foreign language requirement (6 hours MFL 231/232 or 240) and may require students to take coursework beyond 120 hours to complete the requirements of both programs.

Cherokee and Indigenous Studies (Interdisciplinary), Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including:

- ANTH 473 - Contemporary Cherokee Culture and Society **Credits: 3**
 - CHER 101 - Experiencing Cherokee and the Cherokee-Speaking World **Credits: 3**
- Choose one from the following two courses:*
- HIST 352 - Cherokee History **Credits: 3**
 - NAS 470 - Cherokee Culture and History **Credits: 3**

Electives

Nine hours of electives selected from the following:

- ANTH 362 - Southeastern Archaeology **Credits: 3**
- ANTH 379 - Cherokee Arts **Credits: 3**
- ANTH 421 - Cherokee Archaeology **Credits: 3**
- ANTH 442 - Archaeology of Landscape **Credits: 3**
- ANTH 461 - Indigenous Cultures of North America **Credits: 3**
- CHER 132 - Elementary Cherokee II **Credits: 3**
- CHER 231 - Intermediate Cherokee I **Credits: 3**
- CHER 232 - Intermediate Cherokee II **Credits: 3**
- HIST 236 - Native American Lives **Credits: 3**

College of Business

Office Information:

124 Forsyth Building
(828) 227-7412

Website: <http://www.wcu.edu/academics/departments-schools-colleges/COB/index.asp>

Dr. AJ Grube, Dean

Dr. Hollye Moss, Associate Dean

Faculty and Staff Directory: <https://www.wcu.edu/learn/departments-schools-colleges/cob/contact-us.aspx>

Vision. The College of Business will be a leading innovative educator, empowering future Business Ready® professionals.

Mission. Western Carolina University's College of Business is a leader among schools of business in graduating baccalaureate and master's degree students primarily from the lower Appalachians and the Carolina Piedmont who are Business Ready® to meet the needs of industries, markets, and institutions. Our faculty and students engage with our region, state, nation, and world through a broad range of scholarly activities.

Programs of study. Bachelor of Science in Business Administration (BSBA) (with majors in Accounting, Business Administration and Law, Computer Information Systems, Hospitality and Tourism Management, Innovation Leadership and Entrepreneurship, Finance, Management, Marketing, and Sport Management), Bachelor of Science in Economic Analysis and Entrepreneurship, Master of Accountancy, Master of Business Administration, Master of Innovation Leadership and Entrepreneurship, Master of Project Management, and Master of Sport Management. The Master of Business Administration and the Master of Accountancy are offered in Asheville; the Master of Entrepreneurship, the Master of Project Management, and the Master of Sport Management are web-based and available internationally.

Admission to BSBA programs. Admission requirements for specific programs can be found in the respective program descriptions. Consistent with the policy on transfer of course work, at least 30 semester hours of courses must be taken in the upper division at Western Carolina University toward the BSBA or BS degrees.

The Bachelor of Science in Business Administration (BSBA) degree. This degree program requires the following:

- Liberal Studies (42 hours)
- Business core courses (36 hours)
- Major program of study in business and elective courses (42 hours)
- Minimum requirements for BSBA Degree (120 hours)
- A minimum GPA of 2.0 is required in the major for graduation.

The major consists of the business core courses and hours in the major program of study. Appropriate prerequisites must be completed and at least 45 hours are required for enrollment in all courses numbered 300 or above in the College of Business.

Note: Students with majors outside the College of Business are prohibited from taking in excess of 25 percent of the hours required for their degree from College of Business courses.

Financial Planning, Certificate

Total number of hours for the program: 18.

Certificate Requirements

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

- ACCT 355 - Introduction to Income Taxation **Credits: 3**
- FIN 210 - Managing Your Money for Financial Success **Credits: 3**
- FIN 406 - Investment Strategies **Credits: 3**
- FIN 410 - Retirement Planning **Credits: 3**
- FIN 499 - Case Studies in Financial Planning **Credits: 3**
One of the following estate-planning classes:
- FIN 496 - Estate & Trust Planning **Credits: 3**
- LAW 496 - Estate and Trust Planning **Credits: 3**

Accountancy, Minor

Total number of hours for the program: 18.

Requirements

The minor requires 18 hours, including the following:

- ACCT 251 - Financial Accounting - A User Perspective **Credits: 3**
- ACCT 252 - Using Accounting Information for Management Decisions **Credits: 3**
- ACCT 351 - Intermediate Accounting I **Credits: 3**
- ACCT 352 - Intermediate Accounting II **Credits: 3**
- ACCT 355 - Introduction to Income Taxation **Credits: 3**
- ACCT 356 - Cost Accounting **Credits: 3**

Business Administration, Minor

Total number of hours for the program: 18.

The business administration minor is open to non-business majors.

Minor requirements:

Students must take 18 semester hours as follows:

- ACCT 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 - Principles of Marketing **Credits: 3**

**Plus one other course offered by the College of Business*

Conflict Resolution, Minor

Total number of hours for the program: 18.

The minor offers students an opportunity to learn and practice dispute resolution theory by becoming peer mediators and mediating campus disputes and observing court mediations.

Required hours (6 hours)

- LAW 285 - Alternative Dispute Resolution **Credits: 3**
- LAW 484 - Internship in Business Law **Credits: 3**

Elective hours (12 hours)

Select 12 hours from the following

- BA 304 - Business Communications in a Multicultural Environment **Credits: 3**
- CJ 311 - Juvenile Justice and Delinquency **Credits: 3**
- COMM 313 - Conflict Resolution **Credits: 3**
- COMM 415 - Intercultural Communication **Credits: 3**
- LAW 412 - Business Ethics and Corporate Responsibility **Credits: 3**
- MGT 302 - Labor-Management Relations **Credits: 3**
- MKT 409 - Negotiations/Relationship Marketing **Credits: 3**

Economics, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours including all of the following:

- ECON 231 - Introductory Microeconomics and Social Issues **Credits: 3**
- ECON 232 - Introductory Macroeconomics and Social Issues **Credits: 3**
Students must take one of the following courses:
- ECON 302 - Managerial Economics **Credits: 3**
- ECON 321 - Intermediate Microeconomics **Credits: 3**
Students should select one course from the following:
- QA 235 - Business Statistics **Credits: 3**
- MATH 170 - Applied Statistics **Credits: 3**
- MATH 270 - Statistical Methods I **Credits: 3**

Students should choose six hours of 300- or 400- level economics courses, which may include the following:

- GEOG 350 - Economic Geography **Credits: 3**

Entrepreneurship, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including:

- ENT 201 - Introduction to Entrepreneurship **Credits: 3**
- ENT 250 - Innovation and Creativity **Credits: 3**
- ENT 301 - Innovation Leadership **Credits: 3**
- ENT 325 - New Venture Creation **Credits: 3**
- ENT 350 - New Venture Execution **Credits: 3**

3 hours Business Elective. First Year Seminars numbered 195 cannot be applied toward a minor.

Finance, Minor

Total number of hours for the program: 18.

Requirements

The minor requires 18 hours, including all of the following:

- ACCT 251 - Financial Accounting - A User Perspective **Credits: 3**
- FIN 305 - Financial Management **Credits: 3**
- FIN 335 - Financial Institutions **Credits: 3**
- FIN 406 - Investment Strategies **Credits: 3**

Elective hours (6 hours)

Students should also select six hours of electives from the following:

- FIN 210 - Managing Your Money for Financial Success **Credits: 3**
- FIN 301 - Financial Statement Analysis **Credits: 3**
- FIN 410 - Retirement Planning **Credits: 3**
- FIN 440 - Bank Practice and Policy **Credits: 3**
- FIN 450 - Contemporary Managerial Finance **Credits: 3**
- FIN 470 - Portfolio Management **Credits: 3**
- FIN 496 - Estate & Trust Planning **Credits: 3**
- ACCT 351 - Intermediate Accounting I **Credits: 3**

Hospitality and Tourism, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including the following:

- HT 238 - Travel and Tourism **Credits: 3**
and 15 additional hours in HT courses, not including:
- HT 438 - Capstone: Hospitality & Tourism Management Strategy & Systems **Credits: 3**
- HT 483 - Internship **Credits: 3**

Management, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including all of the following three classes:

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

Students should also take nine hours of approved Management Electives.

Marketing, Minor

Total number of hours for the program: 18.

Minor Requirements

Students should take one of the following two Marketing classes:

- MKT 201 - Principles of Marketing **Credits: 3**

Electives

Students should also select 15 hours (five courses) from other marketing courses, which can include:

- SM 361 - Sport Marketing **Credits: 3**

Note: *First Year Seminars numbered 195 cannot apply toward a minor.*

Minor in Global Business

Total of numbers for the program: 18.

The minor in Global Business provides students with a coherent set of courses that examines business from a global perspective. It includes a study abroad option, which allows students to take business courses at universities worldwide, providing they are approved for credit. The anchor course is a 400-level management seminar in international business.

Minor Requirements

- MGT 495 - Seminar in International Management **Credits: 3**
and 15 hours selected from the following courses (up to 12 credit hours of IBUS 488 may be used):
- BA 304 - Business Communications in a Multicultural Environment **Credits: 3**
- ECON 406 - International Trade **Credits: 3**
- FIN 407 - International Finance **Credits: 3**
- HT 238 - Travel and Tourism **Credits: 3**
- HT 465 - International Studies in Hospitality & Tourism **Credits: 6**
- LAW 320 - International Business Law **Credits: 3**
- MKT 407 - Global Consumer Culture **Credits: 3**
- SM 350 - Global Sport and Culture **Credits: 3**

Computer Information Systems, BSBA

Total number of hours for program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements (24 hours)

- CIS 235 - Network Infrastructure and Security **Credits: 3**
- CIS 240 - Intro to Coding with Python **Credits: 3**
- QA 270 - Visual Data Storytelling **Credits: 3**
- CIS 335 - Enterprise Technology Management **Credits: 3**
- CIS 340 - Python for Analytics **Credits: 3**
- CIS 353 - Database Theory and Practice **Credits: 3**
- CIS 453 - Database Management Systems **Credits: 3**
- CIS 455 - Computer Information Systems Analysis and Design **Credits: 3**

Major Electives

Students should also choose three hours of program electives from the following:

- CIS 293 - Topics in Computer Information Systems **Credits: 1-3, R6**
- CIS 389 - Cooperative Education in Information Systems **Credits: 1-3, R15**
- CIS 465 - The CIS Profession **Credits: 3**
- CIS 480 - Independent Research in Information Systems **Credits: 3**
- CIS 483 - Internship in Information Systems **Credits: 1-3, R6**
- CIS 493 - Topics in Information Systems **Credits: 1-3, R15**
- CS 150 - Problem Solving and Programming I **Credits: 4**
- MGT 367 - Introduction to Project Management in Practice **Credits: 3**

General Electives

To complete 120 hours, students should take 12-16 hours (number depends on how many Liberal Studies courses also count toward the major.) To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Curriculum Guide

Visit the department's website at cis.wcu.edu to view the eight-semester curriculum guide.

Computer Information Systems, Minor

Total number of hours for the program: 18.

Minor Requirements

All course prerequisites must be followed.

The minor requires 18 hours including:

- CIS 235 - Network Infrastructure and Security **Credits: 3**
- CIS 240 - Intro to Coding with Python **Credits: 3**
- CIS 251 - Managing Enterprise Information Systems **Credits: 3**
- CIS 353 - Database Theory and Practice **Credits: 3**
and two courses (6 hours) selected from
- CIS 293 - Topics in Computer Information Systems **Credits: 1-3, R6**
- CIS 335 - Enterprise Technology Management **Credits: 3**
- CIS 340 - Python for Analytics **Credits: 3**
- CIS 453 - Database Management Systems **Credits: 3**
- CIS 455 - Computer Information Systems Analysis and Design **Credits: 3**
- CIS 493 - Topics in Information Systems **Credits: 1-3, R15**
- QA 270 - Visual Data Storytelling **Credits: 3**

Accounting, BSBA

Total number of hours for program: 120.

Note: A student must complete ACCT 351 with a grade of C or better before taking ACCT 352 or ACCT 454.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements

Students should take the following 22 hours in the major:

- ACCT 260 - Professionalism in Accounting **Credits: 1**
- ACCT 265 - Accounting Information Systems **Credits: 3**
- ACCT 351 - 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 454 - Auditing **Credits: 3**
- ACCT 495 - Senior Seminar **Credits: 3**

General Electives

To complete 120 hours, students should take 20-26 hours (the number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Curriculum Guide

Visit the department's website at accounting.wcu.edu to view the eight-semester curriculum guide.

Accelerated Bachelor's/Master's (ABM)

Undergraduate accounting majors may take a limited number of Master of Accountancy Program courses during their senior year under WCU's Accelerated Bachelor's to Master's (ABM) framework once they have met the following admission requirements:

- The student meets the criteria for the current GMAT waiver policy consisting of a 3.00 GPA overall and a 3.00 GPA in the four prerequisite accounting courses (ACCT 351, 352, 355, and 356).
- The student must have earned at least 75 student credit hours at the time of application for consideration by the program.

Other parameters are as follows:

- The student must earn a B or better in each of the graduate courses as an ABM student in order for it to count toward their graduate degree.
- The student must earn an average 3.00 GPA in undergraduate courses taken as an ABM student to continue in the ABM track.
- Students may take up to 6 hours of graduate credit as an ABM student
- No credits will double count for both the undergraduate degree and the graduate degree
- Students are limited to 1 graduate class per semester unless approved by both the graduate program director and the student's undergraduate advisor

See Graduate Catalog for specific courses available to ABM students.

Business Administration and Law, BSBA

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements

Students must take 21 hours in the major, including nine required hours and 12 elective hours.

Required courses (9 hours):

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

Law Elective Courses (12 hours)

Select four courses (12 hours) from the following:

- LAW 285 - Alternative Dispute Resolution **Credits: 3**
- LAW 302 - Legal Aspects of Managing Technology **Credits: 3**
- LAW 303 - Unfair Business Practices **Credits: 3**
- LAW 320 - International Business Law **Credits: 3**
- LAW 348 - Bankruptcy **Credits: 3**
- LAW 393 - Topics in Business Law **Credits: 1-3, R6**
- LAW 402 - Hospitality Law **Credits: 3**
- LAW 403 - Business Assets **Credits: 3**
- LAW 406 - Media Law **Credits: 3**
- LAW 410 - Litigation in Business **Credits: 3**
- LAW 420 - Risk Management and Liability in Sport **Credits: 3**
- LAW 440 - Labor and Employment Law **Credits: 3**
- LAW 475 - Legal and Professional Skills **Credits: 3**
- LAW 480 - Independent Research in Business Law **Credits: 3**
- LAW 483 - Internship in Business Law **Credits: 3**
- LAW 496 - Estate and Trust Planning **Credits: 3**

General Electives

To complete 120 hours, students should take 21-27 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Visit the department's website at blaw.wcu.edu to view the eight-semester curriculum guide.

Business Law, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including the following:

- LAW 105 - Introduction to Law **Credits: 3**
or
- LAW 230 - Legal and Ethical Environment of Business **Credits: 3**

Law Electives

Students must select five courses (15 hours) from the following:

- LAW 201 - Individual Rights **Credits: 3**
- LAW 275 - Business Organization **Credits: 3**
- LAW 285 - Alternative Dispute Resolution **Credits: 3**
- LAW 302 - Legal Aspects of Managing Technology **Credits: 3**
- LAW 303 - Unfair Business Practices **Credits: 3**
- LAW 306 - Women and the Law **Credits: 3**
- LAW 320 - International Business Law **Credits: 3**
- LAW 331 - Contracts and Sales **Credits: 3**
- LAW 348 - Bankruptcy **Credits: 3**
- LAW 393 - Topics in Business Law **Credits: 1-3, R6**
- LAW 402 - Hospitality Law **Credits: 3**
- LAW 403 - Business Assets **Credits: 3**
- LAW 406 - Media Law **Credits: 3**
- LAW 410 - Litigation in Business **Credits: 3**
- LAW 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**

Entrepreneurship, BS

Total number of hours for the program: 120.

Students must meet all requirements indicated, including a second major or minor.

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**
- ECON 231 - Introductory Microeconomics and Social Issues **Credits: 3**
- CIS 251 - Managing Enterprise Information Systems **Credits: 3**
or
- QA 270 - Visual Data Storytelling **Credits: 3**
- LAW 230 - Legal and Ethical Environment of Business **Credits: 3**
or
- LAW 412 - Business Ethics and Corporate Responsibility **Credits: 3**
- MKT 201 - Principles of Marketing **Credits: 3**
or
- MKT 310 - Consultative Selling **Credits: 3**
- MGT 300 - Introduction to Management **Credits: 3**
- ENT 201 - Introduction to Entrepreneurship **Credits: 3**
- ENT 250 - Innovation and Creativity **Credits: 3**
- ENT 301 - Innovation Leadership **Credits: 3**
- ENT 325 - New Venture Creation **Credits: 3**
- ENT 350 - New Venture Execution **Credits: 3**
- ENT 401 - Entrepreneurial Funding **Credits: 3**
- ENT 450 - New Venture Strategy **Credits: 3**
- ENT 475 - Entrepreneurial Experience **Credits: 3**

Students should also select six hours guided Business electives at the 300-400 level except ENT 335 in consultation with their advisor.

General Electives (30 hours)

Students must complete 120 hours for the degree including a second major or minor. The number of elective hours will depend on the requirements of the second major or minor.

Visit the department's website at entrepreneurship.wcu.edu to view the eight-semester curriculum guide.

Innovation Leadership and Entrepreneurship, BSBA

Total number of hours for the program: 120.

The Bachelor of Science in Business Administration ("BSBA") with a major in Innovation Leadership and Entrepreneurship ("ILE") provides students with the knowledge and skills to drive innovation within existing organizations or to create new ventures. The ILE builds a foundation in intrapreneurial and entrepreneurial concepts and skills. Students focus on identifying, driving, and leveraging innovation for both internal and external opportunities.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements

Students should take all of the following eight classes (24 hours):

- ENT 201 - Introduction to Entrepreneurship **Credits: 3**
- ENT 250 - Innovation and Creativity **Credits: 3**
- ENT 301 - Innovation Leadership **Credits: 3**
- ENT 325 - New Venture Creation **Credits: 3**
- ENT 335 - Intrapreneurship: Innovation within Organizations **Credits: 3**
- ENT 350 - New Venture Execution **Credits: 3**
- ENT 401 - Entrepreneurial Funding **Credits: 3**
- ENT 450 - New Venture Strategy **Credits: 3**

General Electives (18 to 24 hours)

To complete 120 hours, students should take 18-24 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Finance, BSBA

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements

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

Choose one of the following concentrations:

Financial Planning Concentration

Banking or Corporate Finance Concentration

For students interested in careers in banking and corporate finance.

- FIN 440 - Bank Practice and Policy **Credits: 3**
- FIN 450 - Contemporary Managerial Finance **Credits: 3**
Choose 3 courses from the following:
- ACCT 351 - Intermediate Accounting I **Credits: 3**
- ECON 303 - Monetary and International Economics **Credits: 3**
- FIN 301 - Financial Statement Analysis **Credits: 3**
- FIN 483 - Internship in Finance **Credits: 3, R9**

Financial Planning Concentration

This concentration should be chosen by students who wish to earn a Financial Planning Certificate. No substitutions are allowed to earn a Financial Planning Certificate.

- ACCT 355 - Introduction to Income Taxation **Credits: 3**
- FIN 210 - Managing Your Money for Financial Success **Credits: 3**
- FIN 410 - Retirement Planning **Credits: 3**
- FIN 496 - Estate & Trust Planning **Credits: 3**
- FIN 499 - Case Studies in Financial Planning **Credits: 3**

General Finance Concentration

For students interested in a general knowledge of the finance industry.

Choose 5 courses from the following:

- FIN 210 - Managing Your Money for Financial Success **Credits: 3**
- FIN 301 - Financial Statement Analysis **Credits: 3**
- FIN 350 - So You Want to Be a Millionaire **Credits: 3**
- FIN 389 - Cooperative Education in Finance **Credits: 1 or 3, R15**
- FIN 407 - International Finance **Credits: 3**
- FIN 409 - Entrepreneurial Finance **Credits: 3**
- FIN 410 - Retirement Planning **Credits: 3**
- FIN 440 - Bank Practice and Policy **Credits: 3**
- FIN 450 - Contemporary Managerial Finance **Credits: 3**
- FIN 470 - Portfolio Management **Credits: 3**
- FIN 480 - Independent Research **Credits: 3**
- FIN 483 - Internship in Finance **Credits: 3, R9**
- FIN 493 - Topics in Finance **Credits: 1-3, R6**
- FIN 496 - Estate & Trust Planning **Credits: 3**
- FIN 499 - Case Studies in Financial Planning **Credits: 3**
- ECON 303 - Monetary and International Economics **Credits: 3**
But no more than one of the following:
- ACCT 351 - Intermediate Accounting I **Credits: 3**
- ACCT 355 - Introduction to Income Taxation **Credits: 3**

Curriculum Guide

Visit the department's website at finance.wcu.edu to view the eight-semester curriculum guide.

Management, BSBA

Total number of hours for the program: 120.

The major is designed to prepare students for a successful career in business leadership through hands-on training that links theory and practice.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements

Students must take all of the following nine classes (27 hours):

- MGT 304 - Human Resource Management **Credits: 3**
- MGT 306 - Behavioral Science in Organizations **Credits: 3**
- MGT 366 - Applied Management Skills **Credits: 3**
- MGT 367 - Introduction to Project Management in Practice **Credits: 3**
- MGT 408 - Supply Chain Management **Credits: 3**
- MGT 495 - Seminar in International Management **Credits: 3**

Students should also select nine hours guided Business electives at the 300-400 level in consultation with their advisor.

General Electives

To complete 120 hours, students should take 24-30 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Curriculum Guide

Visit the department's website at management.wcu.edu to view the eight-semester curriculum guide.

Marketing, BSBA

Total number of hours for the program: 120.

This program is designed to prepare students for careers in sales and marketing.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements

Marketing BSBA requires 21 hours in the major. including both of the following:

- MKT 310 - Consultative Selling **Credits: 3**
And
- MKT 406 - Social Media Marketing **Credits: 3**
Students should also take five additional marketing electives (15 hours) at the 200-400 level.
Or
Students should take four additional marketing electives (12 hours) plus:
- SM 361 - Sport Marketing **Credits: 3**
** If MKT 206 is taken to satisfy the major requirement listed above, then MKT 310 cannot be applied as a required marketing elective.*
** If MKT 310 is taken to satisfy the major requirement listed above, then MKT 206 cannot be applied as a required marketing elective.*

Electives

To complete 120 hours, students should take 24-30 hours (the number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Note: Students may select various interest areas, such as digital marketing, sales management, or general marketing, by carefully choosing their electives in consultation with their academic advisor.

Curriculum Guide

Visit the department's website at salesandmarketing.wcu.edu to view the eight-semester curriculum guide.

Sport Management, BSBA

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements: (34 hours)

Students should take all ten courses (28 hours) in the following list:

- SM 260 - Introduction to Sport Management **Credits: 3**
- SM 283 - Apprenticeship **Credits: 1, R3**
- SM 340 - Sport Ethics **Credits: 3**
- SM 361 - Sport Marketing **Credits: 3**
- SM 420 - Risk Management and Liability in Sport **Credits: 3**
- SM 435 - Sport Event and Facility Management **Credits: 3**
- SM 446 - Sport Media **Credits: 3**
- SM 460 - Financial Aspects of Sport **Credits: 3**
- SM 484 - Internship in Sport Management **Credits: 3**
- SM 495 - Sport Management Strategy **Credits: 3**

Major Electives

Students should select six hours (two courses) from the following:

- SM 293 - Topics in Sport Management **Credits: 1-3, R6**
- SM 314 - Sport Analytics **Credits: 3**
- SM 350 - Global Sport and Culture **Credits: 3**
- LAW 331 - Contracts and Sales **Credits: 3**
- MKT 310 - Consultative Selling **Credits: 3**
- MKT 406 - Social Media Marketing **Credits: 3**

General Electives

To complete 120 hours, students should take 15-19 hours (the number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Curriculum Guide

Visit the department's website at sportmanagement.wcu.edu to view the eight-semester plan.

Sport Management, Minor

Total number of hours for the program: 18.

Minor requirements:

The minor, open to non-Sport Management majors, requires 18 hours, including:

- SM 260 - Introduction to Sport Management **Credits: 3**
(*Must be taken before any 300-400 level SM courses.*)
- **Students should also take selective courses (15 hours) from the following:**
- SM 293 - Topics in Sport Management **Credits: 1-3, R6**
- SM 314 - Sport Analytics **Credits: 3**
- SM 340 - Sport Ethics **Credits: 3**
- SM 350 - Global Sport and Culture **Credits: 3**
- SM 361 - Sport Marketing **Credits: 3**
- SM 420 - Risk Management and Liability in Sport **Credits: 3**
- SM 435 - Sport Event and Facility Management **Credits: 3**
- SM 446 - Sport Media **Credits: 3**
- SM 460 - Financial Aspects of Sport **Credits: 3**

Additional requirements:

Please check the catalog description for specific requirements.

Visual Analytics for Decision Making, Minor

Total number of hours for the program: 18.

Data, when visualized effectively, can inform decision-making and influence public and corporate policy. In this minor, students will gain the concepts and skills required to retrieve, transform, and shape data from a wide variety of data sources. They will learn to then use this shaped data to create visualizations, dashboards, and stories to illuminate underlying patterns in the data and lead to actionable insights.

Required Courses (12 hours)

- CIS 240 - Intro to Coding with Python **Credits: 3**
- CIS 370 - Data for Visual Storytelling **Credits: 3**
- QA 270 - Visual Data Storytelling **Credits: 3**
- QA 360 - Business Intelligence **Credits: 3**

Elective Courses (Choose six hours from the following list)

- ACCT 265 - Accounting Information Systems **Credits: 3**
- CIS 340 - Python for Analytics **Credits: 3**
- ECON 304 - Econometrics **Credits: 3**
- FIN 499 - Case Studies in Financial Planning **Credits: 3**
- MGT 308 - Supply Chain Management **Credits: 3**
- MGT 402 - Production and Operations Management **Credits: 3**
- MKT 360 - Foundations of Internet Marketing **Credits: 3**
- MKT 406 - Social Media Marketing **Credits: 3**
- SM 314 - Sport Analytics **Credits: 3**

Hospitality Tourism Management, BSBA

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements (24 hours)

The following 18 hours are required in the major:

- HT 241 - Introduction to Events, Conferences, and Festival Management **Credits: 3**
- HT 334 - Food & Beverage Management **Credits: 3**
- HT 335 - Lodging and Resort Management **Credits: 3**
- HT 436 - Tourism Planning and Development **Credits: 3**

- HT 438 - Capstone: Hospitality & Tourism Management Strategy & Systems **Credits: 3**
- HT 483 - Internship **Credits: 3**

HT Electives

Choose six hours from the following:

any HT course not listed as a required course in the major

- MGT 304 - Human Resource Management **Credits: 3**
- MKT 310 - Consultative Selling **Credits: 3**
- MKT 406 - Social Media Marketing **Credits: 3**

General Electives

To satisfy general university degree requirements, students must take at least 120 hours, of which 30 hours must be at the junior-senior level at WCU.

Visit the department's website at ht.wcu.edu to view the eight-semester curriculum guide.

Economic Analysis, BS

Total number of hours for the program: 120.

Students must meet all requirements indicated, including a second major or minor.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 43 hours as follows:

Major Core Requirement (37 hours):

- ECON 231 - Introductory Microeconomics and Social Issues **Credits: 3**
- ECON 232 - Introductory Macroeconomics and Social Issues **Credits: 3**
- ECON 321 - Intermediate Microeconomics **Credits: 3**
- ECON 322 - Intermediate Macroeconomics **Credits: 3**
- ECON 404 - Research Methods in Economics **Credits: 3**
- MATH 153 - Calculus I **Credits: 4**
- MGT 300 - Introduction to Management **Credits: 3**
- and*
- MATH 170 - Applied Statistics **Credits: 3**
- or*
- QA 235 - Business Statistics **Credits: 3**
- and*

Students should choose an additional four Economics courses at the 300/400 level.

Interdisciplinary Courses (6 hours)

Students should take six hours from one of the following interdisciplinary areas:

Analytical and Quantitative
Behavior

Historical Thought
Policy

Analytical and Quantitative Area

Students who choose to take Interdisciplinary Courses in the Analytical and Quantitative area should take two of the following:

- MATH 255 - Calculus II **Credits: 4**
- MATH 256 - Calculus III **Credits: 4**
- MATH 375 - Statistical Methods II **Credits: 3**
- PAR 230 - Legal, Scientific, & Critical Reasoning **Credits: 3**

Behavior Area

Students who choose to take Interdisciplinary Courses in the area of Behavior should take two of the following:

- PSY 270 - Evolutionary Psychology **Credits: 3**
- PSY 309 - Social Psychology **Credits: 3**
- PSY 313 - Organizational and Industrial Psychology **Credits: 3**
- PSY 430 - Personality **Credits: 3**

Historical Thought Area

Students who choose to take Interdisciplinary Courses in the area of Historical Thought should take two of the following:

- HIST 233 - U.S. Legal History **Credits: 3**
- HIST 335 - History of Capitalism **Credits: 3**
- HIST 336 - The U.S. in the Age of Capital **Credits: 3**
- PAR 304 - Ancient Greek and Roman Thought **Credits: 3**
- PAR 313 - Philosophy of Law **Credits: 3**

Policy Area

Students who choose to take Interdisciplinary Courses in the area of Policy should take two of the following:

- ANTH 327 - Economic Anthropology **Credits: 3**
- ANTH 349 - Engaged Anthropology **Credits: 3**
- PAR 313 - Philosophy of Law **Credits: 3**
- PAR 392 - Global Justice, Liberty, and Human Rights **Credits: 3**
- PSC 322 - Public Administration **Credits: 3**
- PSC 325 - Public Policy **Credits: 3**
- PSC 353 - International Political Economy **Credits: 3**
- SOC 245 - Social Inequality **Credits: 3**
- SOC 373 - Globalization **Credits: 3**

General Electives (29-35 hours):

To complete 120 hours, students should take 29-35 hours (number depends on how many Liberal Studies courses also count toward the major).

Cybersecurity, Minor

Total number of hours for the program: 18.

This minor is designed to meet the need for a skilled workforce prepared to assist organizations protect their network infrastructure, their employees, and customers from data loss and theft.

Minor Requirements

Students declaring the minor will be required to complete 18 hours (6 courses) of coursework:

- CIS 235 - Network Infrastructure and Security **Credits: 3**
or
- CS 465 – Computer Networking **Credits: 3**
- CIS 245 - Introduction to Cybersecurity **Credits: 3**
or
- CS 466 - Information Security I **Credits: 3**
- CIS 467 - Ethical Hacking **Credits: 3**
- CIS 468 - Case Studies in Cybersecurity **Credits: 3**
- LAW 302 - Legal Aspects of Managing Technology **Credits: 3**
- MGT 367 - Introduction to Project Management in Practice **Credits: 3**
or
- CS 370 - Operating Systems **Credits: 3**

College of Education and Allied Professions

Office Information:

220 Killian Building
(828) 227-7311

Website: <https://www.wcu.edu/learn/departments-schools-colleges/ceap/>

Dr. Kim Winter, Dean
Dr. Patricia Bricker, Associate Dean

Faculty and Staff Directory: <https://www.wcu.edu/learn/departments-schools-colleges/ceap/about-the-college/office-of-the-dean/>

The College of Education and Allied Professions seeks to prepare professional personnel for the schools and colleges of the state and region and for other educational and service agencies. It coordinates all teacher education curricula at the university and provides services to individuals, schools, and regional educational and professional agencies. It undertakes continuous evaluation to assure curricula and professional services of high quality and coordinates the screening, selection, and counseling of students pursuing programs of study in the school.

The Bachelor of Science and Bachelor of Science in Education degrees are awarded upon completion of the undergraduate programs offered in the college. The Bachelor of Science degree is awarded in birth-kindergarten, psychology, and parks and recreation management. The Bachelor of Science in Education degree is normally awarded to those completing a teacher education program. Students may pursue programs leading to the Bachelor of Arts or Bachelor of Science degrees simultaneously with a program in teacher education, but must fulfill all requirements of an approved teacher education program.

Teacher Education Program

Admission and retention policies in teacher education programs are based on the standards and guidelines of the State of North Carolina and the Council for the Accreditation of Educator Preparation (CAEP). Approved institutions must have established procedures for implementing decisions regarding admission to and retention in teacher education programs. The state and CAEP guidelines require continuous evaluation of students admitted to teacher education programs and states that those found unlikely to succeed as teachers should be withdrawn. Our undergraduate teacher education programs include:

- Birth-Kindergarten, BS (Professional Education Concentration)
- Elementary, BSEd
- Elementary Second Degree Program, BSEd
- Middle Grades, BSEd
- Inclusive, BSEd
- Health and Physical Education, BSEd
- Art, BSEd
- Music, BSEd
- English, BSEd
- Mathematics, BSEd
- Science, BSEd (all concentrations including Earth Sciences, Biology, Chemistry, and Physics)
- Social Sciences, BSEd

Conceptual Framework for the Professional Education Program

The professional education program at Western Carolina University fulfills its mission by creating and nourishing a community of learners guided by knowledge, values, and experiences. The guiding principles of this community include the belief that the best educational decisions are made after adequate reflection and with careful consideration of the interests, experiences, and welfare of the persons affected by the decisions; with appreciation of and respect for diversity; and with the fostering of the responsible use of technology.

Teacher Education Diversity, Equity, and Inclusion Principles

In WCU's teacher education programs, we believe educators are front-line workers for creating a more equitable and just society. We center diversity, equity, and inclusion in all aspects of our educational programs. We recognize our responsibility in ensuring future educators understand the impact that teachers, schools, and educational systems play in the disruption of inequity or the continued perpetuation of marginalization. Therefore, we commit to the following DEI Principles with regard to our people, pedagogy, professional learning, and priorities.

1. **People** - Our teacher education programs value diversity in candidates, faculty, and staff and will intentionally recruit and create systems that help retain diverse people. In our community, we explore our own experiences and identities, examine our prejudices, and actively engage in critical self-reflection and growth. We endeavor to cultivate teacher candidates with equity-minded dispositions who strive to create equitable classroom environments in which all students are valued and can be successful, who challenge inequities within schools, and who advocate for a more just and equitable society.
2. **Pedagogy** - We will teach asset-based, culturally relevant instructional approaches and model those approaches within our classrooms. We will provide field experiences that allow our candidates the opportunity to work with diverse students. Our curricula will explicitly address the impacts of intersecting, systemic forces such as, but not limited to: Colonialism, white supremacy, patriarchy, bias against people who are LGBTQIA+, religious intolerance, and ableism that historically and currently lead to discrimination and injustices within schools and our larger society.

3. **Professional Learning** - The teacher educator faculty and staff will engage in continuous learning opportunities about diversity, equity, and inclusion, realizing the necessity for constant recalibration to meet these ends. Moreover, our teacher education faculty and staff will provide co-curricular learning opportunities for students about diversity, equity, and inclusion. We also commit to collaborating with regional school partners and community organizations to advance DEI professional learning opportunities for in-service educators and community members.
4. **Priorities** - The teacher education program will prioritize and support DEI-focused teaching, service, and scholarship and the faculty, staff, and students leading such work.

Our emphasis on diversity, equity, and inclusion throughout all aspects of our teacher education programs will enable the cultivation of Culturally relevant, Asset minded, Technically skillful, and Student-centered educators. Go CATS!

Teacher Education Dispositions

Western Carolina University's initial licensure Teacher Education program has adopted the Educator Dispositions Assessment (EDA) as our assessment of dispositions. The EDA includes dispositions that address:

- Oral Communication Skills
- Written Communication Skills
- Professionalism
- Positive and Enthusiastic Attitude
- Preparedness in Teaching and Learning
- Appreciation and Value for Cultural and Academic Diversity
- Collaboration with Stakeholders
- Self-regulated Learner Behaviors/Taking Initiative
- Social and Emotional Intelligence

Candidates are required to display behavior demonstrating these dispositions across all settings associated with their university program and field-based requirements.

Admission to the Teacher Education Program

Acceptance and registration in a department do not guarantee admission to the teacher education program in that department. The applicant's fitness for teaching in the chosen area is determined by demonstrated academic ability and other personal characteristics conducive to effective teaching. A student may be considered suitable in one area and unsuitable in another. Students with disabilities that may impact successful teaching should consult with the Director of Teacher Education and the Office of Accessibility Resources.

Students who plan to receive a degree in education or a license through Western Carolina University must apply for and be officially admitted to a teacher education program.

Admission to teacher education requires an application that should be completed during the semester in which the student is enrolled in EDCI 201 (BK 250 for Birth-Kindergarten (BK) majors), which is a prerequisite to all other courses in the professional education sequence. Applications are available online by logging into Tk20. See information on Admission to the Teacher Education program at <https://www.wcu.edu/learn/departments-schools-colleges/ceap/stl/admission-to-teacher-education.aspx/>

Admission Criteria

All requirements for admission to teacher education should be met by the end of the semester if the student completes the "Introduction to Teacher Education" requirement (EDCI 201 or, for BK majors only, either BK 250 or completion of the AAS to BS/Early Childhood Program). To meet the minimum requirements for admission, students should have met all the following criteria:

- Completed at least 30 hours (which can also include transfer hours)

- Earned a C (2.00) or higher grade in ENGL 101--NOTE: Earning a C (2.00) or higher grade in ENGL 202 is required before beginning Internship 1
- Earned a C (2.00) or higher in EDCI 201 or, for BK majors only, BK 250 (Not applicable for BK majors that have completed the AAS to BS/Early Childhood Program)
- Earned a minimum cumulative GPA of 2.75; that minimum GPA must be maintained to remain in the program
- Achieved the minimum required scores on the SAT, ACT, or Praxis Core (Reading, Writing, Mathematics)
- Subscribed to Tk20, our electronic portfolio system
- Completed the Professional Dispositions Contract
- Completed the background check approved by the WCU Teacher Education program
- Submitted the application for Admission to Teacher Education on Tk20

Applicants already holding non-teacher education degrees and seeking a teaching license must meet all the above requirements, except they are not required to take the Praxis Core. Applicants with non-teaching degrees from accredited institutions who did not have a cumulative GPA of at least 2.75 should consult with the Coordinator of Teacher Education Admissions.

Students must have maintained satisfactory conduct and citizenship records in keeping with the ethics of the teaching profession. Applicants with a record of legal offenses may not be eligible for admission to teacher education.

Readmission to Teacher Education

Students whose WCU enrollment is interrupted for three consecutive semesters (any combination of fall, spring, summer) or who are dismissed from the university are required to seek readmission to the Teacher Education Program upon their return. Readmission to the Teacher Education program requires students to meet admission criteria in place at the time the readmission application is submitted.

A student who is readmitted to the university after dismissal, suspension, or expulsion will not be readmitted to the teacher education program the first term after returning.

Continuation in the Teacher Education Program

The requirements for continuing in the program are as follows:

- A GPA of at least 2.75 on hours attempted
- Behavior that adheres to the NC code of ethics of the profession and the professional dispositions of the College of Education and Allied Professions
- Satisfactory participation in the required professional field experiences that are prerequisite to internship.
- 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.

Professional Education Sequence Core

All undergraduate initial licensure teacher education programs include a Professional Education Sequence core set of requirements. These include:

1. Core Courses (6-9 credit hours)
 1. Introduction to teacher education (0-3 credit hours): EDCI 201, or for Birth-Kindergarten majors only - BK 250, or completion of the AAS to BS/Early Childhood Program
 2. Special education (3 credit hours): SPED 240, or for Birth-Kindergarten majors only - BKSE 345
 3. Culturally relevant classroom management (3 credit hours): EDCI 430, or for Inclusive Education majors only - SPED 430, or for Health and Physical Education majors only - HPE 343, or for Birth-Kindergarten majors only - BK 361

2. Year-long Internship
3. Key Assessments
 1. Educator Disposition Assessment
 2. Professional Beliefs about Diversity Scale
 3. Early Field Experience Evaluation of Student Observer
 4. Professional Development Plan
 5. edTPA
 6. North Carolina Certification of Teaching Capacity or accepted equivalent final intern evaluation

Each program has identified additional courses that are part of their specific Professional Education Sequence and that require admission to the Teacher Education program. This information is provided in their catalog descriptions.

Clinical and Field Experience for Professional Education

In addition to the internship requirement, the teacher education program requires field experiences in conjunction with several courses. Students are expected to make their own arrangements for transportation and housing and absorb the costs related to field experiences and internships. Each program has different requirements, and students should discuss costs with the program head before applying for admission to the teacher education program. The goal of professional education clinical and field experiences is to help teacher education students learn to teach all of their pupils to achieve 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:

- Field experience placements are made so that students can work with qualified educators in successful programs.
- Field experience placements are made so that students have the opportunity to work with diverse learners. Teacher education students are required to complete one field experience in a diverse setting, as defined by the College of Education and Allied Professions. Students who do not complete one of the early field experience requirements in a diverse setting must be placed in a diverse setting for the internship semester.
- Field experience placements are made in collaboration with K-12 school personnel.
- Field experience placements are made to facilitate appropriate supervision of students.
- Students can sometimes combine early field experience placements to meet multiple course requirements. This is approved for no more than two classes.

Admission to Internship

Students apply to the Director of Field Experiences early in the semester before the semester in which the internship is to be done. The requirements for admission to the internship are:

- Completion of at least 39 of 42 hours required for Liberal Studies
- Admission into the Teacher Education program for at least one semester
- Completion of at least ninety hours in a teacher education curriculum
- A GPA of 2.75 or above, both at the beginning of the term immediately preceding the student internship term and at the time of enrollment in the internship
- Completion of at least two-thirds of the major
- Completion of all records designated by the Director of Field Experiences
- Completion of the applicable professional education sequence, except for internship and the internship seminar
- Completion of an approved background check
- Completion of internship application including a recommendation by the advisor and program coordinator
- All other requirements from the school placement as applicable.

Continuation in Internship

To continue in an 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 Director of Teacher Education, students failing to perform at a satisfactory level may be removed from the internship. Removal from a school placement is considered a failed internship. The Office of Field Experiences is under no obligation to place the student in another setting. Removal from a school placement will result in a grade no higher than a D.

Requirements for Teacher Licensure

To be eligible for a recommendation from WCU for an initial teaching license in North Carolina, a student must meet the following criteria:

- Complete one of the approved teacher-education programs
- Achieve a minimum grade of C (2.00) in an internship
- Meet WCU edTPA assessment requirements
- Receive a public school recommendation indicating that the internship was successful
- Receive a satisfactory recommendation on the standard final internship evaluation
- Complete the application for licensure and file it with the Licensure Officer of the College of Education and Allied Professions
- Meet WCU testing requirement for PRAXIS II and Pearson tests
- Receive a professional recommendation for an Initial Professional License (IPL) by the Licensure Officer of the College of Education and Allied Professions
- Pay the license fee required by the Department of Public Education for the issuance of a teacher license

Academically or Intellectually Gifted (AIG) Add-on Licensure (K-12)

Total number of hours for the program: 12.

Licensure in AIG may be obtained by students holding or eligible for a North Carolina license in any area. The program requires 12 hours and includes SPED 400, SPED 471, SPED 475, and SPED 477. The licensure program is completely online except for a one-week field experience associated with SPED 400 that takes place in the summer.

Additional Information:

Visit the department's website at: <https://www.wcu.edu/learn/departments-schools-colleges/ceap/stl/academically-or-intellectually-gifted-certification-k-12.aspx> for additional information.

Leadership, Minor

Total number of hours for the program: 18.

The LEAD Minor is an interdisciplinary minor focused on providing in-depth instruction and participatory learning opportunities for students who wish to further develop their leadership potential and skills. Designed to be complementary to students' intended majors, the minor provides developmental opportunities aimed at enhancing leadership potential in collegiate, local, regional, national, international, and professional settings. The LEAD Minor is rooted in the tenets of the Social Change Model of Leadership.

The LEAD Minor consists of 18 credit hours of coursework. Of those credit hours, nine are required courses and nine may come from approved electives. Within the elective options, there are three types of courses: LEAD Core Electives, LEAD Track Electives, and Partner-Program Electives. A maximum of three credit hours can come from the courses designated as LEAD Track Electives. Students from any major may elect to complete the LEAD Minor.

Required Courses (9 hours required)

Students must take all three required courses for a total of nine hours.

- LEAD 244 - Principles of Leadership **Credits: 3**
- LEAD 344 - Advanced Leadership Practices **Credits: 3**
- LEAD 444 - Leadership Minor Capstone **Credits: 3**

Electives (9 hours required)

Students must take 9 hours of approved electives. There are three categories of approved electives: LEAD Core Electives, LEAD Track Electives, and Partner-Program Electives. A maximum of 3 hours can come from within the LEAD Track Electives.

LEAD Core Electives

- LEAD 249 - Diversity and Leadership **Credits: 3**
- LEAD 250 - Leadership Lessons Through Film **Credits: 3**
- LEAD 294 - Special Topics in Leadership **Credits: 1-3, R6**
- LEAD 300 - Leadership for Racial Justice **Credits: 3**
- LEAD 301 - Women-Centered Leadership **Credits: 3**
- LEAD 302 - International Perspectives of Leadership **Credits: 3**
- LEAD 343 - Dimensions of Spirituality in Leadership **Credits: 3**
- LEAD 346 - Civic Engagement and Leadership **Credits: 3**
- LEAD 494 - Special Topics in Leadership **Credits: 1-3, R6**

LEAD Track Electives (maximum of 3 hours)

- LEAD 140 - Freshman Leadership Initiative I **Credits: 2**
- LEAD 141 - Leadership in the Campus Community I **Credits: 1, R3**
- LEAD 150 - Band of Brothers: Leadership and Masculinity **Credits: 2**
- LEAD 151 - Secrets of Powerful Women **Credits: 2**
- LEAD 152 - Going Green: Leadership & Environmental Responsibility **Credits: 2**
- LEAD 153 - Global Awareness & Citizenship: Leadership from a Global Perspective **Credits: 2**
- LEAD 156 - Cultural Competency & Social Justice **Credits: 2**
- LEAD 180 - Freshman Leadership Initiative II **Credits: 2**
- LEAD 241 - Leadership in the Campus Community II **Credits: 1**
- LEAD 483 - Leadership Minor Internship **Credits: 1-3**

Partner-Program Electives

- BA 195 - Movers and Shakers: Experienced Leaders and Experiential Leadership **Credits: 3**
- ENT 195 - Social Entrepreneurship: Creating Innovative Solutions to Social Problems **Credits: 3**
- ENT 301 - Innovation Leadership **Credits: 3**
- HPE 305 - Adventure-Based Learning **Credits: 3**
- MGT 300 - Introduction to Management **Credits: 3**
- PAR 102 - Western Moral Traditions **Credits: 3**
- PRM 270 - Leadership and Group Dynamics in Recreation **Credits: 3**
- PSC 101 - American Government and Politics **Credits: 3**
- PSC 169 - Global Issues **Credits: 3**
- SOC 103 - Human Society **Credits: 3**
- SOC 240 - Social Change **Credits: 3**
- SOC 448 - Social Movements **Credits: 3**
- SOCW 251 - Social Issues, Policy and Programs **Credits: 3**

Parks and Recreation Management, Minor

Total number of hours for the program: 18.

The minor in parks and recreation management requires 18 hours consisting of PRM 250, PRM 270, and any 12 hours of additional PRM courses.

Minor Requirements

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 PRM electives

Psychology, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including the following required course:

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

To complete the minor, students should take 15 hours of Psychology electives.

English, BSEd

Total number of hours for the program: 120.

Admission to the English, BSEd Program

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

Admission to the Professional Education Sequence

English BSEd students should apply to the Teacher Education Program during their sophomore year. To take Professional Education Sequence courses, English BSEd students must be admitted to the Teacher Education Program and are subject to all teacher education requirements. EDCI 201 and SPED 240 are the only courses in the Professional Education Sequence that students may take before being admitted to the Teacher Education Program.

Continuation in the English BSEd Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. In addition to these requirements, students must achieve a minimum 2.75 GPA in the major before they can be recommended for Internship I, and no grade below a C (2.00) for any required course in the core 34 hours in English will be accepted.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Major Requirements 48 hours

The major requires 48 hours as follows:

Modern Foreign Languages: 6 hours

Any 6 hours of World Languages or alternatives such as Cherokee and American Sign Language.

English Education Core: 15 hours

- ENGL 211 - Introduction to Film and Literature **Credits: 3**
- ENGL 212 - Introduction to Creative Writing and Editing **Credits: 3**
- ENGL 213 - Introduction to Professional Writing and Editing **Credits: 3**
- ENGL 214 - Introduction to Public Rhetorics **Credits: 3**
- ENGL 215 - Descriptive Linguistics **Credits: 3**

Grammar/Writing/Methods: 12 hours

- ENGL 312 - Grammar for Teachers **Credits: 3**

- ENGL 319 - Grammar, Language, and Discourse **Credits: 3**
- ENGL 414 - Fundamentals of Teaching Composition **Credits: 3**
and
- ENGL 413 - ESL Methods for Content Teachers **Credits: 3**
or
- ENGL 416 - Teaching English as a Second Language **Credits: 3**

Required Literature: 6 hours

- ENGL 418 - Fundamentals of Teaching Literature **Credits: 3**
- ENGL 422 - Adolescent Literature in Secondary Schools **Credits: 3**

Literature Electives 9 hours

Nine hours from any 300-400 level literature courses with an ENGL prefix or EDRD 467 - Adolescent Literature. Three of these hours may be a course in film studies with an ENGL prefix (♦). NOTE: NO more than ONE liberal studies course may be used to meet the major requirements for the English degree.

- ENGL 333 - Introduction to Shakespeare **Credits: 3**
- ENGL 350 - The Renaissance **Credits: 3**
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature **Credits: 3**
- ENGL 352 - The Journey in Literature **Credits: 3**
- ENGL 353 - Stories Retold **Credits: 3**
- ENGL 366 - Literature and Immigration **Credits: 3**
- ENGL 367 - Appalachian Literature **Credits: 3**
- ENGL 368 - Film Genres **Credits: 3, R6**
- ENGL 378 - Motion Picture Histories **Credits: 3 ♦**
- ENGL 390 - The Bible as Literature **Credits: 3**
- ENGL 394 - Film Adaptation **Credits: 3, R6 ♦**
- ENGL 419 - Medieval Literature **Credits: 3**
- ENGL 420 - Chaucer and His Age **Credits: 3**
- ENGL 421 - Fairy Tale, Myth, and Legend **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 450 - Seminar in English Studies **Credits: 3, R6**
- ENGL 451 - Nineteenth-Century British Writers **Credits: 3**
- ENGL 459 - Southern 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 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 474 - Literary Theory **Credits: 3**
- ENGL 475 - Modernism and the Little Magazine **Credits: 3**
- ENGL 477 - Literature, Gender, and Culture **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 - Jobs in the Changing Workplace **Credits: 3**

Additional Requirements

Professional Education Sequence: BSEd in English

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**
- ENGL 417 - Methods for Teaching English **Credits: 3**

Intern I

- EDSE 484 - Supervised Internship I **Credits: 1-3**

Intern II

- EDSE 485 - Internship II **Credits: 6**
- EDSE 495 - Seminar **Credits: 3**
- ENGL 491 - Supervised Student Teaching in English, 9-12 **Credits: 3**

Note: You must be fully admitted into the Teacher Education program and have a 2.75 cumulative GPA to enroll in all courses in the Professional Education Sequence except for EDCI 201 and SPED 240.

Required Coordinating Major

All BSEd Secondary Education-English majors must also enroll in the BA-English degree program. Any BA English concentration may be selected (i.e. Literature, Professional Writing, Motion Picture Studies or English Studies Pedagogy) but the English Studies Pedagogy (ESP) concentration allows completion of both degrees within 120 hours. BSEd Secondary Education-English students who enroll in the BA-English ESP concentration satisfy the BA language requirement with the language requirement of the BSEd Secondary Education-English (six hours in any foreign language or languages). Selection of any other BA-English concentration requires completion of the prescribed BA foreign language requirement (six hours MFL 231/232 or 240) and may require students to take coursework beyond 120 hours to complete the requirements of both programs. BA English (Literature, Professional Writing, English Studies Pedagogy or Motion Picture Studies) students who elect to enroll in the Professional Writing, Film Studies, Literature or Creative Writing minor may not use an ENGL course for both the major and the minor; double counting of a course between those majors and this minor is not allowed. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university requirements. Students must maintain a minimum 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the core 34 hours in English will be accepted. A total of 120 hours is required to graduate. English Education students are encouraged to take ENGL classes as general electives to meet the 120-hour requirement. Visit the department's website to view the eight-semester curriculum guide.

General Electives

Students must complete all liberal studies requirements and general electives as needed to reach the total of 120 hours. English Education students are encouraged to take ENGL classes as general electives to meet the 120 hour requirement. Visit the department's website at english.wcu.edu to view the eight-semester curriculum guide.

Elementary Education Second Degree Program

Admission to the Elementary Education Second Degree Program

Students seeking admission to the Elementary Education Second Degree Program and initial licensure must already hold a BS or BA degree from an accredited institution. Bachelor's degrees from within the UNC system will waive Liberal Studies requirements. Degrees from out-of-state institutions will be evaluated on a case-by-case basis. Students entering the Elementary Education Second Degree program must declare their major and document a 2.75 cumulative GPA at the time of graduation before being admitted. To be admitted, students must meet the requirements for admission to the Teacher Education Program. Students admitted to the second degree program are not required to take the PRAXIS Core exam and will not need to declare a second academic concentration. However, while enrolled in the program, all students must maintain a 2.75 GPA or better to remain in good standing. In addition to courses in the professional education sequence and courses in the major, Second Degree Elementary Education teacher candidates must earn a C or better in the following courses: ENGL 101 and ENGL 202. Students whose overall GPA falls below 2.75 will be removed from the program and must improve their GPA and reapply for admission. If a student receives an F in any course in the professional education sequence or major, the student must retake the course when it is offered and earn a grade of C or better. Students who fail any required major course twice are withdrawn from the major. Students who do not successfully complete an internship may be withdrawn from the program and become ineligible for licensure.

Teacher Education Program Requirements

All students who declare a major in the Elementary Education Second Degree program must apply and meet all requirements for admission to and continuation in the Teacher Education Program. Students must be admitted to the Teacher Education program prior to taking most courses in the Professional Education Sequence. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken before admission to teacher education.

Continuation in the Elementary Education Second Degree Program

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

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence for Elementary Education (29 Hours)

The professional education sequence for elementary education requires 29 hours including the following:

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**
- EDEL 390 - Practicum I **Credits: 3**

Intern I

- ELMG 484 - Supervised Internship I **Credits: 3**
- EDEL 339 - Seminar for Creating Responsive Learning Communities in the Elementary Grades **Credits: 2**

Intern II

- ELMG 485 - Supervised Internship II **Credits: 9**

Note: You must be fully admitted into the teacher education program and have a 2.75 cumulative GPA to enroll in all courses in this professional education sequence except for EDCI 201 and SPED 240.

- ELMG 495 - Seminar for Student Teachers **Credits: 3**

Elementary Education Second Degree Major Course Requirements

The major course requirements for Elementary Education Second Degree include as follows:

- MATH 321 - Reasoning about Change, Measurement, Chance, and Data for Teaching **Credits: 3**
- PSY 320 - Developmental Psychology I: Childhood **Credits: 3**
- EDEL 311 - Elementary Curriculum **Credits: 3**
- EDEL 415 - Language Arts Methods for Grades K-6 **Credits: 3**
- EDEL 416 - Science Methods for Grade K-6 **Credits: 3**
- EDEL 417 - Social Studies Methods for Grades K-6 **Credits: 3**
- EDEL 428 - Mathematics Methods 1 for Grades K-6 **Credits: 3**
- EDEL 429 - Mathematics Methods 2 for Grades K-6 **Credits: 3**
- EDEL 446 - Digital Literacy Methods for Grades K-6 **Credits: 3**
- EDRD 303 - Children's Literature for Teaching Reading, K-6 **Credits: 3**
- EDRD 420 - K-6 Reading Methods **Credits: 3**
- EDRD 440 - Reading Diagnosis and Instruction for Grades K-6 **Credits: 3**

Parks and Recreation Management, BS

Total number of hours for the program: 120.

The Parks and Recreation Management Program promotes resourcefulness, independent thinking, the ability to cope with change, and service to society, by preparing leaders in the parks, recreation, and leisure services fields. The program prepares professionals to design, plan, promote, and deliver the physical and social components of the leisure

service industry. This includes skills in administration, management, research and evaluation, leadership, and instruction. Graduates will be prepared to manage resources, facilities, and programs, and to lead and instruct for programs in commercial, public, and non-profit settings. Because students may work with minors during their time in the PRM program, all students are required to complete at least one background check.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 41-45 hours, including all of the following:

- 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 275 - Diversity and Inclusion in PRM **Credits: 3**
- PRM 361 - Program Planning and Evaluation in PRM **Credits: 4**
- PRM 362 - Sustainable Recreation & Public Land Management **Credits: 3**
- PRM 370 - Professional Planning in PRM **Credits: 3**
- PRM 383 - Mini-Internship I in PRM **Credits: 1**
- PRM 384 - Mini-Internship II in PRM **Credits: 1**
- PRM 385 - Mini-Internship III in PRM **Credits: 1**
- PRM 430 - Entrepreneurship and Commercial Recreation **Credits: 3**
- PRM 461 - Management and Administration of PRM Services **Credits: 3**
- PRM 483 - Capstone Internship in PRM I **Credits: 3**
- PRM 484 - Capstone Internship in PRM II **Credits: 3**
- PRM 495 - Senior Seminar in Parks and Recreation Management **Credits: 3**

Students should choose one course from the following list OR provide proof of current certification in WFA, Advanced WFA, WFR, OEC, EMT, or WEMT to their advisor.

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

General Electives

Students should choose 33-37 hours of major and general electives approved by their advisor.

Admission criteria:

There are no specific admission criteria to become a PRM major. All PRM majors will be assigned a PRM advisor upon declaring the major. The advisor will work with the student to craft a degree plan through graduation.

Art, BSED

Total number of hours for the program: 120.

Admission to the Art Education Program

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

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all teacher education requirements. EDCI 201 and EDCI 430 are the only courses in the professional education sequence that may be taken before admission to teacher education.

Continuation in the Art Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. In addition to these requirements, students must earn a grade of C (2.00) or better in each art course in the major.

Students receiving BFA Degree in Art with a concentration in Art Education will also receive the BSEd Degree in Art Education from the College of Education and Allied Professions. For degree requirements, please see the listing under BFA Art, Concentration in Art Education.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence (27 hours)

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**
- ART 463 - Art Methods for the Middle and High School **Credits: 3**

Intern I

- EDSE 483 - Secondary/Special Subject Area Internship I **Credits: 2-3**

Intern II

- EDSE 485 - Internship II **Credits: 6**
- ART 491 - Supervised Student Teaching in Art, K-12 **Credits: 3**
- EDSE 495 - Seminar **Credits: 3**

Note: You must be fully admitted into the Teacher Education program and have a 2.75 cumulative GPA to enroll in all courses in this Professional Education Sequence except EDCI 201 and SPED 240.

The major further requires 51 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 416 - Contemporary Art **Credits: 3**
- ART 465 - Art Methods for the Elementary School **Credits: 3**

Art Studio

Students are required to take 18 hours art studio as follows:

- ART 231 - Life Drawing **Credits: 3**
- ART 233 - Introductory Painting **Credits: 3**
- ART 234 - Introductory Printmaking **Credits: 3**
- ART 241 - Introductory Sculpture **Credits: 3**
- ART 251 - Introductory Ceramics **Credits: 3**
- ART 272 - Introductory Photography **Credits: 3**

Art Electives

Students should take the following electives:

- Nine hours art studio electives selected as 300- or 400-level courses in the same studio discipline.
- Three hours art history electives at the junior/senior level.

Birth-Kindergarten, BS

Total number of hours for the program: 120.

The Birth-Kindergarten, BS is a fully online Undergraduate Program.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

BK Core (27 hours)

- SPED 240 - The Exceptional Child **Credits: 3**
- BKSE 345 - Adaptations and Modifications for Young Children with Disabilities **Credits: 3**
- BKSE 415 - Evaluation & Intervention of Social-Emotional Competencies in Young Children **Credits: 3**
- 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 363 - Child Development **Credits: 3**
- BK 462 - Adult-Child Interaction **Credits: 3**
- BK 470 - Early Childhood Curriculum **Credits: 3**

Professional Education Concentration (38 hours)

- BKSE 313 - Assessment of Young Diverse Learners **Credits: 3**
- BKSE 350 - Early Childhood Disorders and Interventions **Credits: 3**
- BKSE 412 - Interagency Planning **Credits: 3**
- BKSE 427 - Teaching Reading to Young Diverse Learners **Credits: 3**
- BK 312 - Kindergarten Curriculum **Credits: 3**
- BK 316 - Mathematics and Science **Credits: 3**
- BK 410 - Literacy in Preschool and Kindergarten **Credits: 3**
- BK 473 - Internship I **Credits: 6**
- BK 483 - Internship II **Credits: 8**
- BK 496 - Internship Seminar **Credits: 3**

Early Childhood Concentration (35 hours)

- BKSE 314 - Observational Assessment & Screening of Young Children **Credits: 3**
- BKSE 411 - Family Collaborative Planning **Credits: 3**
- BK 315 - Early Childhood Literacy, Birth-5 **Credits: 3**
- BK 366 - Infant Development and Curriculum **Credits: 3**
- BK 420 - STEM in the Early Years **Credits: 3**
- BK 457 - Action Research **Credits: 10**
- BK 458 - Action Research II **Credits: 10**

2+2 BK Core (12 hours)

- BKSE 345 - Adaptations and Modifications for Young Children with Disabilities **Credits: 3**
- BKSE 415 - Evaluation & Intervention of Social-Emotional Competencies in Young Children **Credits: 3**
- BK 361 - Environments for Young Children **Credits: 3**
- BK 470 - Early Childhood Curriculum **Credits: 3**

2+2 Professional Education Concentration (35 hours)

- BKSE 313 - Assessment of Young Diverse Learners **Credits: 3**
- BKSE 412 - Interagency Planning **Credits: 3**
- BKSE 427 - Teaching Reading to Young Diverse Learners **Credits: 3**
- BK 312 - Kindergarten Curriculum **Credits: 3**
- BK 316 - Mathematics and Science **Credits: 3**
- BK 410 - Literacy in Preschool and Kindergarten **Credits: 3**
- BK 473 - Internship I **Credits: 6**
- BK 483 - Internship II **Credits: 8**
- BK 496 - Internship Seminar **Credits: 3**

2+2 Early Childhood Concentration (35 hours)

- BKSE 314 - Observational Assessment & Screening of Young Children **Credits:** 3
- BKSE 411 - Family Collaborative Planning **Credits:** 3
- BK 260 - Foundations of Child Study **Credits:** 3
- BK 315 - Early Childhood Literacy, Birth-5 **Credits:** 3
- BK 420 - STEM in the Early Years **Credits:** 3
- BK 457 - Action Research **Credits:** 10
- BK 458 - Action Research II **Credits:** 10

Guided Electives:

Professional Education Concentration: 13 hours

2+2 Professional Education Concentration: 0 hours

Early Childhood Concentration: 16 hours

2+2 Early Childhood Concentration: 0 hours

Suggested courses: Courses approved by the BK program.

Additional Requirements:

Birth-Kindergarten majors must maintain an overall GPA of 2.75 or better and passing grades of "C" in all courses required in the major, regardless of concentration. If a student earns a grade below a "C" in a required course or a student's grade point average in the major falls below a 2.75, the student will not be permitted to enroll in any BK or BKSE course.

All students must complete Liberal Studies or the equivalent before starting internship courses or action research courses.

2+2 Concentrations:

The 2+2 concentration is for prospective students who have completed the Associate in Applied Science Early Childhood Education degree program in the North Carolina Community College System and are allowed to transfer in sixty hours. The overall total is comprised of both lower-division general education and early childhood education courses. This curriculum reflects the distribution of discipline areas commonly included in institution-wide, lower-division general education requirements for the baccalaureate degree. With an A.A.S. degree, Western Carolina University liberal studies requirements will not be waived. General education transfer courses will be evaluated course by course. Students are responsible for fulfilling all liberal studies requirements and must meet the 120 credit hour requirement.

Background Checks:

All students must submit to a background check for program admission through the system currently used by the college. Any legal incidents after the background check has been done must be reported to the Office of Field Experiences within 72 hours of its occurrence. A second background check is required as part of the application for Internship/Action Research.

All students must complete the Professional Dispositions Contract.

Teacher Education Program:

The Birth-Kindergarten Professional Education Concentrations are part of Western Carolina University's Teacher Education Program. Teacher Education Program policies and procedures apply.

Admission to the Professional Education Concentration:

Students seeking admission to the Professional Education Concentration must declare their major and meet the requirements for admission to the Teacher Education Program. Admission to the Professional Education Sequence Students in the Professional Education Concentration must be admitted to the Teacher Education Program and are subject to all of the teach education requirements. BK 250 is the only course in the professional education sequence that may be taken prior to admission to teacher education.

Continuation in the B-K program:

The requirements of continuing in the program are as follows:

1. A GPA of at least 2.75 on hours attempted
2. Behavior which adheres to the code of ethics of the profession and the North Carolina BK standards
3. Satisfactory participation in the required professional field experiences, which is prerequisite to internship.

An evaluation of each field experience assignment will become a part of the student's professional record. Students will also be evaluated on candidate dispositions by BK faculty. In addition, students in the Professional Education Concentration must meet the requirements for continuation in the Teacher Education Program.

Professional Education Concentration Internships:

Students can take nine hours with BK 473 Internship in Early Childhood Assessment and can take one class in addition to BK 483 Internship II and BK 496 Seminar.

Elementary Education, BSEd

Total number of hours for the program: 120-128.

Teacher Education Program Requirements

All students who declare a major in an educator preparation must apply and meet all requirements for admission to and continuation in the Teacher Education Program. Students must be admitted into the Teacher Education program prior to taking most courses in the Professional Education Sequence. EDCI 201 and SPED 240 are the only courses in the Professional Education Sequence that may be taken prior to admission to teacher education.

Elementary Education Program Requirements

Students can declare a major in Elementary Education and their second academic concentration (SAC) at any point and complete several courses prior to admission to the Teacher Education Program. However, admission to Teacher Education is required for Elementary Education majors to enroll in most advanced courses.

Elementary Education teacher candidates must earn a C or better in all major and professional education sequence courses, as well as ENGL 101 and ENGL 202. In addition, teacher candidates must maintain a 2.75 overall GPA. A student who falls below the 2.75 GPA threshold will be removed from the program and must improve the GPA and reapply for admission to continue in the program. If a student receives an C- or lower 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.

Elementary Education teacher candidates must maintain professional behavior that adheres to the North Carolina code of ethics for teachers and the professional dispositions of the College of Education and Allied Professions to remain in the Teacher Education Program and the major.

All students must complete a total of 120-128 hours depending upon SAC including:

- Liberal Studies (42 hours including three hours of Freshman Seminar)*
- Second Academic Concentration (18 hours)*
- Professional Education Sequence (27 hours)
- Major Courses (41 hours)

*Some SACs and major courses can count toward Liberal Studies. Double counting can affect the total number of hours needed to complete degree. The minimum number of required hours for graduation is 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence for Elementary Education (29 hours)

The Professional Education Sequence for Elementary Education requires 29 hours including the following:

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**
- EDEL 390 - Practicum I **Credits: 3**

Intern I

- ELMG 484 - Supervised Internship I **Credits: 3**
- EDEL 339 - Seminar for Creating Responsive Learning Communities in the Elementary Grades **Credits: 2**

Intern II

- ELMG 485 - Supervised Internship II **Credits: 9**
- ELMG 495 - Seminar for Student Teachers **Credits: 3**

Note: You must be fully admitted into the Teacher Education program and have a 2.75 cumulative GPA to enroll in all courses in this Professional Education Sequence except for EDCI 201 and SPED 240.

Elementary Education Major Course Requirements (39 hours)

The major course requirements for Elementary Education includes as follows:

- EDEL 311 - Elementary Curriculum **Credits: 3**
- EDEL 415 - Language Arts Methods for Grades K-6 **Credits: 3**
- EDEL 416 - Science Methods for Grade K-6 **Credits: 3**
- EDEL 417 - Social Studies Methods for Grades K-6 **Credits: 3**
- EDEL 428 - Mathematics Methods 1 for Grades K-6 **Credits: 3**
- EDEL 429 - Mathematics Methods 2 for Grades K-6 **Credits: 3**
- EDEL 446 - Digital Literacy Methods for Grades K-6 **Credits: 3**
- EDRD 303 - Children's Literature for Teaching Reading, K-6 **Credits: 3**
- EDRD 440 - Reading Diagnosis and Instruction for Grades K-6 **Credits: 3**
- EDRD 420 - K-6 Reading Methods **Credits: 3**
- MATH 221 - Number Sense for Teaching **Credits: 3**
- MATH 321 - Reasoning about Change, Measurement, Chance, and Data for Teaching **Credits: 3**
- PSY 320 - Developmental Psychology I: Childhood **Credits: 3**

Second Academic Concentration (SAC, 18 hours)

A second academic concentration (SAC) is an 18-hour course of study in an academic discipline required of education students enrolled in a BSEd program in elementary education. The concentration areas available include: art, Communication Sciences and Disorders, English, health promotion and wellness, history, mathematics, natural science, psychology, social justice, sociology, Spanish and TESOL. Please select one of the following SACs:

1. Art

Students must choose either a 2D or 3D concentration

Students should take both of the following:

- ART 131 - Introductory Drawing **Credits: 3**
- ART 137 - Art History Survey II **Credits: 3**
- **The 2D Concentration includes:**
- ART 132 - Two-Dimensional Design **Credits: 3**

Plus an additional nine hours chosen from painting, drawing, printmaking, photography or book arts courses.

The 3D Concentration includes:

- ART 142 - Three-Dimensional Design **Credits: 3**

Plus an additional nine hours chosen from ceramics or sculpture courses.

2. Communication Sciences and Disorders

Students should take the following required courses:

- CSD 301 - Speech and Language Development **Credits: 3**
- CSD 370 - Phonetics **Credits: 3**
- CSD 372 - Acoustics and Speech Science **Credits: 3**
- CSD 380 - Anatomy and Physiology of the Speech Mechanism **Credits: 3**
- CSD 450 - Introduction to Audiology **Credits: 3**
- CSD 472 - Aural Rehabilitation **Credits: 3**

3. English

Literature requirement (three hours). Students should choose one of the following:

- ENGL 240 - Research, Literary Criticism & British Literature **Credits: 3**
- ENGL 241 - Formalism & American Literature **Credits: 3**
- ENGL 242 - Cultural Studies & Non-Western World Literature **Credits: 3**
- **Grammar Requirement** (three hours) students should choose one of the following:
 - ENGL 312 - Grammar for Teachers **Credits: 3**
 - ENGL 319 - Grammar, Language, and Discourse **Credits: 3**
- **Methods Requirement** (three hours) Students should choose one of the following:
Note: Elementary Education majors are encouraged to take ENGL 413
- ENGL 413 - ESL Methods for Content Teachers **Credits: 3**
- ENGL 416 - Teaching English as a Second Language **Credits: 3**
- **Upper-level Literature Requirements** (nine hours). Students should choose three of the following:
 - ENGL 333 - Introduction to Shakespeare **Credits: 3**
 - ENGL 350 - The Renaissance **Credits: 3**
 - ENGL 351 - The Beats, Radicals, and Avant-Garde Literature **Credits: 3**
 - ENGL 352 - The Journey in Literature **Credits: 3**
 - ENGL 353 - Stories Retold **Credits: 3**
 - ENGL 366 - Literature and Immigration **Credits: 3**
 - ENGL 367 - Appalachian Literature **Credits: 3**
 - ENGL 368 - Film Genres **Credits: 3, R6**
 - ENGL 378 - Motion Picture Histories **Credits: 3**
 - ENGL 390 - The Bible as Literature **Credits: 3**
 - ENGL 394 - Film Adaptation **Credits: 3, R6**
 - ENGL 420 - Chaucer and His Age **Credits: 3**
 - ENGL 421 - Fairy Tale, Myth, and Legend **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 450 - Seminar in English Studies **Credits: 3, R6**
 - ENGL 451 - Nineteenth-Century British Writers **Credits: 3**
 - ENGL 463 - Contemporary Literature **Credits: 3**
 - ENGL 464 - Native American Literature **Credits: 3**
 - ENGL 465 - Topics in African American Literature **Credits: 3**
 - ENGL 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
 - ENGL 475 - Modernism and the Little Magazine **Credits: 3**
 - ENGL 477 - Literature, Gender, and Culture **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**

4. Health Promotion and Wellness

Required courses: Students should take all of the following:

- HPE 312 - Health Education Pedagogy **Credits: 3**
- HPE 350 - Current Health Problems **Credits: 3**
- HPE 358 - Healthy Living Concepts **Credits: 3**
- HPE 360 - Sexual Health Throughout the Lifespan **Credits: 3**

Additional courses:

Select six hours (two courses) or eight hours (HPS 212 plus two additional courses) from the following list:

- ENVH 230 - Introduction to Environmental Health Science **Credits: 3**
- HPE 212 - Foundations of Health and Physical Education **Credits: 2**
- HPE 255 - Mental and Emotional Health for Teachers and Their Students **Credits: 3**
- HPE 305 - Adventure-Based Learning **Credits: 3**
- HPE 325 - Pedagogy & Prevention of Risky Behaviors K-12 **Credits: 3**
- HPE 355 - Fitness Concepts **Credits: 3**
- HPE 424 - Adapted Movement & Wellness **Credits: 3**
- HPE 240 - Care and Prevention of Athletic Injuries **Credits: 3**
- HPE 365 - Physical Activity and Aging **Credits: 3**
- HPE 375 - Psychological Aspects of Physical Activity **Credits: 3**

5. History

Required courses:

Students should take one of the following:

- HIST 131 - North American History to 1865 **Credits: 3**
or
- HIST 132 - U.S. History Since 1865 **Credits: 3**
Additional courses: Select 15 hours of junior-senior level history courses.

6. Mathematics

Students should take the following:

- MATH 130 - Precalculus I **Credits: 3**
- MATH 146 - Precalculus II **Credits: 4**
- MATH 140 - Introductory Calculus **Credits: 5**
or
- MATH 153 - Calculus I **Credits: 4**
- MATH 170 - Applied Statistics **Credits: 3**
- MATH 200 - Introduction to Mathematical Problem Solving **Credits: 1**
- MATH 311 - Informal Geometry **Credits: 3**
If students place out of any of these courses, they should take electives from the list below to complete a minimum of 18 hours.
- MATH 101 - Mathematical Concepts **Credits: 3**
- MATH 250 - Introduction to Logic and Proof **Credits: 3**
- MATH 255 - Calculus II **Credits: 4**
- MATH 270 - Statistical Methods I **Credits: 3**
- MATH 300 - Problem Solving **Credits: 2**
- MATH 301 - History of the Scientific Revolution **Credits: 3**
- MATH 362 - Linear Algebra I **Credits: 3**
- MATH 400 - History of Mathematics **Credits: 3**

7. Natural Science

Required courses: Students should take all of the following:

- BIOL 140 - Principles of Biology I **Credits: 4**
- CHEM 132 - Survey of Chemistry I **Credits: 4**
- GEOL 151 - Earth: Geology, Resources, Hazards, and Environment **Credits: 3**
- PHYS 130 - Introductory Physics I **Credits: 4**

Additional courses: Students should select two hours from any AST, BIOL, CHEM, GEOL, or PHYS course not counted for Liberal Studies.

8. Psychology

Required course: Students should take the following required course:

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

Additional Courses: Students should select any 15 hours of PSY courses.

9. Social Justice

Required Courses (12 hours)

- SJ 275 - Diversity & Inclusion **Credits: 3**
 - SOC 392 - Theories of Social Justice **Credits: 3**
 - EDCL 360 - Social Justice in Education **Credits: 3**
 - SJ 475 - Social Justice Capstone **Credits: 3**
- Electives: Select two 3-credit hour courses. These courses must be from two different prefixes.*
- ANTH 351 - Environmental Anthropology **Credits: 3**
 - ANTH 370 - Human Biological Variation **Credits: 3**
 - ANTH 419 - Families and Households **Credits: 3**
 - ANTH 461 - Indigenous Cultures of North America **Credits: 3**
 - CJ 305 - Social Justice and the Law **Credits: 3**
 - CJ 438 - Minorities, Crime and Social Policy **Credits: 3**
 - COMM 414 - Gender Communication **Credits: 3**
 - COMM 415 - Intercultural Communication **Credits: 3**
 - EDCL 305 - Global Educational Systems **Credits: 3**
 - EDMG 300 - Culturally and Linguistically Diverse Middle Grades Students **Credits: 3**
 - GBS 200 - Introduction to Black Studies **Credits: 3**
 - GBS 300 - Key Paradigms and Theories in Black Studies **Credits: 3**
 - HIST 237 - African American History **Credits: 3**
 - HIST 337 - History of Slavery **Credits: 3**
 - HIST 345 - Modern Native America **Credits: 3**
 - LAW 306 - Women and the Law **Credits: 3**
 - LEAD 249 - Diversity and Leadership **Credits: 3**
 - LEAD 300 - Leadership for Racial Justice **Credits: 3**
 - LEAD 301 - Women-Centered Leadership **Credits: 3**
 - NAS 452 - The Roots of Health Disparities in Native American Populations **Credits: 3**
 - NAS 474 - Issues in Indian Health **Credits: 3**
 - PAR 121 - Religious Ethics and Moral Problems **Credits: 3**
 - PAR 260 - Religion, Gender, Sexuality **Credits: 3**
 - PSC 316 - Gender and Politics **Credits: 3**
 - PSC 353 - International Political Economy **Credits: 3**
 - PSC 370 - Politics of Ethnic Conflict **Credits: 3**
 - SOC 195 - Sociology of Black America **Credits: 3**
 - SOC 235 - Social Problems **Credits: 3**
 - SOC 245 - Social Inequality **Credits: 3**
 - SOC 326 - Sociology of Gender **Credits: 3**
 - SOC 333 - Sociology of Mental Health and Illness **Credits: 3**
 - SOC 342 - The Individual in Society **Credits: 3**
 - SOC 365 - Sociology of the Family **Credits: 3**
 - SOC 371 - Environmental Sociology **Credits: 3**
 - SOC 373 - Globalization **Credits: 3**
 - SOC 410 - Sociology of Aging **Credits: 3**
 - SOC 414 - Race and Ethnicity **Credits: 3**
 - SOC 417 - Immigration **Credits: 3**
 - SOC 423 - Sociology of Sport **Credits: 3**
 - SOC 448 - Social Movements **Credits: 3**
 - SOC 450 - Sociology of Work **Credits: 3**

- SOCW 251 - Social Issues, Policy and Programs **Credits: 3**

10. Sociology

Required courses: Students should take the following required course:

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

Additional courses: Students should select 15 hours from any 200-level and above sociology course.

11. Spanish

Required courses:

Beginning Language Sequence

- SPAN 101 - Beginning Spanish I **Credits: 3**
- SPAN 102 - Beginning Spanish II **Credits: 3**

Or

- SPAN 140 - Accelerated Beginning Spanish **Credits: 6**

Intermediate Language Sequence

- SPAN 231 - Intermediate Spanish I **Credits: 3**
- SPAN 232 - Intermediate Spanish II **Credits: 3**

Or

- SPAN 240 - Accelerated Intermediate Spanish **Credits: 6**

Additional courses: Select 9 additional hours of SPAN electives.

12. Teaching English to Speakers of Other Languages (TESOL) Linguistics Requirement

- ENGL 415 - Applied Linguistics **Credits: 3**

Methods Requirement

Choose one (three hours) of these two courses. It is recommended that students seeking initial licensure with a concentration in Language Arts (all levels) complete ENGL 416. Students seeking licensure with concentrations in Math, Science and Social Studies (all levels) complete ENGL 413.

- ENGL 413 - ESL Methods for Content Teachers **Credits: 3**
- ENGL 416 - Teaching English as a Second Language **Credits: 3**

Practicum Requirement

- ENGL 492 - ESL Practicum **Credits: 3**

TESOL Electives

Choose three courses (9 hours) from the following:

- ENGL 312 - Grammar for Teachers **Credits: 3**
- ENGL 319 - Grammar, Language, and Discourse **Credits: 3**
- ENGL 325 - Language and Culture **Credits: 3**
- ENGL 326 - Schools, Laws, and Language **Credits: 3**

Health and Physical Education, BSED

Total number of hours for the program: 123.

Admission to the Health and Physical Education Program

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

Admission to the Professional Education Sequence

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

Continuation in the Health and Physical Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. In addition to these requirements, a grade of C or better is required in all major classes. All majors are required to demonstrate a level of professional involvement in physical education, fitness and sport programs or activities. Professional involvement activities in physical education, fitness and sport include a requirement of 50 hours of community service prior to Internship II and may come in a variety of other ways.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence (27 hours)

All Health & Physical Education majors are required to complete 27 hours in the Professional Education Sequence. These courses may be taken only when all criteria for continuation in the Teacher Education Program have been met. The following courses are in the Professional Education Sequence for the Physical Education major:

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- HPE 430 - Culturally Responsive Classroom Management for Health & Physical Education **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**

Intern I

- HPE 425 - Health and Physical Education Curriculum Development **Credits: 3**
- HPE 488 - Health & Physical Education Internship I **Credits: 1-3**

Intern II

- HPE 489 - Health & Physical Education Internship II **Credits: 9**
- HPE 496 - The Healthful Living Teacher as Leader **Credits: 3**

Note: *You must be fully admitted into the Teacher Education program and have a 2.75 cumulative GPA to enroll in all courses in this Professional Education Sequence except for EDCI 201 and SPED 240.*

Major Requirements (56 hours)

- HPE 212 - Foundations of Health and Physical Education **Credits: 2**
 - HPE 223 - Applied Kinesiology I - Anatomy, Physiology & Biomechanics **Credits: 4**
 - HPE 225 - Applied Kinesiology II **Credits: 4**
 - HPE 235 - Motor Behavior **Credits: 3**
 - HPE 253 - Sport Education **Credits: 3**
 - HPE 255 - Mental and Emotional Health for Teachers and Their Students **Credits: 3**
 - HPE 256 - Physical Education Pedagogy **Credits: 3**
 - HPE 305 - Adventure-Based Learning **Credits: 3**
 - HPE 311 - Evaluation & Assessment in Health & Physical Education **Credits: 3**
 - HPE 312 - Health Education Pedagogy **Credits: 3**
 - HPE 325 - Pedagogy & Prevention of Risky Behaviors K-12 **Credits: 3**
 - HPE 345 - Children's Movement **Credits: 3**
 - HPE 346 - Educational Dance and Gymnastics **Credits: 2**
 - HPE 350 - Current Health Problems **Credits: 3**
 - HPE 354 - Lifetime Sport & Physical Activity I **Credits: 2**
- or*
- HPE 364 - Lifetime Sport & Physical Activity II **Credits: 2**
 - HPE 355 - Fitness Concepts **Credits: 3**
 - HPE 358 - Healthy Living Concepts **Credits: 3**
 - HPE 360 - Sexual Health Throughout the Lifespan **Credits: 3**
 - HPE 424 - Adapted Movement & Wellness **Credits: 3**

Mathematics, BSEd

Total number of hours for the program: 120.

Admissions to the Mathematics Education Program

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

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken prior to admission to teacher education.

Continuation in the Mathematics Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. In addition to these requirements, a student enrolled in the BSEd in Mathematics must also be enrolled in the BS Mathematics with the Mathematics Education Concentration. If hours taken in the major also meet Liberal Studies requirements more hours may need to be completed to meet the 120 total hours needed.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Major Requirements

The major requires 44 hours as follows. Only grades of C (2.0) or higher in required mathematics core courses will satisfy requirements in the major. The following courses are required:

Mathematics Core (24 hours)

- MATH 153 - Calculus I **Credits: 4**
- MATH 250 - Introduction to Logic and Proof **Credits: 3**
- MATH 255 - Calculus II **Credits: 4**
- MATH 256 - Calculus III **Credits: 4**
- MATH 270 - Statistical Methods I **Credits: 3**
- MATH 310 - Discrete Structures **Credits: 3**
- MATH 362 - Linear Algebra I **Credits: 3**

Additional Required Course (2 hours)

- MATH 479 - Capstone: Seminar **Credits: 2**

Other required courses (15 hours)

- MATH 200 - Introduction to Mathematical Problem Solving **Credits: 1**
- MATH 300 - Problem Solving **Credits: 2**
- MATH 340 - Introduction to Scientific Computing **Credits: 3**
- MATH 361 - Abstract Algebra I **Credits: 3**
- MATH 400 - History of Mathematics **Credits: 3**
- MATH 411 - Foundations in Geometry **Credits: 3**

Electives-Math electives (3 hours) selected from:

- MATH 320 - Ordinary Differential Equations **Credits: 3**
- MATH 370 - Probability and Statistics I **Credits: 3**
- MATH 375 - Statistical Methods II **Credits: 3**
- MATH 412 - Modern Geometries **Credits: 3**
- MATH 422 - Real Analysis I **Credits: 3**
- MATH 424 - Complex Variable Theory **Credits: 3**
- MATH 430 - Mathematical Modeling **Credits: 3**
- MATH 441 - Introduction to Numerical Analysis **Credits: 3**

- MATH 450 - Linear Optimization **Credits: 3**
- MATH 461 - Abstract Algebra II **Credits: 3**
- MATH 462 - Linear Algebra II **Credits: 3**
- MATH 470 - Probability and Statistics II **Credits: 3**

Additional Requirements

To complete the program, 34 hours are required, including the professional education sequence (30 hours-see below) for secondary and special subject teaching and four hours of general electives. To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Professional Education Sequence (30 hours)

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**
- MATH 414 - Introduction to Secondary Mathematics Teaching Methods **Credits: 3**
- MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School **Credits: 3**

Intern I

- EDSE 484 - Supervised Internship I **Credits: 1-3**

Note: Mathematics and Computer Science majors are required to take EDSE 484 as a 3 credit hour course

Intern II

- EDSE 485 - Internship II **Credits: 6**
- EDSE 495 - Seminar **Credits: 3**
- MATH 491 - Supervised Student Teaching in Mathematics, 9-12 **Credits: 3**

Note: *You must be fully admitted into the Teacher Education program and have a 2.75 cumulative GPA to enroll in all courses in the Professional Education Sequence except for EDCI 201 and SPED 240.*

General Electives (4 hours)

Visit the department's website at <https://www.wcu.edu/learn/programs/mathematics-education/> to view the eight-semester curriculum guide.

Middle Grades Education, BSEd

Total number of hours for the program: 120.

This number depends on the concentrations selected, as well as the hours taken in the major that also count for Liberal Studies.

Admission to the Middle Grades Education Program

Students seeking admission to the Middle Grades Education Program must declare their major, declare their academic concentrations and meet the requirements for admission to the Teacher Education Program. In addition to these requirements, Middle Grades education majors must earn a grade of C or better in all required courses (including Academic Concentration courses). This C or better requirement includes EDCI 201, ENGL 101, ENGL 202, and MATH 221. Students who score below a C twice on any course in the professional education sequence or within the major are withdrawn from teacher education. Students whose overall GPA falls below 2.75 will be removed from the program and must improve their GPA to reapply for admission. Students who receive an F in any course in the professional education sequence or major must retake the course when it is offered and earn a grade of C or better. Students who do not successfully complete internship may be withdrawn from the program and become ineligible for licensure.

Professional Education Sequence in Middle Grades Education

To take courses in the required Professional Education Sequence, students must be admitted to the Teacher Education Program and are subject to the teacher education requirements. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken before admission to teacher education.

Continuation in the Middle Grades Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. Any dismissal from a field experience or internship will automatically result in a grade lower than a C and will make the teacher candidate ineligible for licensure.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major in Middle Grades Education BSED Degree

- Liberal Studies (42 hours including 3 hours of Freshman Seminar)
- Middle Grades Concentration: Must complete an academic concentrations consisting of 21 to 26 hours from the four concentrations of Mathematics, Science, Social Studies and Language Arts

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence (30 hours):

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**
- EDMG 412 - Internship Seminar for Interdisciplinary Middle Grades Methods **Credits: 3**

Intern I

- ELMG 484 - Supervised Internship I **Credits: 3**
- EDMG 421 - Internship Seminar for Responsive Teaching **Credits: 3**

Intern II

- ELMG 485 - Supervised Internship II **Credits: 9**

Note: You must be fully admitted into the teacher education program and have a 2.75 cumulative GPA to enroll in all courses in this professional education sequence except for EDCI 201 and SPED 240.

- ELMG 495 - Seminar for Student Teachers **Credits: 3**

Middle Grades Major Course (30 hours)

*Indicates a course that also counts as a Liberal Studies course

- EDMG 300 - Culturally and Linguistically Diverse Middle Grades Students **Credits: 3**
- EDMG 409 - Internship Seminar for Middle School Teaching **Credits: 3**
- EDMG 410 - The Middle School Child and Curriculum **Credits: 3**
- EDMG 411 - Differentiated Instruction in Middle Grades Education **Credits: 3**
- EDMG 418 - Interdisciplinary Methods in Middle Grades Education **Credits: 3**
- EDMG 466 - Digital Literacy Methods Grades 6-9 **Credits: 3**
- EDRD 335 - Content Reading for Intermediate Grade Learners **Credits: 3**
- MATH 221 - Number Sense for Teaching **Credits: 3**

**This course also counts as a liberal studies course*

Middle Grades Candidates will take 2 methods courses in their area of concentration.

English Language Arts

- ENGL 414 - Fundamentals of Teaching Composition **Credits: 3**
- ENGL 418 - Fundamentals of Teaching Literature **Credits: 3**

History

- HIST 395 - Building a Democratic Classroom **Credits: 3**

- HIST 405 - Methods for Teaching Social Sciences **Credits: 3**
Mathematics
- MATH 414 - Introduction to Secondary Mathematics Teaching Methods **Credits: 3**
- MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School **Credits: 3**
Science
- SCI 301 - Nature of Science **Credits: 3**
And one of these choices:
- SCI 422 - Principles and Methods of Science Education **Credits: 3**
- EDEL 416 - Science Methods for Grade K-6 **Credits: 3**

Or another Science content course as approved by the program coordinator.

Concentrations

Students should take one concentration from those listed below.

Language Arts Concentration: 21 hours

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

Required Content/Methods Courses (9 Credit Hours)

- ENGL 211 - Introduction to Film and Literature **Credits: 3**
- ENGL 312 - Grammar for Teachers **Credits: 3**
- ENGL 413 - ESL Methods for Content Teachers **Credits: 3**

Literature Elective (12 Credit Hours)

Select 1 course among the following:

- ENGL 353 - Stories Retold **Credits: 3**
- ENGL 367 - Appalachian Literature **Credits: 3**
- ENGL 421 - Fairy Tale, Myth, and Legend **Credits: 3**

Select 3 courses from among the following:

- ENGL 363 - Globalization and Global Literatures **Credits: 3**
- ENGL 404 - African American Literature and History **Credits: 3**
- ENGL 444 - Environmental Literature **Credits: 3**
- ENGL 451 - Nineteenth-Century British Writers **Credits: 3**
- ENGL 452 - Latinx Literature **Credits: 3**
- ENGL 459 - Southern Literature **Credits: 3**
- ENGL 464 - Native American Literature **Credits: 3**
- ENGL 465 - Topics in African American Literature **Credits: 3**
- ENGL 470 - 20th Century and Contemporary Postcolonial Literature **Credits: 3**
- ENGL 475 - Modernism and the Little Magazine **Credits: 3**
- ENGL 477 - Literature, Gender, and Culture **Credits: 3**

Mathematics Concentration: 23-25 hours

Students with an academic concentration for Middle Grades Math must take the following courses:

- MATH 130 - Precalculus I **Credits: 3**
- MATH 146 - Precalculus II **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- MATH 170 - Applied Statistics **Credits: 3**
- MATH 200 - Introduction to Mathematical Problem Solving **Credits: 1**
- MATH 311 - Informal Geometry **Credits: 3**
- MATH 321 - Reasoning about Change, Measurement, Chance, and Data for Teaching **Credits: 3**

They should also select one from the following:

***Students who begin in Math 130 must take one course from the list below. Students who place into Math 146 should begin in Math 146 and take two courses from the list below.*

- MATH 101 - Mathematical Concepts **Credits: 3**
- MATH 250 - Introduction to Logic and Proof **Credits: 3**
- MATH 255 - Calculus II **Credits: 4**
- MATH 270 - Statistical Methods I **Credits: 3**
- MATH 300 - Problem Solving **Credits: 2**
- MATH 362 - Linear Algebra I **Credits: 3**
- MATH 370 - Probability and Statistics I **Credits: 3**
- MATH 400 - History of Mathematics **Credits: 3**
- MATH 411 - Foundations in Geometry **Credits: 3**

Science Concentration: 25-26 hours

Students with an academic concentration for Middle Grade Science must take the following courses:

Required

- BIOL 140 - Principles of Biology I **Credits: 4**
(plus lab)
 - BIOL 141 - Principles of Biology II **Credits: 4**
 - CHEM 132 - Survey of Chemistry I **Credits: 4**
(plus lab)
Or
 - CHEM 139 - General Chemistry I **Credits: 4**
plus lab
 - GEOL 151 - Earth: Geology, Resources, Hazards, and Environment **Credits: 3**
Or
 - GEOL 155 - Historical Geology **Credits: 4**
 - PHYS 130 - Introductory Physics I **Credits: 4**
(plus lab)
Or
 - PHYS 230 - General Physics I **Credits: 4**
plus lab
- Choose two of the following*
- BIOL 103 - Environmental Biology **Credits: 3**
 - AST 103 - The Solar System **Credits: 3**
 - GEOG 300 - Weather and Climate **Credits: 3**

Social Studies Concentration: 24 hours

Students with an academic concentration for Middle Grade Social Studies must take the following courses:

Required (15 hours)

- HIST 131 - North American History to 1865 **Credits: 3**
Or
- HIST 132 - U.S. History Since 1865 **Credits: 3**
- HIST 220 - Ancient Empires: 3000 BCE-300 CE **Credits: 3**
- HIST 341 - North Carolina History **Credits: 3**
- GEOG 140 - World Geography **Credits: 3**
- PSC 101 - American Government and Politics **Credits: 3**

South America and Europe (3 hours)

Students should select 3 hours from the following:

- HIST 212 - Latin American History I **Credits: 3**
- HIST 213 - Latin American History II **Credits: 3**
- HIST 221 - The Birth of Europe: 312-1517 **Credits: 3**
- HIST 311 - Ancient Greece and Rome **Credits: 3**

- HIST 312 - The Early Middle Ages **Credits: 3**
- HIST 313 - Medieval Europe **Credits: 3**
- HIST 314 - Early Modern Europe **Credits: 3**
- HIST 315 - Renaissance and Reformation **Credits: 3**
- GEOG 350 - Economic Geography **Credits: 3**

Africa, Asia, and Australia (3 hours)

Students should select three hours from the following:

- HIST 301 - Modern Chinese History: From the Middle Kingdom to the People's Republic **Credits: 3**
- HIST 302 - India in the Modern World **Credits: 3**
- HIST 303 - The African Diaspora **Credits: 3**
- HIST 402 - History of Peace and Conflict in Africa **Credits: 3**
- PSC 376 - African Politics **Credits: 3**
- PSC 377 - Middle East Politics **Credits: 3**
- PSC 378 - Asian Politics **Credits: 3**
- SOC 160 - Chinese Culture and Society **Credits: 3**

World History (3 hours)

Students should select three hours from the following:

- HIST 107 - World Cultures in Historical Perspective **Credits: 3**
- HIST 317 - History of 20th Century International Relations **Credits: 3**
- ANTH 361 - World Archaeology **Credits: 3**
- ANTH 363 - Evolutionary Anthropology **Credits: 3**
- ANTH 431 - North American Archaeology **Credits: 3**

Additional requirements:

No course in program requirements or middle-grades area of licensure with a grade lower than C will be accepted for graduation. No course with prefix of: EDMG, ELMG, EDRD, or with a grade lower than a C will be accepted for graduation.

Visit the program's website at middlegrades.wcu.edu to view the eight-semester curriculum guide.

Music Education, BSEd

Total number of hours for the program: 128.

The B.S.Ed. in Music Education requires a minimum of 128 hours for the degree, provided MUS 303 is used to meet the Liberal Studies P6 World Cultures requirement.

To major in Music Education, 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, and 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 Education majors must pass a public recital in the last semester of principal applied lessons before a degree will be granted. Courses used to meet the large ensemble requirement must reflect the applied study area; only one will count per semester.

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence for Music Education (25 hours)

During the sophomore year, Music Education students must apply for admission to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken before admission to teacher education.

A minimum GPA of 2.75 is required for admission, continuation, and graduation in the Music Education program. 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).

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**
- MUS 326 - Instrumental Methods and Materials **Credits: 3**
- or*
- MUS 327 - Choral Methods and Materials **Credits: 3**
Intern I (one hour required)
- EDSE 484 - Supervised Internship I **Credits: 1-3**
Intern II
- EDSE 485 - Internship II **Credits: 6**
- EDSE 495 - Seminar **Credits: 3**
- MUS 491 - Supervised Student Teaching in Music, K-12 **Credits: 3**

Note: You must be fully admitted into the Teacher Education program and have a 2.75 cumulative GPA to enroll in all courses in this Professional Education Sequence except for EDCI 201 and SPED 240.

Major Requirements (41 hours)

The major requires 41 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 **Credits: 1**
- MUS 218 - Music Theory II **Credits: 3**
- MUS 248 - Piano Class III **Credits: 1**
- MUS 249 - Piano Class IV **Credits: 1**
- MUS 303 - The World of Music **Credits: 3**
- MUS 305 - Junior Recital **Credits: 0**
- MUS 308 - Aural Skills III **Credits: 1**
- MUS 309 - Aural Skills IV **Credits: 1**
- MUS 318 - Music Theory III **Credits: 3**
- MUS 319 - Music Theory IV **Credits: 3**
- MUS 329 - Fundamentals of Conducting **Credits: 2**
- MUS 358 - Concert Attendance **Credits: 0**
(six semesters required)
- MUS 418 - Music History I **Credits: 3**
A minimum of six semesters of large ensembles must be taken for a total of six credit hours, chosen in consultation with the major advisor.
- MUS 419 - Music History II **Credits: 3**

Concentrations

Choose *one* of the following concentrations:

Choral/General Music Concentration (21 hours)

- MUS 168 - String Pedagogy **Credits: 1**

- MUS 258 - Diction for Singers I **Credits: 1**
- MUS 259 - Diction for Singers II **Credits: 2**
- MUS 283 - Music Technology Applications **Credits: 1**
- MUS 307 - Applied Major **Credits: 2, R6**
(two semesters required)
- MUS 323 - Music in the Elementary School **Credits: 2**
- MUS 324 - Music in the Middle School **Credits: 2**
- MUS 428 - Choral Conducting **Credits: 2**
- MUS 470 - Orchestration and Arranging **Credits: 2**
Select four hours of Music Education electives from the following list:
- MUS 169 - Guitar Pedagogy **Credits: 1**
- MUS 313 - Band Instrument Repair **Credits: 1**
- MUS 314 - Jazz Pedagogy **Credits: 1**
- MUS 403 - Marching Band Techniques **Credits: 1, R4**
- MUS 411 - Advanced Vocal Pedagogy **Credits: 3**
- MUS 412 - Teaching in the Private Studio **Credits: 1**

Instrumental Music Concentration (21 hours)

All wind and percussion majors in the Instrumental Music concentration must include a minimum of three semesters in a concert band and two semesters in marching band. For keyboard, strings, and guitar majors, band must be the major ensemble; performance on secondary winds or percussion is required.

- MUS 168 - String Pedagogy **Credits: 1**
- MUS 272 - Percussion Pedagogy **Credits: 1**
- MUS 283 - Music Technology Applications **Credits: 1**
- MUS 307 - Applied Major **Credits: 2, R6**
(two semesters required)
- MUS 311 - Brass Pedagogy **Credits: 2**
- MUS 312 - Woodwind Pedagogy **Credits: 2**
- MUS 323 - Music in the Elementary School **Credits: 2**
- MUS 324 - Music in the Middle School **Credits: 2**
- MUS 429 - Instrumental Conducting **Credits: 2**
- MUS 470 - Orchestration and Arranging **Credits: 2**
Select two hours of Music Education electives from the following list:
- MUS 169 - Guitar Pedagogy **Credits: 1**
- MUS 313 - Band Instrument Repair **Credits: 1**
- MUS 314 - Jazz Pedagogy **Credits: 1**
- MUS 403 - Marching Band Techniques **Credits: 1, R4**
- MUS 411 - Advanced Vocal Pedagogy **Credits: 3**
- MUS 412 - Teaching in the Private Studio **Credits: 1**

General Electives

Additional general electives may be needed to meet the minimum 128 hours required for the B.S.Ed. Music Education degree.

Psychology, BS

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Psychology Major Requirements

The major requires a total of 42 hours in Psychology.

The core is 18 hours.

Guided Psychology electives are 15 hours.

The remaining 9 hours are additional Psychology courses.

Psychology Core Courses (18 hours)

- PSY 150 - General Psychology **Credits: 3**
- PSY 250 - Careers and Issues in 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 Guided Electives (15 hours)

Students must complete one course in each of the five guided electives, totaling 15 hours:

- Developmental Processes
- Personality and Social psychology
- Biological Bases of Behavior
- Learning and Cognition
- Applications in Psychology

Developmental Processes

Students should select one course (three hours) from the following:

- PSY 320 - Developmental Psychology I: Childhood **Credits: 3**
- PSY 322 - Developmental Psychology II: Adolescence **Credits: 3**
- PSY 325 - Developmental Psychology III: Adulthood **Credits: 3**

Personality and Social Psychology

Students should select one course (three hours) from the following:

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

Biological Bases of Behavior

Students should select one course (three hours) from the following:

- PSY 340 - Sensation and Perception **Credits: 3**
- PSY 440 - Biological Psychology **Credits: 3**
- PSY 445 - Social Neuroscience **Credits: 3**
- PSY 448 - Human Neuropsychology **Credits: 3**
- PSY 450 - Psychopharmacology **Credits: 3**

Learning and Cognition

Students should select one course (three hours) from the following:

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

Applications in Psychology

Students should select one course (three hours) from the following:

- PSY 363 - Behavioral Intervention **Credits: 3**
- PSY 375 - Forensic Psychology **Credits: 3**
- PSY 470 - Abnormal Psychology **Credits: 3**
- PSY 474 - Child Psychopathology **Credits: 3**
- PSY 475 - Introduction to Clinical and Counseling Psychology **Credits: 3**
- PSY 483 - Internship in Psychology **Credits: 3**

Other Psychology Electives (9 hours)

Students should complete at least three more psychology courses (9 hours) as Psychology electives.

Additional Requirements

To complete the program, psychology majors must also complete a second major, minor, or another approved program. To complete 120 hours, students may need to take

additional General Electives (the number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Visit the department's website at <https://www.wcu.edu/learn/departments-schools-colleges/ceap/psydept/> to view the eight-semester curriculum guide.

Science Education (Concentration in Biology), BSEd

Total number of hours for the program: 120.

Nine credit hours for the major can be also counted toward the Liberal Studies requirement.

Admission to the Science Education Program

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

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken before admission to teacher education.

Continuation in the Science Education Program

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence (23 hours)

The Professional Education Sequence for Secondary Science Education majors includes the following 23 hours:

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**

Intern I

- EDSE 483 - Secondary/Special Subject Area Internship I **Credits: 2-3**

Intern II

- EDSE 485 - Internship II **Credits: 6**
- SCI 491 - Supervised Student Teaching in the Sciences, 9-12 **Credits: 3**
- EDSE 495 - Seminar **Credits: 3**

You must be fully admitted into the Teacher Education Program and have a 2.75 GPA to enroll in all of the above courses (except for EDCI 201 and SPED 240)

Science and Math Requirements for Biology Concentration (65 hours)

The concentration requires 65 hours as follows:

- SCI 150 - Introduction to Secondary Science Education **Credits: 1**
- SCI 301 - Nature of Science **Credits: 3**
- SCI 422 - Principles and Methods of Science Education **Credits: 3**
- MATH 146 - Precalculus II **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- BIOL 140 - Principles of Biology I **Credits: 4**
- BIOL 141 - Principles of Biology II **Credits: 4**

- GEOL 141 - Earth History and Prehistoric Life **Credits: 3**
- GEOL 145 - Climate Change and Water Resources **Credits: 3**
- GEOL 151 - Earth: Geology, Resources, Hazards, and Environment **Credits: 3**
- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **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 (3)

Capstone (3 hours)

- BIOL 480 - Research in Biology **Credits: 1-3, R6**

Additional Requirements

To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Science Education (Concentration in Chemistry), BSEd

Total number of hours for the program: 120.

Nine credits required for the major may also fulfill requirements in Liberal Studies. If CHEM 242 is used as an upper-level elective, the degree has 121 hours.

Admission to the Science Education Program

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

Professional Education Sequence

To take courses in the required Professional Education Sequence, students must be admitted to the Teacher Education Program and are subject to all teacher education requirements. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken before admission to teacher education.

Continuation in the Science Education Program

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence (23 hours)

The Professional Education Sequence for Secondary Science Education majors includes the following 23 hours:

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**

Intern I

- EDSE 483 - Secondary/Special Subject Area Internship I **Credits: 2-3**

Intern II

- EDSE 485 - Internship II **Credits: 6**
- SCI 491 - Supervised Student Teaching in the Sciences, 9-12 **Credits: 3**
- EDSE 495 - Seminar **Credits: 3**

You must be fully admitted into the Teacher Education Program and have a 2.75 GPA to enroll in all of the above courses (except for EDCI 201 and SPED 240)

Science and Math Requirements for Chemistry Concentration (64 hours)

The concentration requires 64 hours, including all of the following:

- SCI 150 - Introduction to Secondary Science Education **Credits: 1**
- SCI 301 - Nature of Science **Credits: 3**
- SCI 422 - Principles and Methods of Science Education **Credits: 3**
- MATH 146 - Precalculus II **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- BIOL 140 - Principles of Biology I **Credits: 4**
- BIOL 141 - Principles of Biology II **Credits: 4**
- GEOL 141 - Earth History and Prehistoric Life **Credits: 3**
- GEOL 151 - Earth: Geology, Resources, Hazards, and Environment **Credits: 3**
- GEOL 145 - Climate Change and Water Resources **Credits: 3**
- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- PHYS 130 - Introductory Physics I **Credits: 4**
- or*
- PHYS 230 - General Physics I **Credits: 4**
- PHYS 131 - Introductory Physics II **Credits: 4**
- or*
- PHYS 231 - General Physics II **Credits: 4**
- CHEM 232 - Quantitative Analysis **Credits: 4**
- CHEM 241 - Organic Chemistry I **Credits: 4**
- CHEM 352 - Physical Chemistry: Chemical Thermodynamics **Credits: 3**
- CHEM 495 - Seminar in Chemistry **Credits: 1**

Chemistry Elective (3 hours)

Take 3 hours from the following or other approved courses:

- CHEM 242 - Organic Chemistry II **Credits: 4**
- CHEM 321 - Inorganic Chemistry **Credits: 3**
- CHEM 330 - Aquatic Chemistry **Credits: 4**
- CHEM 370 - Instrumental Analysis I **Credits: 4**
- CHEM 372 - Chemical Thermodynamics Laboratory **Credits: 1**

Capstone (2 hours)

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

Additional Requirements

To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Science Education (Concentration in Earth Sciences), BSEd

Total number of hours for the program: 120.

Nine credits taken in the major may also fulfill requirements in Liberal Studies.

Admission to the Science Education Program

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

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken prior to admission to teacher education.

Continuation in the Science Education Program

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence (23 hours)

The Professional Education Sequence for Secondary Science Education majors includes the following 23 hours:

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**

Intern I

- EDSE 483 - Secondary/Special Subject Area Internship I **Credits: 2-3**

Intern II

- EDSE 485 - Internship II **Credits: 6**
- SCI 491 - Supervised Student Teaching in the Sciences, 9-12 **Credits: 3**
- EDSE 495 - Seminar **Credits: 3**

You must be fully admitted into the Teacher Education Program and have a 2.75 GPA to enroll in all of the above courses (except for EDCI 201 and SPED 240)

Science and Math Requirements in Earth and Science Concentration (65 hours)

The concentration requires 65 hours as follows:

- SCI 150 - Introduction to Secondary Science Education **Credits: 1**
- SCI 301 - Nature of Science **Credits: 3**
- SCI 422 - Principles and Methods of Science Education **Credits: 3**
- MATH 146 - Precalculus II **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- *or*
- MATH 170 - Applied Statistics **Credits: 3**
- BIOL 140 - Principles of Biology I **Credits: 4**
- BIOL 141 - Principles of Biology II **Credits: 4**
- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- GEOL 141 - Earth History and Prehistoric Life **Credits: 3**
- GEOL 145 - Climate Change and Water Resources **Credits: 3**
- GEOL 151 - Earth: Geology, Resources, Hazards, and Environment **Credits: 3**
- 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**
- GEOL 302 - Geomorphology **Credits: 4**
- *or*
- GEOL 305 - Soils and Hydrology **Credits: 4**
- Approved GEOL 200 or higher level electives **Credits: 4**
- Approved upper-level science electives **Credits: 3-4**

Capstone (3 hours)

- GEOL 393 - Special Problems in Geology **Credits: 1-4, R6**
- *or*
- GEOL 495 - Senior Seminar in Geology **Credits: 3**

Additional Requirements

To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Visit the department's website at <https://www.wcu.edu/learn/departments-schools-colleges/ceap/stl/secspeced/undergraduate-secondary-education.aspx> to view the eight-semester curriculum guide.

Science Education (Concentration in Physics), BSEd

Total number of hours for the program: 120.

Nine credits that count for the major may also fulfill requirements in Liberal Studies.

Admission to the Science Education Program

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

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken prior to admission to teacher education.

Continuation in the Science Education Program

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence (23 hours)

The Professional Education Sequence for Secondary Science Education majors includes the following 23 hours:

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**

Intern I

- EDSE 483 - Secondary/Special Subject Area Internship I **Credits: 2-3**

Intern II

- SCI 491 - Supervised Student Teaching in the Sciences, 9-12 **Credits: 3**
- EDSE 485 - Internship II **Credits: 6**
- EDSE 495 - Seminar **Credits: 3**

You must be fully admitted into the Teacher Education Program and have a 2.75 GPA to enroll in all of the above courses (except for EDCI 201 and SPED 240)

Science and Math Requirements for Physics Concentration (64 hours)

The major requires 64 hours as follows:

- SCI 150 - Introduction to Secondary Science Education **Credits: 1**
- SCI 301 - Nature of Science **Credits: 3**
- SCI 422 - Principles and Methods of Science Education **Credits: 3**
- MATH 146 - Precalculus II **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- BIOL 140 - Principles of Biology I **Credits: 4**
- BIOL 141 - Principles of Biology II **Credits: 4**
- CHEM 139 - General Chemistry I **Credits: 4**

- CHEM 140 - General Chemistry II **Credits: 4**
- GEOL 141 - Earth History and Prehistoric Life **Credits: 3**
- GEOL 145 - Climate Change and Water Resources **Credits: 3**
- GEOL 151 - Earth: Geology, Resources, Hazards, and Environment **Credits: 3**
- PHYS 130 - Introductory Physics I **Credits: 4**
- or
- PHYS 230 - General Physics I **Credits: 4**
- PHYS 131 - Introductory Physics II **Credits: 4**
- or
- PHYS 231 - General Physics II **Credits: 4**
- PHYS 310 - Modern Physics **Credits: 3**
- PHYS 325 - Thermodynamics **Credits: 3**
- or
- CHEM 352 - Physical Chemistry: Chemical Thermodynamics **Credits: 3**
- MATH 255 - Calculus II **Credits: 4**

Capstone (2 hours)

- PHYS 380 - Research in Physics **Credits: 1-3, R12**

Additional Requirements

To satisfy general university degree requirements, students must take at least 30 hours at the junior/senior level at WCU.

Visit the department's website at: <https://www.wcu.edu/learn/departments-schools-colleges/ceap/stl/secspeced/undergraduate-secondary-education.aspx> to view the eight-semester curriculum guide.

Social Sciences, BSEd

Total number of hours for the program: 128.

Admission to the Social Sciences Education Program

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

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all teacher education requirements. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken before admission to teacher education.

Continuation in the Social Sciences Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. In addition, students must have a 3.00 GPA in both degrees (excluding the Professional Education Sequence and Liberal Studies) to be eligible for the internship, as well as to graduate. No grade lower than a C in courses in either major will count toward the degrees. Students must achieve a C or better in HIST 395 to take HIST 405. Students must complete the two-semester internship for both graduation and licensure.

Students seeking licensure must enroll simultaneously and complete the BSEd and the BS or BA in History.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence Core (25 or 27 hours)

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**
- HIST 405 - Methods for Teaching Social Sciences **Credits: 3**

Intern I

- EDSE 484 - Supervised Internship I **Credits: 1-3**

Intern II

- EDSE 485 - Internship II **Credits: 6**
- EDSE 495 - Seminar **Credits: 3**
- HIST 491 - Supervised Student Teaching in Social Sciences, 9-12 **Credits: 3**

Note: You must be fully admitted into the Teacher Education program and have a 2.75 cumulative GPA to enroll in all courses in this Professional Education Sequence except for EDCI 201 and SPED 240.

Major Requirements for Social Science (29 hours)

All Social Science BSEd students pursue a double degree (Social Sciences and History).

I. Modern Foreign Languages (3 hours)

- MFL 102 - Modern Foreign Language **Credits: 3**

II. Methods (8 hours)

- HIST 310 - Teaching World History **Credits: 1**
- HIST 395 - Building a Democratic Classroom **Credits: 3**
- HIST 405 - Methods for Teaching Social Sciences **Credits: 3**
- PSC 406 - Teaching Civics and Economics **Credits: 1**

Note: *Students must achieve a C or better in HIST 395 to take HIST 405.*

III. Social Science Courses (18 hours)

Students should take two of the following (one from the ECON group and one from the GEOG group) below. Students should also take four upper-division PSC electives, as explained under PSC Upper Division Electives:

Choose one from the following:

- ECON 231 - Introductory Microeconomics and Social Issues **Credits: 3**
- ECON 232 - Introductory Macroeconomics and Social Issues **Credits: 3**

Choose one from the following:

- GEOG 350 - Economic Geography **Credits: 3**
- GEOG 440 - Regional Geography **Credits: 3, R12**
- GEOG 444 - Political Geography **Credits: 3**

PSC Upper Division Electives (12 hours)

All students must take PSC 327 and must choose nine additional hours in American Politics from the following list. At least three of those hours must be either PSC 301, 308, or 312. Use the following elective breakdown to choose PSC electives:

All students should take the following:

- PSC 327 - State and Local Government **Credits: 3**

Choose one course from the following:

- PSC 301 - Congress **Credits: 3**
- PSC 308 - American Presidency **Credits: 3**
- PSC 312 - Judicial Process **Credits: 3**

Choose two courses from the following:

- PSC 313 - Constitutional Law: Structure and Powers **Credits: 3**
- PSC 314 - Southern Politics **Credits: 3**
- PSC 315 - Political Parties, Campaigns and Elections **Credits: 3**
- PSC 318 - Political Communication **Credits: 3**
- PSC 322 - Public Administration **Credits: 3**
- PSC 494 - Special Topics in American Politics **Credits: 3, R6**

Additional Requirements

Students must have a 3.00 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.⁴

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.

Visit the department's website at: <https://www.wcu.edu/learn/departments-schools-colleges/cas/humanities/history/histug/eight-semester-plan-for-b.s.ed.-in-social-sciences-with-double-major-in-history.aspx> to view the eight-semester curriculum guide.

Inclusive Education, BSEd

Total number of hours for the program: 126.

Teacher candidates who complete the Inclusive Education major earn a Bachelor of Science in Education (B.S.Ed) degree and are recommended for North Carolina Professional Educator's licenses in Elementary Education (K-6) and Special Education: General Curriculum (K-6 and K-12).

Teacher Education Program Requirements

All students who declare a major in an educator preparation program must apply and meet all requirements for admission to and continuation in the Teacher Education Program. All requirements for admission should be met by the end of the semester the student is enrolled in EDCI 201. Inclusive Education majors must be admitted to the Teacher Education Program to enroll in the remaining Professional Education Sequence courses indicated below.

Inclusive Education Program Requirements

Students can declare a major in Inclusive Education at any time and complete several major courses prior to admission to the Teacher Education Program. Admission to Teacher Education is required for Inclusive Education majors to enroll in most advanced courses. Open and restricted courses are indicated on the *eight-semester program plan*.

Inclusive Education teacher candidates must earn a C or higher in all major and professional education sequence courses as well as maintain a 2.75 GPA overall, in the professional education sequence and in the major. Inclusive Education teacher candidates who earn a grade of C- or lower in a major or professional education sequence course must repeat the course when it is offered and earn a grade of C or higher. A teacher candidate whose overall GPA falls below 2.75 will be removed from the Teacher Education Program, must regain a 2.75 GPA, and then reapply for admission to continue in the program. An Inclusive Education teacher candidate whose overall, major and professional sequence GPA falls below a 2.75 will not meet graduation requirements.

Inclusive Education teacher candidates must maintain professional behavior in university and field placements which adheres to the North Carolina code of ethics for teachers and the *professional dispositions* of the College of Education and Allied Professions to remain in the Teacher Education Program and the major.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Teacher Education Program

Teacher Education Program Policies and Procedures

The Professional Education Sequence (30 hours)

- EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3

- SPED 240 - The Exceptional Child **Credits: 3**
- SPED 430 - Classroom Leadership **Credits: 3**
- EDEL 390 - Practicum I **Credits: 3**
Intern I
- SPED 484 - Inclusive Education Internship I **Credits: 1-3**
- SPED 497 - Seminar for Instructional Development **Credits: 3**
3 hours required
Intern II
- SPED 490 - Inclusive Education Internship II **Credits: 9**
- SPED 495 - Inclusive Education Seminar **Credits: 3**

Major Requirements

The Inclusive education major requires the following courses:

- EDEL 415 - Language Arts Methods for Grades K-6 **Credits: 3**
- EDEL 416 - Science Methods for Grade K-6 **Credits: 3**
- EDEL 417 - Social Studies Methods for Grades K-6 **Credits: 3**
- EDEL 428 - Mathematics Methods 1 for Grades K-6 **Credits: 3**
- EDEL 429 - Mathematics Methods 2 for Grades K-6 **Credits: 3**
- EDEL 446 - Digital Literacy Methods for Grades K-6 **Credits: 3**
- EDRD 303 - Children's Literature for Teaching Reading, K-6 **Credits: 3**
- EDRD 420 - K-6 Reading Methods **Credits: 3**
- EDRD 440 - Reading Diagnosis and Instruction for Grades K-6 **Credits: 3**
- ENGL 413 - ESL Methods for Content Teachers **Credits: 3**
- MATH 221 - Number Sense for Teaching **Credits: 3**
- MATH 321 - Reasoning about Change, Measurement, Chance, and Data for Teaching **Credits: 3**
- SPED 310 - Assessment for Instruction **Credits: 3**
- SPED 312 - Teaching Elementary Students in Inclusive Education **Credits: 3**
- SPED 401 - Exceptional Learners in the General Curriculum **Credits: 3**
- SPED 407 - Social, Emotional, and Behavioral Supports in Inclusive Education **Credits: 3**
- SPED 413 - Teaching Adolescents in Inclusive Education **Credits: 3**
- SPED 423 - Teaching Reading to Individuals with Mild to Moderate Disabilities **Credits: 3**

Language Requirement Credits: 6

Modern Foreign Language (6 hours)

OR

- CSD 451 - Introduction to Sign Language I **Credits: 3**
AND EITHER
Modern Foreign Language (3 hours)
OR
- CSD 452 - Introduction to Sign Language II **Credits: 3**

Notes Regarding Total Program Hours

- Three of the six required Modern Foreign Language hours satisfy the Liberal Studies P6 World Cultures requirement. *If students take CSD 451 and CSD 452 to satisfy the program's Language Requirement, they will be required to take an additional 3 hours to satisfy the P6 Liberal Studies Requirement, thereby increasing total program hours.*
- Three of the six required MATH 221 or MATH 321 hours satisfy the Liberal Studies C2 Math requirement. *If students take a different math course to satisfy the C2 requirement, they will be required to take MATH 221 and MATH 321 to satisfy program requirements, thereby increasing total program hours.*

Additional Requirements:

Visit the program's website at inclusived.wcu.edu to view the eight-semester program plan.

Special Education, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor in special education requires 18 hours, including the following:

- SPED 240 - The Exceptional Child **Credits: 3**

Guided Electives

Students should select 15 hours selected from the following:

- SPED 241 - Exceptional Learners in the Adapted Curriculum **Credits: 3**
- SPED 310 - Assessment for Instruction **Credits: 3**
- SPED 311 - Positive Behavioral Supports for Students with Severe Disabilities **Credits: 3**
- SPED 315 - Post-Secondary Education for Students with Intellectual Disabilities **Credits: 3**
- SPED 344 - Assistive Technology for Severe Disabilities **Credits: 3**
- SPED 338 - Program for the Education and Enrichment of Relational Skills (PEERS) **Credits: 3**
- SPED 400 - Creative Thinking and Problem-Solving **Credits: 3**
- SPED 401 - Exceptional Learners in the General Curriculum **Credits: 3**
- SPED 407 - Social, Emotional, and Behavioral Supports in Inclusive Education **Credits: 3**
- SPED 414 - Curriculum and Methods for Students in the Adapted Curriculum **Credits: 3**
- SPED 471 - Foundations of Gifted and Creative Education **Credits: 3**
- SPED 475 - Methods and Models of Gifted and Creative Education **Credits: 3**
- SPED 477 - Curriculum Differentiation for Gifted and Creative Learners **Credits: 3**

3

Coaching, Minor

Total number of hours for the program: 18.

The coaching minor provides theoretical and practical knowledge and experiences in preparation for coaching youth, adolescents, and/or adults in sport and physical activity contexts. Principles of coaching, the care and prevention of injury, the psychosocial aspects of sport participation, and sport-specific coaching methods provide a foundation for a coaching career or other related opportunities.

Theoretical Foundations (14 hours)

Students will need to take the following required courses:

- PE 267 - Principles of Athletic Coaching **Credits: 3**
- HPE 240 - Care and Prevention of Athletic Injuries **Credits: 3**
- HPE 375 - Psychological Aspects of Physical Activity **Credits: 3**
- HPE 320 - Performance Testing and Prescription **Credits: 3**
- PE 315 - Theory & Practice of Strength & Conditioning for Coaches **Credits: 2**

Coaching Strategies and Techniques (4 hours)

Students should select two courses from the following:

- PE 300 - Coaching Baseball **Credits: 2**
- PE 301 - Coaching Basketball **Credits: 2**
- PE 302 - Coaching Football **Credits: 2**
- PE 303 - Coaching Golf **Credits: 2**
- PE 304 - Coaching Soccer **Credits: 2**
- PE 306 - Coaching Softball **Credits: 2**
- PE 307 - Coaching Tennis **Credits: 2**

- PE 308 - Coaching Track and Field **Credits: 2**
- PE 309 - Coaching Volleyball **Credits: 2**
- PE 483 - Coaching Practicum **Credits: 2**

Social Justice, Minor

Total number of hours for the program: 18.

The Social Justice minor is an interdisciplinary minor designed to help students engage in critical examinations of various forms of injustices, the power structures that maintain those injustices, and how those injustices intersect in the experiences of oppressed peoples of the world. The minor will also examine how the struggles of the oppressed create social change even as they experience the challenges and joys of working towards a just world. The minor will focus on praxis (putting theory into practice), culminating in a capstone social justice focused service-learning experience.

Required Courses-9 credit hours total

Choose one of the following: Credits / Units: 3

- SJ 275 - Diversity & Inclusion **Credits: 3**
- Or*
- PRM 275 - Diversity and Inclusion in PRM **Credits: 3**
- Take both of these required core courses: Credits / Units: 6*
- SOC 392 - Theories of Social Justice **Credits: 3**
- SJ 475 - Social Justice Capstone **Credits: 3**

Electives-9 credit hours total

Select three courses from the following list. Students must choose electives from at least two different prefixes. Other elective courses may be substituted into the minor with approval of the program director.

- ANTH 351 - Environmental Anthropology **Credits: 3**
- ANTH 370 - Human Biological Variation **Credits: 3**
- ANTH 419 - Families and Households **Credits: 3**
- ANTH 461 - Indigenous Cultures of North America **Credits: 3**
- CJ 305 - Social Justice and the Law **Credits: 3**
- CJ 438 - Minorities, Crime and Social Policy **Credits: 3**
- COMM 414 - Gender Communication **Credits: 3**
- COMM 415 - Intercultural Communication **Credits: 3**
- EDCI 305 - Global Educational Systems **Credits: 3**
- EDCI 360 - Social Justice in Education **Credits: 3**
- EDMG 300 - Culturally and Linguistically Diverse Middle Grades Students **Credits: 3**
- GBS 200 - Introduction to Black Studies **Credits: 3**
- GBS 300 - Key Paradigms and Theories in Black Studies **Credits: 3**
- HIST 237 - African American History **Credits: 3**
- HIST 337 - History of Slavery **Credits: 3**
- HIST 345 - Modern Native America **Credits: 3**
- LAW 306 - Women and the Law **Credits: 3**
- LEAD 249 - Diversity and Leadership **Credits: 3**
- LEAD 300 - Leadership for Racial Justice **Credits: 3**
- LEAD 301 - Women-Centered Leadership **Credits: 3**
- NAS 452 - The Roots of Health Disparities in Native American Populations **Credits: 3**
- NAS 474 - Issues in Indian Health **Credits: 3**
- PAR 121 - Religious Ethics and Moral Problems **Credits: 3**
- PAR 260 - Religion, Gender, Sexuality **Credits: 3**
- PSC 316 - Gender and Politics **Credits: 3**
- PSC 353 - International Political Economy **Credits: 3**
- PSC 370 - Politics of Ethnic Conflict **Credits: 3**
- SOC 195 - Sociology of Black America **Credits: 3**

- SOC 235 - Social Problems **Credits: 3**
- SOC 245 - Social Inequality **Credits: 3**
- SOC 326 - Sociology of Gender **Credits: 3**
- SOC 333 - Sociology of Mental Health and Illness **Credits: 3**
- SOC 342 - The Individual in Society **Credits: 3**
- SOC 365 - Sociology of the Family **Credits: 3**
- SOC 371 - Environmental Sociology **Credits: 3**
- SOC 373 - Globalization **Credits: 3**
- SOC 410 - Sociology of Aging **Credits: 3**
- SOC 414 - Race and Ethnicity **Credits: 3**
- SOC 417 - Immigration **Credits: 3**
- SOC 423 - Sociology of Sport **Credits: 3**
- SOC 448 - Social Movements **Credits: 3**
- SOC 450 - Sociology of Work **Credits: 3**
- SOCW 251 - Social Issues, Policy and Programs **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- HSCC 205 - Women's Health **Credits: 3**
- HSCC 420 - Cultural Diversity for Health Care Practitioners **Credits: 3**
- RTH 200 - Foundations of Recreational Therapy **Credits: 3**

Academically or Intellectually Gifted (AIG), Undergraduate Certificate

Total number of hours for the program: 12.

This certificate program in AIG prepares people to become teachers of academically or intellectually gifted K-12 students. It is available to teachers already holding or eligible for a North Carolina teaching license in any area. The program requires 12 hours and is completely online except for a one-week field experience associated with SPED 400 that takes place in the summer.

Successful completion leads to recommendation for a teaching license from the North Carolina Department of Public Instruction, pending completion of all state-mandated requirements.

Certificate Requirements

The program requires 12 credit hours and includes the following four courses:

- SPED 400 - Creative Thinking and Problem-Solving **Credits: 3**
- SPED 471 - Foundations of Gifted and Creative Education **Credits: 3**
- SPED 475 - Methods and Models of Gifted and Creative Education **Credits: 3**
- SPED 477 - Curriculum Differentiation for Gifted and Creative Learners **Credits: 3**

Certificate in Birth Kindergarten

Total number of hours for the program: 26.

The Certificate in Birth-Kindergarten is a teacher education licensure program for those who have a Bachelor's Degree and a cumulative 3.00 GPA from an accredited university. The certificate program is designed to recruit, train, and support recent college graduates, mid-career professionals, and retirees as they enter the teaching profession. Successful completion of the certificate program, including all state-mandated requirements, results in a recommendation from WCU to the North Carolina Department of Public Instruction for an initial level Birth-Kindergarten teaching license. Students must first apply for admission to WCU's undergraduate online programs.

Required Courses (26 hours)

- BK 312 - Kindergarten Curriculum **Credits: 3**
- BKSE 313 - Assessment of Young Diverse Learners **Credits: 3**
- BK 316 - Mathematics and Science **Credits: 3**

- BK 473 - Internship I **Credits: 6**
- BK 483 - Internship II **Credits: 8**
- BKSE 427 - Teaching Reading to Young Diverse Learners **Credits: 3**

Certificate in Birth Kindergarten Add-on Licensure Program

Total number of hours for the program: 18.

This add-on licensure certificate program prepares people to become teachers of kindergarten or pre-K. It is available to teachers already holding or eligible for a North Carolina teaching license in any area. The program requires 18 credit hours and is completely online. Successful completion leads to recommendation for a teaching license from the North Carolina Department of Public Instruction, pending completion of all state-mandated requirements. Students must first apply for admission to WCU's undergraduate online programs.

Continuation in the Program

Once admitted, the requirements for continuing in the program are as follows:

1. A GPA of at least 2.75 on hours attempted
2. Behavior that adheres to the NC code of ethics of the profession and the professional dispositions of the College of Education and Allied Professions
3. Satisfactory participation in the required professional field experiences

Requirements for Teacher Licensure

To be eligible for a recommendation for an add-on teaching license in North Carolina, a candidate must meet the following criteria:

1. Complete the approved teacher education program with a GPA of at least 2.75.
2. Complete the application for licensure and file with the Licensure Officer of the College of Education and Allied Professions.
3. Meet WCU testing requirements for Praxis II and Pearson tests, as applicable.
4. Receive a professional recommendation by the Licensure Officer of the College of Education and Allied Professions.
5. Pay the license fee required by the Department of Public Instruction for the issuance of the add-on license.

Required Courses (18 hours)

- BK 312 - Kindergarten Curriculum **Credits: 3**
- BK 316 - Mathematics and Science **Credits: 3**
- BK 361 - Environments for Young Children **Credits: 3**
- BKSE 313 - Assessment of Young Diverse Learners **Credits: 3**
- BKSE 415 - Evaluation & Intervention of Social-Emotional Competencies in Young Children **Credits: 3**
- BKSE 427 - Teaching Reading to Young Diverse Learners **Credits: 3**

College of Engineering and Technology

Office Information:

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Website: <https://cet.wcu.edu>

Dr. Randy Collins, Dean

Dr. Chip Ferguson, Associate Dean

Faculty and Staff Directory: <https://www.wcu.edu/learn/departments-schools-colleges/cet/about/contact.aspx>

The primary mission of the College of Engineering and Technology is to prepare students for professional-level careers in construction management, engineering, and engineering technology. The basis for this education is the integrated Project-based Learning (PBL) approach throughout all years of the curricula. Faculty are dedicated to providing innovative programs that integrate classroom, laboratory, and workplace experience. Faculty bring a strong commitment to teaching and extensive industry and business experience, while the College's laboratories contain some of the most modern, high-tech equipment available at any college or university.

A secondary mission of the College of Engineering and Technology is to serve as a resource to the region by extending the knowledge and expertise of college faculty to assist business and industry and to support economic development. The Rapid Center facilitates this engagement. Courses as well as individual students can become involved in these engagement activities.

College of Engineering and Technology Computer Requirement. The College of Engineering and Technology uses Virtual Computing Laboratories for instruction. All students enrolling for courses in the College of Engineering and Technology must have a *laptop* computer that meets standard university networking and hardware configuration requirements. Due to the complex requirements of engineering and technology-related software, we require laptops with more advanced configurations than those required by the university as a whole. Our laptop specifications may be found on our website at cet.wcu.edu

Engineering Sales and Distribution, Certificate

Total number of hours for the program: 18.

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 - Principles of Marketing **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

Total number of hours for the program: 14-15.

Students may elect to include in their programs of study a 14-15 hour sequence in occupational safety. Emphasis is placed on the interpretation, application, and administration of the Occupational Safety and Health Act and other regulations to assist students in gaining entry-level expertise that can be applied directly in business and industry.

Certificate Requirements

Students who complete the courses below, with a minimum GPA of 2.0 will be awarded a certificate in occupational safety by the Department of Engineering Technology. The certificate is co-sponsored by the North Carolina Industrial Commission.

Students should take one of the following:

- ENVH 230 - Introduction to Environmental Health Science **Credits: 3**
or
- ENVH 457 - Industrial Hygiene **Credits: 3**
or
- HEAL 120 - Personal and Community Health **Credits: 2**
or
- EMC 240 - Introduction to Emergency Medical Care **Credits: 4**

Students should take all of the following:

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

or their equivalents

Construction Management, BS

Total number of hours for the program: 120.

The Bachelor of Science Degree in Construction Management (CM) is designed to provide students with a broad-based knowledge of the construction industry, a solid education, and extensive training in business and management applications. Students can also work with state-of-the-art technology and CM industry-standard software.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Note: Five courses (Lecture 15 credits) in the major also meet the Liberal Studies requirements: (ECON 231, GEOL 310, MATH 170, MKT 409, and PHYS 130).

Major Courses (87 hours)

The major requires 87 hours of major courses as follows and 6 hours of technical electives:

- ACCT 251 - Financial Accounting - A User Perspective **Credits: 3**
- CM 121 - Introduction to Construction **Credits: 3**
- CM 131 - Construction Human Factors and Safety **Credits: 3**
- CM 180 - Construction Graphics and Building Information Modeling **Credits: 3**
- CM 211 - Construction Methods **Credits: 3**
- CM 212 - Construction Materials **Credits: 2**
- CM 213 - Construction Materials Lab **Credits: 1**
- CM 222 - Construction Surveying **Credits: 2**
- CM 223 - Construction Surveying Lab **Credits: 1**
- CM 231 - Construction Documents and Codes **Credits: 3**
- CM 242 - Estimating I **Credits: 3**
- CM 296 - Professional Development Seminar **Credits: 1**
- CM 312 - Statics and Strength of Materials **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 390 - Environmental Issues in Construction **Credits: 3**
- CM 402 - Construction Financial Management **Credits: 3**
- CM 425 - Mechanical and Electrical Construction **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**
- ECON 231 - Introductory Microeconomics and Social Issues **Credits: 3**
- GEOL 310 - Principles of Soils and Hydrology for Construction Managers **Credits: 4**
- LAW 230 - Legal and Ethical Environment of Business **Credits: 3**
- MATH 146 - Precalculus II **Credits: 4**
- MATH 170 - Applied Statistics **Credits: 3**
- MGT 300 - Introduction to Management **Credits: 3**
- MKT 409 - Negotiations/Relationship Marketing **Credits: 3**
- PHYS 130 - Introductory Physics I **Credits: 4**

Technical Electives (6 hours)

Two courses (six hours) of Technical Electives are required. Pick two classes from the following list of pre-approved technical electives:

- CM 401 - Construction Temporary Structures **Credits: 3**
- CM 393 - Topics in Construction Management **Credits: 1-3, R9**
- CM 424 - Facilities Management **Credits: 3**
- CM 461 - Land Development I **Credits: 3**

The required internship (CM 483) is completed during the summer before the senior year.

Engineering Technology (Engineering and Technical Operations Concentration), BS

Total number of hours for the program: 124.

The College of Engineering and Technology offers upper-level courses for two-year college graduates at three off-campus sites: Asheville, Hickory (Morganton), and Spindale, North Carolina. Graduates earn a BS degree in Engineering Technology -

Concentration in Engineering and Technical Operations. The Engineering Technology (Engineering and Technical Operations Concentration) program is **not** accredited by ABET, <http://www.abet.org>. For further information, contact Amber Thompson, Distance Learning Program Coordinator, at 828-227-2517 or email: acthompson@email.wcu.edu

Engineering (Mechanical, Manufacturing and Electrical Power Concentrations), BS

Total number of hours for the program: 126.

The B.S.E. degree is a general engineering degree program with three concentrations (Mechanical, Manufacturing, and Electrical Power). Courses in the degree program are offered in Cullowhee and Biltmore Park.

The B.S.E. program provides a foundation in mathematics, sciences, and engineering, augmented with engineering concentrations. The Mechanical concentration focuses on mechanics, 3D visualization and simulation, analysis of static and dynamic systems, energy, and machine design. The Electrical Power concentration focuses on electric power systems, power electronics, smart grid design, renewable and sustainable energy, electric machines and drives, and emphasizes fundamental coursework in electrical and mechanical engineering. The Manufacturing concentration focuses on 3D visualization, manufacturing processes, computer-aided design and manufacturing, automated manufacturing systems, and advanced manufacturing. Students work with outstanding faculty members who bring industry and business expertise to the classroom. The program emphasizes the hands-on application of theoretical and technical concepts through project-based learning (PBL), and students work on real-world assignments with companies across Western North Carolina, and beyond, through our Center for Rapid Product Realization.

Liberal Studies (42 credits)

Liberal Studies Program Requirements

Note: Four courses (12 credits) required for this program also meet Liberal Studies requirements: ENGR 199, MATH 153, CHEM 139, PHYS 230. Students must be aware that if these courses are not taken to meet Liberal Studies requirements, they will still need to be completed for the BS Engineering degree. See Liberal Studies Program Requirements for list of Liberal Studies courses.

Major Requirements

Students who declare the Engineering major will be admitted to the program if they place into Calculus I (MATH 153) or above. To continue in the major, students must maintain a minimum GPA of 2.2. Exceptions will be considered by the school on a case-by-case basis.

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

Engineering Core (31 credits)

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

- EE 200 - Computer Utilization **Credits: 3**
- ENGR 132 - Engineering Graphics **Credits: 3**
- ENGR 199 - Introduction to Engineering Practices and Principles I **Credits: 3**
- ENGR 200 - Engineering Practices and Principles II **Credits: 3**
- ENGR 201 - Engineering Mechanics: Statics **Credits: 3**
- ENGR 350 - Engineering Practices and Principles III **Credits: 3**
- ENGR 400 - Engineering Capstone I **Credits: 3**

- ENGR 402 - System Dynamics and Control **Credits: 3**
- ENGR 450 - Engineering Capstone II **Credits: 3**
- ME 301 - Engineering Mechanics: Dynamics **Credits: 3**
- ME 211 - Mechanical Engineering Lab I **Credits: 1**

Mathematics and Science (36 credits)

- CHEM 139 - General Chemistry I **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- MATH 255 - Calculus II **Credits: 4**
- MATH 256 - Calculus III **Credits: 4**
- MATH 320 - Ordinary Differential Equations **Credits: 3**
- MATH 370 - Probability and Statistics I **Credits: 3**
- PHYS 230 - General Physics I **Credits: 4**
- PHYS 231 - General Physics II **Credits: 4**
- ENGR 211 - Materials Science **Credits: 3**
- ENGR 411 - Engineering Numerical Analysis **Credits: 3**

Technical Elective (3 credits)

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

- ENGR 331 - Design for Manufacturing **Credits: 3**
- EE 453 - Smart Grid Design and Analysis **Credits: 3**
- ENGR 332 - Finite Element Analysis **Credits: 3**
- ENGR 333 - Vibration Analysis **Credits: 3**
- ENGR 493 - Special Topics in Engineering **Credits: 1-3, R6**

Mechanical Concentration (26 credits)

Students in this discipline work in a wide range of fields. As one of the broader areas of engineering a student will gain knowledge of machine design, thermo-fluid systems, and materials. Graduates work in a wide variety of sectors including automotive, aerospace, medical, construction, government, consulting, manufacturing, and management.

- ME 302 - Design of Machine Elements I **Credits: 3**
- ME 311 - Mechanical Engineering Lab II **Credits: 1**
- ME 312 - Mechanical Engineering Lab III **Credits: 1**
- ME 321 - Fluid Dynamics **Credits: 3**
- ME 332 - Heat Transfer: Analysis and Applications **Credits: 3**
- ME 401 - Design of Machine Elements II **Credits: 3**
- ENGR 202 - Mechanics of Materials **Credits: 3**
- ENGR 231 - 3-D Solid Modeling **Credits: 3**
- ENGR 315 - Electrical Engineering Fundamentals **Credits: 3**
- ENGR 353 - Thermodynamics **Credits: 3**

Electrical Power Concentration (26 credits)

The role of electrical power is expanding as we move towards renewable energy sources. This concentration prepares students to design and maintain systems that include electric vehicles, the power grid, and advanced electronics.

- EE 201 - Network Theory I **Credits: 3**
- EE 202 - Network Theory II **Credits: 3**
- EE 211 - Logic and Networks Laboratory **Credits: 1**
- EE 212 - Instrumentation and Networks Laboratory **Credits: 1**
- EE 221 - Logic Systems Design I **Credits: 3**
- EE 311 - Electronic Devices Laboratory **Credits: 1**
- EE 331 - Fundamentals of Electronics and Semiconductors **Credits: 3**
- EE 451 - Electric Power Systems **Credits: 3**
- EE 452 - Electric Machines and Drives **Credits: 3**
- EE 471 - Power Electronics: Design and Analysis **Credits: 3**

- EE 472 - Advanced Power Electronics and Drives: Design and Analysis **Credits:** 2

Manufacturing Concentration (26 credits)

Students in this concentration are prepared to work in manufacturing and design environments. Employment opportunities in this sector are plentiful and wages are competitive. Graduates typically create and manage world class products with high quality and low cost.

- MFE 311 - Manufacturing Engineering Lab I **Credits:** 1
- MFE 312 - Manufacturing Engineering Lab II **Credits:** 1
- MFE 324 - Computer Aided Design and Manufacturing **Credits:** 3
- MFE 327 - Quality Engineering **Credits:** 3
- MFE 365 - Design of Manufacturing Systems **Credits:** 3
- MFE 375 - Automated Manufacturing Systems **Credits:** 3
- MFE 424 - Advanced Manufacturing Processes I **Credits:** 3
- MFE 427 - Advanced Manufacturing Processes II **Credits:** 3
- ENGR 231 - 3-D Solid Modeling **Credits:** 3
- ENGR 315 - Electrical Engineering Fundamentals **Credits:** 3

Additional Requirements

To graduate with a BS Engineering degree, all students must have a cumulative GPA of 2.2 or higher for all courses in the major.

Additional Information

Visit the School's website at <https://www.wcu.edu/learn/departments-schools-colleges/cet/undergrad-programs/engineering.aspx> to view the eight-semester curriculum guide.

Electrical Power Engineering, Minor

Total number of credit hours for the program: 17.

This minor is designed to meet the need for a skilled workforce in the Power Engineering disciplines with power generation, transmission, and distribution companies in mind. It is a minor with broad coverage of topics including power systems, electrical machines, and power electronics. Design and analysis are the primary objectives of the course topics.

This minor is not available to students in the B.S. Engineering - Electrical Power concentration.

Core Courses

Core courses required for the minor are as follows (14 credit hours):

- EE 331 - Fundamentals of Electronics and Semiconductors **Credits:** 3
- EE 451 - Electric Power Systems **Credits:** 3
- EE 452 - Electric Machines and Drives **Credits:** 3
- EE 471 - Power Electronics: Design and Analysis **Credits:** 3
- EE 472 - Advanced Power Electronics and Drives: Design and Analysis **Credits:** 2

Elective Courses

Choose from one of the 3-credit hours courses below:

- ENGR 353 - Thermodynamics **Credits:** 3
- ENGR 402 - System Dynamics and Control **Credits:** 3
- ME 301 - Engineering Mechanics: Dynamics **Credits:** 3

Engineering Technology (Applied Systems Technology), BS

Total number of hours for the program: 125.

The Engineering Technology (Applied Systems Technology) BS program is distinguished by its focus on applying theoretical principles to solve practical problems. Unlike traditional engineering programs, Engineering Technology students have more applied hands-on coursework based on current technologies. Students in this program learn about many topics related to product design and manufacturing. Topics include robotics and automation, materials, manufacturing processes, computer-aided design (CAD), quality control, and management.

Accreditation

The Engineering Technology - Applied Systems Technology BS program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Note: Four courses (12 credits) required for the concentration also meet Liberal Studies requirements: ENGR 199, MATH 153, CHEM 139, and PHYS 230. Students are strongly advised to use these classes to meet Liberal Studies requirements. They should realize that if these courses are not taken to meet Liberal Studies requirements, they will still need to be completed for the BS Engineering degree and could result in a tuition surcharge. See Liberal Studies Program Requirements for a list of Liberal Studies courses.

Major Requirements

The Engineering Technology (Applied Systems Technology) major requires 95 credits, 12 of which also meet the Liberal Studies requirements (ENGR 199, MATH 153, CHEM 139, and PHYS 130).

A minimum cumulative GPA of 2.30 in all major courses is required to earn the Engineering Technology (Applied Systems Technology) degree.

Continuing Student Requirements

To continue in the Engineering Technology (Applied Systems Technology) major, students must maintain a minimum cumulative GPA of 2.30 in courses required by the major. Students may be removed from the Engineering Technology (Applied Systems Technology) major and placed in Engineering Intended if they earn more than two of the following grades in the major in an academic year: U, W, and C- or lower. For more details, contact the School of Engineering + Technology.

Students cannot remain in the Engineering Intended major after completing more than 45 credit hours.

Admission

An application is required for all prospective students. The application and admissions process are available on the SET website: set.wcu.edu. Students who are not admitted to a program in the School of Engineering + Technology may be placed in Engineering-Intended.

- **First Year Students:**

The requirements for admission into the engineering technology major include placement into Precalculus II (MATH 146) or above. Students accepted to the university but not admitted into the engineering technology major may be placed in Engineering Intended. Placement in the Engineering Intended major does not guarantee admission into the engineering technology degree program.

Refer to the school website for application details and deadlines: set.wcu.edu

- **Admission for Engineering-Intended and Change-of-Major students already enrolled at WCU**

The requirements for admission into the engineering technology major include placement into Precalculus II (MATH 146) or above. The preferred requirement for admission is a cumulative GPA of 3.00 in all previous undergraduate courses.

Refer to the school website for application details and deadlines: *set.wcu.edu*

- **Admission for Transfer Students**

The requirements for admission into the engineering technology major include placement into Precalculus II (MATH 146) or above. The preferred requirement for admission for transfer students is a cumulative GPA of 3.00 (from all previous undergraduate courses at all prior institutions).

Refer to the school website for application details and deadlines: *set.wcu.edu*

Applied Systems Technology (AST) Concentration Requirements

- ECET 301 - Electrical Systems **Credits: 3**
- ENGL 402 - Technical Writing **Credits: 3**
- ENGR 132 - Engineering Graphics **Credits: 3**
- ENGR 199 - Introduction to Engineering Practices and Principles I **Credits: 3**
- ENGR 200 - Engineering Practices and Principles II **Credits: 3**
- ENGR 231 - 3-D Solid Modeling **Credits: 3**
- ENGR 350 - Engineering Practices and Principles III **Credits: 3**
- ENGR 352 - Thermodynamics and Heat Transfer **Credits: 3**
- ENGR 400 - Engineering Capstone I **Credits: 3**
- ENGR 450 - Engineering Capstone II **Credits: 3**
- ET 141 - Engineering Materials and Processes **Credits: 3**
- ET 232 - Engineering Statics **Credits: 3**
- ET 310 - Advanced 3D Computer Modeling and Rapid Prototyping **Credits: 3**
- ET 331 - Quality Systems **Credits: 3**
- ET 332 - Strength of Materials **Credits: 3**
- ET 333 - Strength of Materials Laboratory **Credits: 1**
- ET 334 - Lean Six Sigma **Credits: 3**
- ET 349 - Rapid Tooling and Prototyping **Credits: 3**
- ET 351 - Engineering Analysis **Credits: 3**
- ET 420 - Advanced Engineering Materials **Credits: 3**
- ET 425 - Metrology and Reverse Engineering **Credits: 3**
- ET 436 - Engineering Economic Analysis **Credits: 3**
- ET 441 - Power Transmission Systems **Credits: 3**
- ET 472 - Integrated Control Systems **Credits: 3**

Technical Electives

Technical Elective Credits (six credit hours). Students can select two of the pre-approved technical electives listed below:

- ECET 211 - Electronic Drafting and Fabrication **Credits: 3**
- EE 200 - Computer Utilization **Credits: 3**
- ET 389 - Cooperative Education **Credits: 1-3, R9**
- ET 493 - Special Topics **Credits: 1-3, R6**
- MATH 255 - Calculus II **Credits: 4**
- MATH 256 - Calculus III **Credits: 4**
- MATH 320 - Ordinary Differential Equations **Credits: 3**
- MATH 370 - Probability and Statistics I **Credits: 3**

Math and Science Requirements

- CHEM 139 - General Chemistry I **Credits: 4**
- MATH 146 - Precalculus II **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- MATH 270 - Statistical Methods I **Credits: 3**
- PHYS 130 - Introductory Physics I **Credits: 4**

Additional Requirements

The mathematics, sciences, and first-year seminar courses that are required in the major may be used to satisfy Liberal Studies categories C2, C5, and FYS.

Visit the school's website to view the eight-semester curriculum guide.

Construction Management, Minor

Total number of hours for the program: 19.

The construction management minor is open to non-Construction Management majors and is designed to provide undergraduate students in other majors with the fundamentals of construction management knowledge necessary for advanced study in areas of construction. When completed with the minor, students should have a good understanding of the latest developments in construction methods and technology. The minor also aligns students with career paths leading to increased management responsibility. The Construction Management Minor consists of 19 credit hours of coursework. Of those credit hours, 13 are required courses and 6 may come from approved electives.

Required Courses (13 Credit Hours)

- CM 121 - Introduction to Construction **Credits: 3**
- CM 211 - Construction Methods **Credits: 3**
- MATH 146 - Precalculus II **Credits: 4**
- CM 242 - Estimating I **Credits: 3**

Electives (6 Credit Hours)

- CM 131 - Construction Human Factors and Safety **Credits: 3**
- CM 180 - Construction Graphics and Building Information Modeling **Credits: 3**
- or*
- IDES 359 - CADD for Interior Design II **Credits: 3**
- CM 211 - Construction Methods **Credits: 3**
- CM 212 - Construction Materials **Credits: 2**
- CM 213 - Construction Materials Lab **Credits: 1**
- CM 222 - Construction Surveying **Credits: 2**
- CM 223 - Construction Surveying Lab **Credits: 1**
- CM 231 - Construction Documents and Codes **Credits: 3**
- or*
- IDES 240 - Materials & Codes **Credits: 3**
- CM 312 - Statics and Strength of Materials **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 390 - Environmental Issues in Construction **Credits: 3**
- CM 393 - Topics in Construction Management **Credits: 1-3, R9**
- CM 402 - Construction Financial Management **Credits: 3**
- CM 425 - Mechanical and Electrical Construction **Credits: 3**
- CM 430 - Construction Legal Aspects **Credits: 3**
- CM 431 - Construction Project Management **Credits: 3**
- LAW 230 - Legal and Ethical Environment of Business **Credits: 3**

Electrical and Computer Engineering Technology, BS

Total number of hours for the program: 126.

Students in the Electrical and Computer Engineering Technology (ECET) Program study electronics and computers. The ECET program is designed for students who love computers and how they work and are interested in practical applications. Students in the program learn how to apply math, science, and engineering technology fundamentals to today's technical challenges. The Project-Based Learning (PBL) curriculum emphasizes the problem-solving, team-based learning, and communication skills needed to work in all industry sectors. ECET graduates contribute to technical advancements in society and

pursue careers in industries such as transportation, communications, computer systems, electric power, renewable energy, electronics, aerospace, health care, media, and manufacturing.

The program emphasizes the application of microcomputers to the solution of industrial problems relating to automation, instrumentation, control of systems involving robotics, data communications, networks, and/or automated testing. In all cases, microcomputer hardware and software are used for data acquisition, transfer, and analysis.

Accreditation

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The Electrical and Computer Engineering Technology major requires 93 credits, 9 of which (ENGR 199, MATH 153, and PHYS 130) also meet the Liberal Studies requirements, 70 credits from the Electrical and Computer Engineering Technology Core, and 23 credits from the Mathematics and Science Core.

The minimum cumulative GPA of 2.20 in all major courses is required to earn the Electrical and Computer Engineering Technology degree.

Continuing Student Requirements

To continue in the Electrical and Computer Engineering Technology program, students should maintain a minimum cumulative GPA of 2.20 for courses taken to date at Western Carolina University. Students should complete the following courses with a C or better: ECET 231, ECET 321, and MATH 153. ECET students in good standing, or with permission, may enroll in junior- and senior-level major courses.

Admission

An application is required for all prospective students. The application and admissions process are available on the School's website: set.wcu.edu. Students who are not admitted to a program in the School of Engineering + Technology may be placed in Engineering Intended. Students cannot remain in the Engineering Intended major after completing more than 45 credit hours.

- **First Year Students:**

The requirements for admission into the Electrical and Computer Engineering Technology major include placement into Precalculus II (MATH 146) or above. Students accepted to the university but not admitted into the Electrical and Computer Engineering Technology major may be placed in Engineering Intended. Placement in the Engineering Intended major does not guarantee admission into the Electrical and Computer Engineering Technology program.

Refer to the school website for application details and deadlines: set.wcu.edu

- **Admission for Engineering Intended and Change-of-Major students already enrolled at WCU**

The requirements for admission into the Electrical and Computer Engineering Technology major include placement into Precalculus II (MATH 146) or above.

Refer to the school website for application details and deadlines: set.wcu.edu

- **Admission for Transfer Students**

The requirements for admission into the Electrical and Computer Engineering Technology major include placement into Precalculus II (MATH 146) or above.

Refer to the school website for application details and deadlines: set.wcu.edu

Electrical and Computer Engineering Technology Core (70 hours)

The major requires 70 hours as follows (3 of which count as Liberal Studies):

- ECET 211 - Electronic Drafting and Fabrication **Credits: 3**
- ECET 221 - Digital Integrated Circuits Laboratory **Credits: 1**
- ECET 231 - Circuit Analysis I **Credits: 4**
- ECET 242 - Electronic Circuits **Credits: 4**
- ECET 290 - Computer Engineering Fundamentals **Credits: 3**
- ECET 312 - Electronic Communication Fundamentals **Credits: 4**
- ECET 321 - Circuit Analysis II **Credits: 4**
- ECET 332 - Microcontrollers **Credits: 4**
- ECET 341 - Advanced Circuit Analysis **Credits: 3**
- ECET 431 - Microcontroller Interfacing **Credits: 4**
- ECET 446 - Modern Power Systems Analysis **Credits: 4**
- ECET 452 - Control Systems **Credits: 4**
- ECET 461 - Digital Signal Processing **Credits: 3**
- ECET 464 - Instrumentation **Credits: 4**
- EE 200 - Computer Utilization **Credits: 3**
- EE 221 - Logic Systems Design I **Credits: 3**
- ENGR 199 - Introduction to Engineering Practices and Principles I **Credits: 3**
- ENGR 200 - Engineering Practices and Principles II **Credits: 3**
- ENGR 350 - Engineering Practices and Principles III **Credits: 3**
- ENGR 400 - Engineering Capstone I **Credits: 3**
- ENGR 450 - Engineering Capstone II **Credits: 3**

Mathematics and Science Core (23 hours)

The major requires 23 hours as follows (6 of which count as Liberal Studies):

- MATH 146 - Precalculus II **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- MATH 255 - Calculus II **Credits: 4**
- PHYS 130 - Introductory Physics I **Credits: 4**
- PHYS 131 - Introductory Physics II **Credits: 4**
- and MATH 170 - Applied Statistics **Credits: 3** or
- MATH 270 - Statistical Methods I **Credits: 3**

Additional Information

Visit the department's website at set.wcu.edu to view the eight-semester curriculum plan.

Accreditation

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

Electrical Engineering, BSEE

Total number of hours for the program: 126.

The Bachelor of Science in Electrical Engineering (BSEE) program provides a foundation in mathematics, sciences, and engineering. Additional coursework provides a broad Electrical Engineering foundation and depth in various areas of Electrical Engineering including communications, analog/digital electronics, control theory, computers, and digital design. Students work with outstanding faculty members who bring industry and business expertise to the classroom. The program emphasizes the hands-on application of theoretical and technical concepts through project-based learning (PBL), and students work on real-world assignments with companies across Western North Carolina, and beyond, through The Rapid Center. BSEE graduates contribute to technological advancements in society and pursue wide ranges of technical and/or managerial careers in both private and public sectors.

Accreditation

The Electrical Engineering, BSEE program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/>.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

***NOTE: Four major courses (12 credits) also meet Liberal Studies requirements: ENGR 199, MATH 153, CHEM 139 and PHYS 230. Students must be aware that if these courses are not taken to meet Liberal Studies requirements, they will still need to be completed for the BS Electrical Engineering degree.**

Major Requirements

The Electrical Engineering major requires 96 credits, 12 of which (ENGR 199, MATH 153, CHEM 139, and PHYS 230) also meet the Liberal Studies requirements, 61 credits from the Electrical Engineering Core, 32 credits from the Mathematics and Science Core, and 3 credits from Technical Electives.

The minimum cumulative GPA of 2.20 in all major courses is required to earn the Electrical Engineering degree.

To continue in the Electrical Engineering major, students must maintain a minimum cumulative overall GPA of 2.20 for courses taken to date at Western Carolina University. Students may be removed from the Electrical Engineering major and placed in Engineering Intended if they earn more than two of the following grades in the major in an academic year: U, W, and C- or lower. For more details, contact the School of Engineering + Technology.

An application is required for all prospective students. The application and admissions process are available on the School's website: set.wcu.edu

Students who are not admitted to a program in the School of Engineering + Technology may be placed in Engineering Intended.

• First Year Students:

The requirements for admission into the Electrical Engineering major include placement into Calculus I (MATH 153) or above. Students accepted to the university but not admitted into the Electrical Engineering major may be placed in Engineering Intended. Placement in the Engineering Intended major does not guarantee admission into the Electrical Engineering program.

Refer to the school website for application details and deadlines: set.wcu.edu

• Admission for Engineering Intended and Change-of-Major students already enrolled at WCU:

The requirements for admission into the Electrical Engineering major include placement into Calculus I (MATH 153) or above.

Refer to the school website for application details and deadlines: set.wcu.edu

• Admission for Transfer Students:

The requirements for admission into the Electrical Engineering major include placement into Calculus I (MATH 153) or above.

Refer to the school website for application details and deadlines: set.wcu.edu

Electrical Engineering

- EE 200 - Computer Utilization **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 311 - Electronic Devices Laboratory **Credits: 1**
- EE 312 - Systems and Electronics Laboratory **Credits: 1**
- EE 321 - Electromagnetic Fields **Credits: 3**

- EE 322 - Electromagnetic Waves **Credits: 3**
- EE 331 - Fundamentals of Electronics and Semiconductors **Credits: 3**
- EE 332 - Electronics **Credits: 3**
- EE 351 - Systems Analysis I **Credits: 3**
- EE 411 - Analog Communication Systems **Credits: 3**
- EE 413 - Digital Communication Systems **Credits: 3**
- EE 421 - Digital Systems Design **Credits: 3**
- EE 424 - Digital Signal Processing **Credits: 3**
- ENGR 199 - Introduction to Engineering Practices and Principles I **Credits: 3**
- ENGR 200 - Engineering Practices and Principles II **Credits: 3**
- ENGR 350 - Engineering Practices and Principles III **Credits: 3**
- ENGR 400 - Engineering Capstone I **Credits: 3**
- ENGR 402 - System Dynamics and Control **Credits: 3**
- ENGR 450 - Engineering Capstone II **Credits: 3**

Mathematics/Science

- CHEM 139 - General Chemistry I **Credits: 4**
 - MATH 153 - Calculus I **Credits: 4**
 - MATH 255 - Calculus II **Credits: 4**
 - MATH 256 - Calculus III **Credits: 4**
 - MATH 320 - Ordinary Differential Equations **Credits: 3**
 - MATH 370 - Probability and Statistics I **Credits: 3**
 - PHYS 230 - General Physics I **Credits: 4**
 - PHYS 231 - General Physics II **Credits: 4**
- (Note: The PHYS 231 Lab is not required for Electrical Engineering majors. Overrides may be requested from the Chemistry and Physics Department.)*
- PHYS 310 - Modern Physics **Credits: 3**

Technical Elective

Any 3 credit hour 400-level EE course that is not required in the Electrical Engineering Core can count as a Technical elective. PHYS 322, PHYS 325, or any 3 credit hour 400-level PHYS course can also count as a Technical elective. Other technical courses may be available with School permission.

Additional Information

Visit the school's website to view the 8-semester curriculum guide at set.wcu.edu.

Accreditation

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

Certificate in Robotics and Automation Engineering

Total number of hours for the program: 12.

This certificate is designed to meet the need for a skilled workforce in Robotics and Automation Engineering.

Students must have a minimum of 60 undergraduate credits before applying for the certificate program. A minimum cumulative GPA of 2.50 is required for acceptance.

Students will need a minimum GPA of 2.50 in the certificate courses to be awarded a certificate in Robotics and Automation Engineering.

Students will need three semesters to complete the certificate. The starting point for the certificate is the co-requisites and pre-requisites for RAE 301.

Core (9 credits)

- RAE 301 - Mechatronics **Credits: 3**
- RAE 401 - Robotic Systems I: Design and Application **Credits: 3**
- RAE 402 - Robotic Systems II: Integrated Systems **Credits: 3**

Electives (3 credits)

Choose one course from the following:

- ECET 452 - Control Systems **Credits: 4**
- ENGR 402 - System Dynamics and Control **Credits: 3**
- ET 472 - Integrated Control Systems **Credits: 3**
- ME 403 - Control of Dynamic Systems **Credits: 3**

David Orr Belcher College of Fine and Performing Arts

Office Information:

392 Belk Building
(828) 227-7028

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

Dr. George Brown, Dean
Jane Hughes, Associate Dean

Faculty and Staff Directory: <https://www.wcu.edu/learn/departments-schools-colleges/fpa/contact-cfpa.aspx>

The role of the David Orr Belcher College of Fine and Performing Arts is to implement the University's mission through the exploration of a broad range of human culture and knowledge through great experiences in the arts.

The mission of the College is to strengthen and expand the intellectual and cultural horizons of the university and the larger community by providing a creative learning environment in the arts. The College is responsible to the Provost and is organized into the following units: The School of Art and Design, the School of Music, the School of Stage and Screen, and the John W. Bardo Fine and Performing Arts Center's Fine Art Museum and Performance Halls.

The David Orr Belcher College of Fine and Performing Arts is the creative showcase for the university. Through its dedication to excellence and the integration of teaching, scholarship, and service by its faculty, the College offers a wide variety of educational and cultural opportunities to the campus and the region. Through design, musical performances, theatre, dance, motion pictures, videos, and the visual arts, the College is a unique and highly visible source of cultural enrichment.

Of primary importance in the College is the teaching/learning process that takes place in classrooms, studios, rehearsal halls, theatres, and field locations, venues that engage students, staff, and faculty in a common effort to provide an environment where intellectual challenges, the free exchange of ideas, and high standards of scholarship and creativity prevail to provide great experiences for our various constituencies. The fine arts programs hold national accreditation by the National Association of Schools of Art and Design (NASAD), Council for Interior Design Accreditation (CIDA), National Association of Schools of Theatre (NAST), National Association of Schools of Music (NASM) and the American Association of Museums (AAM - pending).

Music Technology, Certificate

Total number of hours for the program: 15.

Undergraduate Certificate in Music Technology.

Program Description

This program provides music education students with an opportunity to develop enhanced competence in music technology, including MIDI/synthesis, digital audio, live sound, and recording arts. The certificate can be completed concurrently with an undergraduate music education degree, or it can be completed in four semesters of part-time post-baccalaureate study.

Admission Requirements

- 2.75 GPA.
- Current undergraduate music education major or undergraduate degree in music.
- Interview with coordinator of Commercial Music and Audio Production program.

Required Courses (9 hours)

- MUS 150 - Fundamentals of Audio **Credits: 3**
- MUS 151 - Live Sound Reinforcement **Credits: 2**
- MUS 181 - Introduction to MIDI/Synthesis **Credits: 2**
- MUS 281 - Introduction to Digital Audio **Credits: 2**

Music Technology Electives (6 hours)

Select 6 hours in consultation with your advisor.

- MUS 182 - Computer Music Notation **Credits: 2**
- MUS 320 - Songwriting Techniques & Analysis **Credits: 3**
- MUS 378 - Survey of the Music Industry **Credits: 3**
- MUS 379 - Introduction to Recording Arts **Credits: 2**
- MUS 383 - Post-Production Audio for Film and Television **Credits: 3**
- MUS 426 - Jazz Arranging and Composing **Credits: 3**
- MUS 468 - Composing for Film and Video **Credits: 3**
- MUS 483 - Practicum in Music **Credits: 1-3, R3**

Arts & Entrepreneurship Undergraduate Certificate

Total number of hours for the program: 15.

The undergraduate certificate in Arts & Entrepreneurship addresses the principles of arts management through an entrepreneurial lens. This certificate is designed for arts practitioners seeking to increase their knowledge of contemporary arts management and entrepreneurial practices.

Core Requirements (9 credits)

Students should take all of the following:

- FPA 439 - Arts & Entrepreneurship **Credits: 3**
- ENT 325 - New Venture Creation **Credits: 3**
- FIN 210 - Managing Your Money for Financial Success **Credits: 3**

Intensives (6 credits)

Students should take no less than six credits, accumulated through repetition of one credit hour courses from multiple sections of FPA 450.

- FPA 450 - Arts & Entrepreneurship Intensive **Credits: 1, R6**

Art, BA

Total number of hours for the Program: 120.

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

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Required Major Courses (18 hours)

- ART 131 - Introductory Drawing **Credits: 3**
- ART 132 - Two-Dimensional Design **Credits: 3**
- ART 136 - Art History Survey I **Credits: 3**
- ART 137 - Art History Survey II **Credits: 3**
- ART 142 - Three-Dimensional Design **Credits: 3**
- PAR 310 - Philosophy of Art **Credits: 3**

Additional Art Electives (21 hours)

The major requires 21 additional hours of ART courses, at least 12 hours of which must be at the junior/senior (300/400) level, chosen from the following:

- ART 231 - Life Drawing **Credits: 3**
- ART 233 - Introductory Painting **Credits: 3**
- ART 234 - Introductory Printmaking **Credits: 3**
- ART 241 - Introductory Sculpture **Credits: 3**
- ART 251 - Introductory Ceramics **Credits: 3**
- ART 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 377 - Painting III **Credits: 3**
- ART 380 - Ceramics III **Credits: 3**
- ART 381 - Sculpture III **Credits: 3**
- ART 404 - Greco Roman Art **Credits: 3**
- ART 405 - History of Photography **Credits: 3**
- ART 412 - Nineteenth-Century Painting **Credits: 3**
- ART 414 - American Art **Credits: 3**
- ART 416 - Contemporary Art **Credits: 3**
- ART 418 - Development of Modern Art: Painting, Sculpture, and Architecture **Credits: 3**
- ART 419 - History of Design **Credits: 3**
- ART 433 - Painting IV **Credits: 3, R12**
- ART 434 - Problems in Printmaking **Credits: 3, R12**
- ART 440 - Advanced Drawing **Credits: 3, R12**
- ART 443 - Sculpture IV **Credits: 3, R12**
- ART 451 - Problems in Ceramics **Credits: 3, R12**
- ART 452 - Problems in Sculpture **Credits: 3, R9**
- ART 453 - Problems in Painting **Credits: 3, R9**
- ART 455 - Photography II **Credits: 3**
- ART 459 - Book Arts II **Credits: 3, R12**
- ART 480 - Experimental Studio **Credits: 3, R12**
- ART 481 - Independent Study in Studio Art **Credits: 1-6, R12**
- ART 493 - Topics in Art **Credits: 1-4, R12**

World Languages Requirement (6 hours)

Additional Requirements

BA students must complete six credit hours of a foreign language; a minor or a second major in a field outside the School of Art and Design, or an approved program; and general electives to fulfill the 120 hours required for the degree.

Art, BFA with an Emphasis in Graphic Design

Total number of hours for the program: 120.

The Bachelor of Fine Art degree with Emphasis in Graphic Design focuses on design thinking, interactive and experience design, research and social practices, and developing professional production skills.

The program combines strategic interdisciplinary relationships with research, cultural investigations, and design in a broad range of media. The 4-year program requires a summer internship and prepares students for the collaborative, interactive, and participatory nature of careers in design fields and graduate study in related disciplines.

Graphic Design is uniquely defined by the diversity of studio and academic courses available within the program. Interwoven with challenging content in literature, history, technology, business, and science are courses that support print and screen-based communication, interactive and motion design, and in-depth work developing a range of technical, conceptual, and design process skills.

Our graphic design graduates work within diverse fields of interdisciplinary applications of professional design, including: healthcare and marketing, motion design, animation, web design, interactive design, and design studio practices.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Entrance Requirements

Students interested in Graphic Design must submit an entrance portfolio.

The entrance portfolio for the BFA with Emphasis in Graphic Design must be submitted prior to enrolling in Graphic Design emphasis studio classes.

Current first-year students are encouraged to submit after completing the freshman-level Foundation classes. Transfer students must submit their entrance portfolio prior to enrolling in the Graphic Design program. Incoming students considering the BFA with Emphasis in Graphic Design can submit their portfolio prior to enrolling in classes at WCU.

Detailed guidelines for entrance portfolio preparation and submission are available at the School of Art & Design, Graphic Design Emphasis webpage:

<https://www.wcu.edu/learn/departments-schools-colleges/fpa/artdesign/undergraduate-programs/graphic.aspx>

Digital Portfolio

The Graphic Design Entrance Portfolio consists of 12-20 (including direct observational drawings) of your best and most recent work.

The entrance portfolio should include a variety of media and approaches. It can include assignment-based projects, self-directed work and sketchbook work, which often provide information on the applicant's creative process.

The portfolio does not need to be major-specific, and can include both 2-dimensional and 3-dimensional work in a variety of media and formats including: paintings, drawings, printmaking, sculpture, ceramics, digital, animation, etc. , do not include work that is copied from photographs, uses the grid system or directly replicates any other artist's work (including replicating anime drawings, cartoons, or video game character designs).

As part of the 12-20 works submitted, students must include 3-5 drawings from direct observation. Examples of observational work include landscape, still-life, self-portrait,

figure drawings, and interior spaces. Do not submit drawings from imagination or copied from photographs for the observational work.

Include the following information for each work submitted: include your name, title of work, date completed, media and size (in inches). Example: (1, Jon Smith, Self-Portrait, Mixed media, 1/2018, 24"x 48") Your images should not exceed 1280 x 1280 x 72 ppi.

Include a 500-word (max) essay stating your intent to submit your entrance portfolio for consideration into the Graphic Design Program. You have a unique background, interests and personality, write a personal, thoughtful essay about something that has meaning for you. Be honest and genuine. Include an introduction about yourself, talk a little about your existing knowledge about design and or art, or how you think it connects to another discipline you are interested in. Describe your skills and ambitions, and what truly motivates you. Describe your future goals.

Additional Details and Portfolio Advice can be found at:

<https://www.wcu.edu/learn/departments-schools-colleges/fpa/artdesign/undergraduate-programs/graphic.aspx>

Major Requirements

Students must earn a grade of C or better in each course in the major. If this benchmark is not met for the studio classes required for the graphic design emphasis, the class must be retaken before moving forward in the program sequence.

Required Major Courses (18 hours)

- ART 131 - Introductory Drawing **Credits: 3**
- ART 132 - Two-Dimensional Design **Credits: 3**
- ART 136 - Art History Survey I **Credits: 3**
- ART 137 - Art History Survey II **Credits: 3**
- ART 142 - Three-Dimensional Design **Credits: 3**
- ART 416 - Contemporary Art **Credits: 3**

Graphic Design Emphasis (30 hours)

- ART 270 - Communication Design **Credits: 3**
- ART 275 - Typography I **Credits: 3**
- ART 371 - Design Studio 1 **Credits: 3**
- ART 375 - Interactive Design **Credits: 3**
- ART 460 - Motion Design I **Credits: 3**
- ART 471 - Design Studio 2 **Credits: 3, R6**
- ART 473 - Portfolio Design **Credits: 3, R6**
- ART 475 - Typography II **Credits: 3, R6**
- ART 479 - Motion Design II **Credits: 3, R6**
- ART 483 - Art Internship **Credits: 3**

Exploratory Studio Electives (15-21 hours)

Select 15-21 credit hours of Studio Art Courses 200 level and above.

- ART 231 - Life Drawing **Credits: 3**
- ART 233 - Introductory Painting **Credits: 3**
- ART 234 - Introductory Printmaking **Credits: 3**
- ART 241 - Introductory Sculpture **Credits: 3**
- ART 251 - Introductory Ceramics **Credits: 3**
- ART 272 - Introductory Photography **Credits: 3**
- ART 273 - Intro to Digital Photography **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 377 - Painting III **Credits: 3**

- ART 380 - Ceramics III **Credits:** 3
- ART 381 - Sculpture III **Credits:** 3
- ART 433 - Painting IV **Credits:** 3, R12
- ART 434 - Problems in Printmaking **Credits:** 3, R12
- ART 440 - Advanced Drawing **Credits:** 3, R12
- ART 443 - Sculpture IV **Credits:** 3, R12
- ART 451 - Problems in Ceramics **Credits:** 3, R12
- ART 452 - Problems in Sculpture **Credits:** 3, R9
- ART 453 - Problems in Painting **Credits:** 3, R9
- ART 455 - Photography II **Credits:** 3
- ART 461 - Problems in Design **Credits:** 3, R9
- ART 476 - Problems in Photography **Credits:** 3, R9
- ART 480 - Experimental Studio **Credits:** 3, R12
- ART 481 - Independent Study in Studio Art **Credits:** 1-6, R12
- ART 493 - Topics in Art **Credits:** 1-4, R12

Alternate Exploratory Electives (0-6 hours)

Select 0-6 credit hours from the list below.

- CIS 240 - Intro to Coding with Python **Credits:** 3
- CIS 340 - Python for Analytics **Credits:** 3
- CIS 493 - Topics in Information Systems **Credits:** 1-3, R15
- CS 150 - Problem Solving and Programming I **Credits:** 4
- FTP 155 - Camera Craft **Credits:** 3
- MKT 201 - Principles of Marketing **Credits:** 3
- MKT 406 - Social Media Marketing **Credits:** 3
- MUS 150 - Fundamentals of Audio **Credits:** 3
- MUS 383 - Post-Production Audio for Film and Television **Credits:** 3

Upper Level Art History (6 hours)

Students should choose one course from the 300-400 level Art History courses listed below, and ART 419.

- ART 419 - History of Design **Credits:** 3
AND, Select one course from the following:
- ART 404 - Greco Roman Art **Credits:** 3
- ART 405 - History of Photography **Credits:** 3
- ART 412 - Nineteenth-Century Painting **Credits:** 3
- ART 414 - American Art **Credits:** 3
- ART 418 - Development of Modern Art: Painting, Sculpture, and Architecture **Credits:** 3
- ART 482 - Independent Study in Art History **Credits:** 1-6, R6
- ART 486 - Exhibition Practicum **Credits:** 3

General Electives (3 hours)

To complete the program, students should select three hours of general electives. To satisfy the university requirement, 30 total hours must be at the 300/400 level.

Music, BA

Total number of hours for the program: 120.

To major in music, students must pass an audition in the principal performance area and take a music aptitude examination. Based on the audition and examination, MUS 105, 108, and 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. Courses taken to meet the large ensemble requirement must reflect the applied study area; only one will count per semester. All

wind and percussion majors in the BA program must include a minimum of one semester in marching band.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements (48 hours)

Take eight hours of Applied Music courses in one of the following combinations:

- Two semesters (each) of MUS 107 (2, R6) and MUS 207 (2, R6)
- Two semesters (each) of MUS 106 (1, R3), 206 (1, R3), 306 (1, R3), 406 (1, R3)
- Any combination of the above as approved by the student's advisor

Students should take all of the following:

- MUS 148 - Piano Class I **Credits: 1**
- MUS 149 - Piano Class II **Credits: 1**
- MUS 208 - Aural Skills II **Credits: 1**
- MUS 218 - Music Theory II **Credits: 3**
- MUS 248 - Piano Class III **Credits: 1**
- MUS 249 - Piano Class IV **Credits: 1**
- MUS 303 - The World of Music **Credits: 3**
- MUS 305 - Junior Recital **Credits: 0**
- MUS 308 - Aural Skills III **Credits: 1**
- MUS 309 - Aural Skills IV **Credits: 1**
- MUS 318 - Music Theory III **Credits: 3**
- MUS 319 - Music Theory IV **Credits: 3**
- MUS 329 - Fundamentals of Conducting **Credits: 2**
- MUS 358 - Concert Attendance **Credits: 0**
- MUS 418 - Music History I **Credits: 3**
- MUS 419 - Music History II **Credits: 3**
- MUS 474 - Capstone **Credits: 1**

A minimum of six semesters of large ensembles must be taken for a total of six credit hours, chosen in consultation with the major advisor.

Select six hours of non-performance music electives. Students who choose the Music Industry Option may substitute MUS 378 and 383.

Additional Requirements (30 hours)

To complete the program, 30 hours, including a minimum of four hours at the junior/senior level and six hours of a foreign language, are required.

One of the following options must be completed:

Minor, Second Major, or Approved Program

The choice of minor, second major, or approved program will determine the number of general elective and upper-level hours needed to meet the minimum 120 hours required for the degree.

or

Music Industry Option (30 hours)

- BA 133 - Introduction to Business **Credits: 3**
- MUS 378 - Survey of the Music Industry **Credits: 3**
- MUS 489 - Internship **Credits: 3, 6, or 9, R9**
(nine hours required in MUS 489)
- MUS 383 - Post-Production Audio for Film and Television **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 - Principles of Marketing **Credits: 3**
- MUS 475 - Arts Management **Credits: 3**
- MUS 483 - Practicum in Music **Credits: 1-3, R3**

General Electives

Additional general electives may be necessary to meet the minimum 120 hours for the degree if courses required for the degree are also used to meet Liberal Studies requirements.

Film and Television Production, BFA

Total number of hours for the program: 120.

The BFA in Film & Television Production is designed to produce award-winning filmmakers with broad strengths across multiple disciplines within the motion picture craft. The program requires 52 credit hours in core coursework, 12 credit hours in general electives, and 14 credit hours of practicum. Prospective students must apply to the program separately from their university applications. For more information on admission, see our Stage and Screen admission page:

<https://www.wcu.edu/learn/departments-schools-colleges/fpa/stagescreen/admission/>

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Additional Requirements:

All students must apply and be accepted into the Film and Television Production program. Students who are accepted must follow the guidelines established in the Stage and Screen Program Continuation Policy and the Film and Television Production program handbook in order to remain in the program.

Major Requirements

Film and Television Production BFA Core (52 hours)

FTP Students must take the following courses totaling 52 credit hours:

- FTP 110 - Introduction to Screenwriting **Credits: 3**
- FTP 155 - Camera Craft **Credits: 3**
- FTP 157 - Non-Linear Editing **Credits: 3**
- FTP 241 - Visual Effects **Credits: 3**
- FTP 251 - Lighting for Film and Television **Credits: 3**
- FTP 388 - Production I **Credits: 3**
- FTP 484 - Production II **Credits: 6**
- FTP 489 - Production III **Credits: 3**
- FTP 495 - FTP Senior Exit Strategies **Credits: 3**
- MUS 150 - Fundamentals of Audio **Credits: 3**
- MUS 383 - Post-Production Audio for Film and Television **Credits: 3**
- MUS 469 - Music in Motion Pictures **Credits: 3**
- THEA 145 - Foundations of Stage and Screen **Credits: 3**

Film Practicum (14 hours)

Students must take a total of 14 credit hours of film practicum credits: two repeatable credits per semester, or seven semesters total of the practicum courses. FTP 386 - Film Practicum I, will be offered in the fall. FTP 387 - Film Practicum II, will be offered in the spring.

- FTP 386 - Film Practicum I **Credits: 2, R10**

General Electives (9 hours)

Students must take 12 hours of general electives to get to 120. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general degree requirements.

Art, BFA with an Emphasis in Studio Art

Total number of hours for the program: 120.

Students must earn a grade of C or better in each course in the major.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Entrance Requirements

The BFA is a focused pre-professional degree, leading to careers or graduate study in art and design. Students can declare the BFA as a major but must submit a portfolio of digital images and a letter of application that describes their goals and interests in the fields of art and design and must pass the BFA Entrance Portfolio Review before completing 80 hours. At the time of application portfolio for the BFA, students must identify their concentration in one of the three areas: Studio Art, Graphic Design, or Art Education.

Digital Portfolio

Students will submit digital images of 12 original artworks that successfully incorporate principles and elements of 2D and 3D art and design. These examples should provide evidence of competency with tool usage, measuring, material handling, and presentation. Within this portfolio, students should include three to five analytical drawings demonstrating basic knowledge of perspective and proportion. This group of drawings should include some drawings made from direct observation. In addition, the portfolio should include some work that evidences personal ideas and concept development. Detailed guidelines for portfolio preparation and submission are available at the School of Art & Design.

Major Requirements

Required Major Courses (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**
- ART 416 - Contemporary Art **Credits: 3**

Studio Emphasis (total of 30 hours)

Required Studio Emphasis (9 hours)

- ART 474 - Portfolio **Credits: 3**
- ART 480 - Experimental Studio **Credits: 3, R12**
- ART 483 - Art Internship **Credits: 3**

Studio Emphasis electives (21 hours)

Students should choose an additional 21 hours of studio courses at the junior-senior level:

- ART 330 - Drawing II **Credits: 3, R12**
- ART 333 - Painting II **Credits: 3, R12**
- ART 334 - Printmaking II **Credits: 3, R12**
- ART 342 - Sculpture II **Credits: 3, R12**
- ART 351 - Ceramics II **Credits: 3, R12**
- ART 359 - Introductory Book Arts **Credits: 3**
- ART 377 - Painting III **Credits: 3**

- ART 380 - Ceramics III **Credits: 3**
- ART 381 - Sculpture III **Credits: 3**
- ART 433 - Painting IV **Credits: 3, R12**
- ART 434 - Problems in Printmaking **Credits: 3, R12**
- ART 440 - Advanced Drawing **Credits: 3, R12**
- ART 443 - Sculpture IV **Credits: 3, R12**
- ART 451 - Problems in Ceramics **Credits: 3, R12**
- ART 452 - Problems in Sculpture **Credits: 3, R9**
- ART 453 - Problems in Painting **Credits: 3, R9**
- ART 455 - Photography II **Credits: 3**
- ART 459 - Book Arts II **Credits: 3, R12**
- ART 480 - Experimental Studio **Credits: 3, R12**
- ART 481 - Independent Study in Studio Art **Credits: 1-6, R12**
- ART 493 - Topics in Art **Credits: 1-4, R12**

Exploratory Studio Electives (18 hours)

Students should select 18 hours from studio courses offered at the 200-level or above:

- ART 231 - Life Drawing **Credits: 3**
- ART 233 - Introductory Painting **Credits: 3**
- ART 234 - Introductory Printmaking **Credits: 3**
- ART 241 - Introductory Sculpture **Credits: 3**
- ART 251 - Introductory Ceramics **Credits: 3**
- ART 272 - Introductory Photography **Credits: 3**
- ART 273 - Intro to Digital Photography **Credits: 3**
- ART 330 - Drawing II **Credits: 3, R12**
- ART 359 - Introductory Book Arts **Credits: 3**
- ART 493 - Topics in Art **Credits: 1-4, R12**

Upper-Level Art History Electives (6 hours)

Students should select six hours of Art History electives at the junior-senior level:

- ART 404 - Greco Roman Art **Credits: 3**
- ART 405 - History of Photography **Credits: 3**
- ART 412 - Nineteenth-Century Painting **Credits: 3**
- ART 414 - American Art **Credits: 3**
- ART 418 - Development of Modern Art: Painting, Sculpture, and Architecture **Credits: 3**
- ART 419 - History of Design **Credits: 3**
- ART 482 - Independent Study in Art History **Credits: 1-6, R6**
- ART 486 - Exhibition Practicum **Credits: 3**

General Electives (6 hours)

To complete the program, students should select six hours of general electives. To satisfy the university requirement, 32 total hours must be at the 300/400 level.

Art, Minor

Total number of hours for the Program: 21.

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

Foundation Courses

The minor requires 21 hours, including both of the following:

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

Electives

With the advice of the head of the art department, students should select nine hours of art electives.

Art History Requirement

The minor includes six hours (two classes) of Art History electives selected from the following:

- ART 136 - Art History Survey I **Credits: 3**
- ART 137 - Art History Survey II **Credits: 3**
- IDES 465 - Travel Studies in Interior Design **Credits: 3, R6**

Dance, Minor

Total number of hours for the minor: 18

Required Courses

- DA 259 - Dance Appreciation **Credits: 3**
- DA 260 - Anatomy for Dance **Credits: 2**
- DA 261 - Ballet I **Credits: 2, R4**

These classes are required for the Dance Minor. Ballet I may be replaced by Ballet II or Ballet III when taken with Instructor Permission.

Additional Requirements

Students should select 11 hours from the following:

- DA 253 - Social/Ballroom Dance **Credits: 1**
- DA 255 - Tap I **Credits: 2**
- DA 257 - Dance Performance **Credits: 1, R3**
- DA 262 - Modern I **Credits: 2, R4**
- DA 264 - Jazz I **Credits: 2, R4**
- DA 301 - Dance Choreography **Credits: 2**
- DA 303 - Ballet II **Credits: 2, R4**
- DA 304 - Modern II **Credits: 2, R4**
- DA 305 - Jazz II **Credits: 2, R4**
- DA 306 - Tap II **Credits: 2, R4**
- DA 402 - Musical Theatre Song & Dance **Credits: 2**
- DA 403 - Ballet III **Credits: 2**

Note: Students must meet proficiency, at professor's discretion, to proceed to next level in each discipline.

Music, Minor

Total number of hours for the program: 18.

The minor in music provides a foundation in personal musicianship through individual instruction in musical performance, ensemble participation, and coursework in music fundamentals.

Minor Requirements

Audition and permission of the department head are required to enroll in the minor. The minor requires 18 hours, including:

- MUS 108 - Aural Skills I **Credits: 1**
- MUS 118 - Music Theory I **Credits: 3**
- MUS 208 - Aural Skills II **Credits: 1**
- MUS 218 - Music Theory II **Credits: 3**

Studio Instruction

A total of four hours from the following, as approved by your music advisor (two semesters of MUS 107 are recommended):

- MUS 107 - Applied Major **Credits: 2, R6**
- MUS 106 - Applied Minor **Credits: 1, R3**
- MUS 206 - Applied Minor **Credits: 1, R3**

Additional Requirements

- Two semesters of a major ensemble (MUS 371, 372, or 373).
- Two semesters of MUS 358.
- Four hours of music electives.

Stage & Screen, BA

The total number of hours for the program: 120.

The BA in Stage and Screen is for students interested in a general education that provides training in the multiple crafts of theatre and film. Admission into the program is by audition or interview only and is subject to the program continuation policy. Students must maintain at least a 2.50 GPA to graduate with the degree.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

Production (8 hours)

Students must take four semesters of THEA 270, at one production credit per semester, followed by four semesters of THEA 371 at one production credit per semester.

- THEA 270 - Theatre Arts Workshops I **Credits: 1, R12**
- THEA 371 - Theatre Arts Workshops II **Credits: 1, R4**

Electives (21 hours)

Students should choose 21 credit hours, nine of which should come from the School of Stage and Screen. The remaining credits can come from any class offered by the university.

Skills Core (49 Hours)

Students should take the following skills courses:

- THEA 110 - Stage and Film Crafts I **Credits: 3**
- THEA 111 - Stage and Film Crafts II **Credits: 3**
- THEA 122 - Design Basics **Credits: 3**
- THEA 145 - Foundations of Stage and Screen **Credits: 3**
- THEA 180 - Acting I **Credits: 3**
- THEA 235 - Stage Management **Credits: 3**
- THEA 303 - Script Analysis **Credits: 3**
- THEA 400 - History of Theatre **Credits: 3**
- THEA 495 - BA Senior Project **Credits: 3**
- THEA 496 - Seminar in Professional Development **Credits: 1**
- FTP 155 - Camera Craft **Credits: 3**
- FTP 251 - Lighting for Film and Television **Credits: 3**
- FTP 340 - Filmmakers on Filmmaking **Credits: 3**
- *Students should choose three hours (one course) from the following:*
- THEA 110 - Introduction to Screenwriting **Credits: 3**
- THEA 230 - Playwriting **Credits: 3**
- *Students should choose six hours (two courses) from the following:*
- THEA 305 - Properties Design **Credits: 3**
- THEA 308 - Lighting Design **Credits: 3**
- THEA 311 - Costume Design **Credits: 3**
- THEA 312 - Scenic Design **Credits: 3**
- THEA 350 - Directing I **Credits: 3**

Additional Requirements

A total of 120 hours is required for this major, at least 30 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Visit the department's website at <https://www.wcu.edu/learn/departments-schools-colleges/fpa/stagescreen/> to view the eight-semester curriculum guide.

Theatre, BFA

Total number of hours for the program: 120.

For acceptance into the BFA program in Acting for Stage and Screen, Musical Theatre, or Entertainment Design, and Technology, students must be extended an invitation into the program after a live audition or interview process. Students are then evaluated artistically and academically each year through the Program Continuation Policy and must successfully complete 120 hours of coursework as outlined in the program's eight-semester plan to be granted a degree.

A minimum GPA of 2.50 is required for graduation with the BFA degree.

Admission to the Bachelor of Fine Arts in Theatre: Acting for Stage and Screen, Musical Theatre, or Entertainment Design and Technology

Admission requirements include the standard undergraduate admissions process for the University as well as a live audition or interview through the School of Stage and Screen.

Note: Entrance into each program in the School of Stage and Screen in competitive. Please refer to the school's website for details on the admission process and live audition requirements for individual programs.

Admission to the university does not guarantee admission into the School of Stage and Screen.

Major Requirements

The BFA requires 120 hours as follows:

Entertainment Design and Technology Concentration

- Liberal Studies: 42 hours
- Electives: 9 hours
- Stage and Screen Core BFA Courses: 24 hours
- EDT Concentration Courses: 45 hours

Acting Concentration:

- Liberal Studies: 42 hours
- Electives: 9 hours
- Stage and Screen Core BFA Courses: 24 hours
- Acting Concentration Courses: 45 hours

Musical Theatre Concentration:

- Liberal Studies: 42 hours
- Electives: 9 hours
- Stage and Screen Core BFA Courses: 24 hours
- Musical Theatre Concentration Courses: 45 hours

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Stage and Screen Core BFA Courses:

Required Stage and Screen Core Courses for all BFA students, 24 hours.

Note: THEA 270 must be taken every semester for 1 credit for a total of 4 credits. THEA 371 must be taken every semester for 1 credit for a total of 4 credits, at the Junior/Senior level.

- THEA 124 - Stage and Film Makeup **Credits: 3**
- THEA 145 - Foundations of Stage and Screen **Credits: 3**
- THEA 180 - Acting I **Credits: 3**
- THEA 270 - Theatre Arts Workshops I **Credits: 1, R12**
- THEA 303 - Script Analysis **Credits: 3**
- THEA 371 - Theatre Arts Workshops II **Credits: 1, R4**
- THEA 400 - History of Theatre **Credits: 3**
- THEA 496 - Seminar in Professional Development **Credits: 1**

Acting for Stage and Screen Concentration Courses

In addition to the Liberal Studies, Electives, and Stage and Screen Core BFA Courses, students in the Acting Concentration will complete the following courses:

- THEA 110 - Stage and Film Crafts I **Credits: 3**
- THEA 185 - Acting for the Camera I **Credits: 3**
- THEA 220 - Stage Movement **Credits: 3**
- THEA 240 - Voice and Articulation **Credits: 3**
- THEA 260 - Dialects **Credits: 1**
- THEA 280 - Acting for the Camera II **Credits: 3**
- THEA 285 - Acting II **Credits: 3**
- THEA 300 - Improv **Credits: 3**
- THEA 320 - Stage Movement II **Credits: 3, R2**
- THEA 341 - Acting III **Credits: 3**
- THEA 350 - Directing I **Credits: 3**
- THEA 385 - Acting for the Camera III **Credits: 3**
- THEA 440 - Voice and Articulation II **Credits: 3**
- THEA 478 - Acting for the Camera IV **Credits: 3**
- THEA 485 - Acting IV **Credits: 3**
- THEA 499 - BFA Thesis/Senior Showcase **Credits: 2**

Musical Theatre Concentration Courses

In addition to the Liberal Studies, Electives, and Stage and Screen Core BFA Courses, students in the Musical Theatre Concentration will complete the following courses:

- THEA 106 - Applied Voice I **Credits: 1, R3**
- THEA 148 - Musicianship for Musical Theatre I **Credits: 3**
- THEA 149 - Musicianship for Musical Theatre II **Credits: 3**
- THEA 206 - Applied Voice II **Credits: 1, R3**
- THEA 208 - Song Study **Credits: 1**
- THEA 209 - Musical Theatre Ensembles **Credits: 1**
- THEA 220 - Stage Movement **Credits: 3**
- THEA 240 - Voice and Articulation **Credits: 3**
- THEA 260 - Dialects **Credits: 1**
- THEA 285 - Acting II **Credits: 3**
- THEA 306 - Applied Voice III **Credits: 1, R3**
- THEA 341 - Acting III **Credits: 3**
- THEA 406 - Applied Voice IV **Credits: 1, R3**
- THEA 499 - BFA Thesis/Senior Showcase **Credits: 2**
- DA 255 - Tap I **Credits: 2**
- DA 261 - Ballet I **Credits: 2, R4**
- DA 303 - Ballet II **Credits: 2, R4**
- DA 305 - Jazz II **Credits: 2, R4**
- DA 264 - Jazz I **Credits: 2, R4**
- DA 402 - Musical Theatre Song & Dance **Credits: 2**

Entertainment Design and Technology Concentration Courses

In addition to the Liberal Studies, Electives, and Stage and Screen Core BFA Courses, students in the Entertainment Design and Technology Concentration will complete the following courses:

- FTP 251 - Lighting for Film and Television **Credits: 3**
- THEA 110 - Stage and Film Crafts I **Credits: 3**
- THEA 111 - Stage and Film Crafts II **Credits: 3**
- THEA 122 - Design Basics **Credits: 3**
- THEA 123 - Presentation Media **Credits: 3**
- THEA 235 - Stage Management **Credits: 3**
- THEA 237 - Costume Crafts and Makeup **Credits: 3**
- THEA 239 - Sound Technology **Credits: 3**
- THEA 305 - Properties Design **Credits: 3**
- THEA 308 - Lighting Design **Credits: 3**
- THEA 311 - Costume Design **Credits: 3**
- THEA 312 - Scenic Design **Credits: 3**
- THEA 322 - Period Styles **Credits: 3**
- THEA 337 - Costume Technology **Credits: 3**
- THEA 497 - Design/Tech Capstone **Credits: 3**

Electives for Theatre BFA

Students may take any other courses offered by the university as major electives totaling nine credit hours.

Entertainment Design and Technology: Nine credit hours.

Acting for Stage and Screen: Nine credit hours.

Musical Theatre: Nine credit hours.

Interior Design, BS

Total number of hours for the program: 120.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 78 hours as follows:

Interior Design Courses (57 hours)

- IDES 240 - Materials & Codes **Credits: 3**
- IDES 250 - Introduction to Interior Design **Credits: 3**
- IDES 253 - Visual Communication in ID **Credits: 3**
- IDES 255 - Space Planning **Credits: 3**
- IDES 256 - Perspective Drawing **Credits: 3**
- IDES 258 - CADD for Interior Design I **Credits: 3**
- IDES 259 - Design Thinking **Credits: 3**
- IDES 351 - Lighting Design **Credits: 3**
- IDES 352 - Junior Studio I **Credits: 3**
- IDES 355 - History of Furniture and Design **Credits: 3**
- IDES 356 - Junior Studio II **Credits: 3**
- IDES 359 - CADD for Interior Design II **Credits: 3**
- IDES 360 - Professional Practice in Interior Design **Credits: 3**
- IDES 450 - Senior Studio I **Credits: 3**
- IDES 451 - Kitchen and Bath Design **Credits: 3**
- IDES 453 - Senior Research **Credits: 3**
- IDES 455 - Senior Studio II **Credits: 3**
- IDES 457 - Senior Capstone **Credits: 3**
- IDES 483 - Internship **Credits: 3**

Art Foundations (6 hours)

- ART 132 - Two-Dimensional Design **Credits:** 3
- ART 142 - Three-Dimensional Design **Credits:** 3

Art History (6 hours)

Select six hours from the following:

- ART 136 - Art History Survey I **Credits:** 3
- ART 137 - Art History Survey II **Credits:** 3
- OR
- IDES 465 - Travel Studies in Interior Design **Credits:** 3, R6

Art electives

Select three hours from the following:

- ART 131 - Introductory Drawing **Credits:** 3
- ART 231 - Life Drawing **Credits:** 3
- ART 233 - Introductory Painting **Credits:** 3
- ART 234 - Introductory Printmaking **Credits:** 3
- ART 241 - Introductory Sculpture **Credits:** 3
- ART 251 - Introductory Ceramics **Credits:** 3
- ART 270 - Communication Design **Credits:** 3
- ART 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 377 - Painting III **Credits:** 3
- ART 380 - Ceramics III **Credits:** 3
- ART 381 - Sculpture III **Credits:** 3
- ART 411 - Ceramics IV **Credits:** 3
- ART 459 - Book Arts II **Credits:** 3, R12
- ART 480 - Experimental Studio **Credits:** 3, R12
- IDES 493 - Topics in Interior Design **Credits:** 1-3, R6

General Electives

Students should select six hours of general electives.

Additional Requirements

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

Visit the department's website at <https://www.wcu.edu/learn/departments-schools-colleges/fpa/artdesign/undergraduate-programs/ides.aspx> to view the eight-semester curriculum guide.

Art, BFA with an Emphasis in Art Education

Total number of hours for the program: 120.

Students must earn a grade of C or better in each course in the major.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

Students seeking licensure must enroll simultaneously and complete the Art, BFA with an Emphasis in Art Education and the Art, BSEd.

Entrance Requirements

Required Major Courses (21 hours)

- ART 131 - Introductory Drawing **Credits:** 3
- ART 132 - Two-Dimensional Design **Credits:** 3
- ART 136 - Art History Survey I **Credits:** 3
- ART 137 - Art History Survey II **Credits:** 3
- ART 142 - Three-Dimensional Design **Credits:** 3
- ART 416 - Contemporary Art **Credits:** 3
- ART 465 - Art Methods for the Elementary School **Credits:** 3

Professional Education Sequence (26 hours)

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits:** 3
- SPED 240 - The Exceptional Child **Credits:** 3
- EDCI 430 - Culturally Relevant Classroom Management **Credits:** 3
- EDSE 483 - Secondary/Special Subject Area Internship I **Credits:** 2-3
- ART 463 - Art Methods for the Middle and High School **Credits:** 3
- EDSE 485 - Internship II **Credits:** 6
- ART 491 - Supervised Student Teaching in Art, K-12 **Credits:** 3
- EDSE 495 - Seminar **Credits:** 3

Exploratory Art Electives (27 hours)

Students should take nine courses (27 hours) from the following list. Six hours of exploratory art electives must be taken at the junior/senior (300/400) level.

- ART 231 - Life Drawing **Credits:** 3
- ART 233 - Introductory Painting **Credits:** 3
- ART 234 - Introductory Printmaking **Credits:** 3
- ART 241 - Introductory Sculpture **Credits:** 3
- ART 251 - Introductory Ceramics **Credits:** 3
- ART 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 377 - Painting III **Credits:** 3
- ART 380 - Ceramics III **Credits:** 3
- ART 381 - Sculpture III **Credits:** 3
- ART 433 - Painting IV **Credits:** 3, R12
- ART 434 - Problems in Printmaking **Credits:** 3, R12
- ART 440 - Advanced Drawing **Credits:** 3, R12
- ART 443 - Sculpture IV **Credits:** 3, R12
- ART 451 - Problems in Ceramics **Credits:** 3, R12
- ART 452 - Problems in Sculpture **Credits:** 3, R9
- ART 453 - Problems in Painting **Credits:** 3, R9
- ART 455 - Photography II **Credits:** 3
- ART 459 - Book Arts II **Credits:** 3, R12
- ART 480 - Experimental Studio **Credits:** 3, R12
- ART 481 - Independent Study in Studio Art **Credits:** 1-6, R12
- ART 493 - Topics in Art **Credits:** 1-4, R12

Upper-level Art History Electives (3 hours)

Students must take three hours must be taken at the junior/senior level selected from the following:

- ART 404 - Greco Roman Art **Credits:** 3
- ART 405 - History of Photography **Credits:** 3
- ART 412 - Nineteenth-Century Painting **Credits:** 3
- ART 414 - American Art **Credits:** 3

- ART 418 - Development of Modern Art: Painting, Sculpture, and Architecture **Credits: 3**
- ART 419 - History of Design **Credits: 3**
- ART 482 - Independent Study in Art History **Credits: 1-6, R6**
- ART 486 - Exhibition Practicum **Credits: 3**

General Electives (1 hour)

To complete the degree, students should select one hour of general electives (from any course).

Music, BM

Total hours required for the program: 128 for the Concentration in Music Education; 120 for the Concentration in Performance or Commercial Music and Audio Production.

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, and 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. Courses used to meet the large ensemble requirement must reflect the applied study area; only one will count per semester. For students in the BM program, marching band is required only in the Instrumental Music Education Concentration.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements (41 hours)

The major requires 41 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 **Credits: 1**
- MUS 218 - Music Theory II **Credits: 3**
- MUS 248 - Piano Class III **Credits: 1**
- MUS 249 - Piano Class IV **Credits: 1**
- MUS 303 - The World of Music **Credits: 3**
- MUS 305 - Junior Recital **Credits: 0**
- MUS 308 - Aural Skills III **Credits: 1**
- MUS 309 - Aural Skills IV **Credits: 1**
- MUS 318 - Music Theory III **Credits: 3**
- MUS 319 - Music Theory IV **Credits: 3**
- MUS 329 - Fundamentals of Conducting **Credits: 2**
- MUS 358 - Concert Attendance **Credits: 0**
(six semesters required)
- MUS 418 - Music History I **Credits: 3**
- MUS 419 - Music History II **Credits: 3**
A minimum of six semesters of large ensembles must be taken for a total of six credit hours, chosen in consultation with the major advisor.

Concentrations

Choose *one* of the following concentrations:

Music Education

The B.M. in Music Education requires a minimum of 128 hours for the degree, provided MUS 303 is used to meet the Liberal Studies P6 World Cultures requirement.

Students receiving the BM degree in Music with a concentration in Choral/General or Instrumental Music Education will also receive the BSED degree in Music Education from the College of Education and Allied Professions. Both the Choral/General and the Instrumental concentrations require completion of the Professional Education Sequence.

Teacher Education Program

Teacher Education Program Policies and Procedures

Professional Education Sequence for Music Education (25 hours)

During the sophomore year, Music Education students must apply for admission to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 and SPED 240 are the only courses in the professional education sequence that may be taken before admission to teacher education.

A minimum GPA of 2.75 is required for admission, continuation, and graduation in the Music Education program. Music Education students must earn a C or better in the Professional Education Sequence (listed below) *and* in MUS 323, 324, and 329, and either MUS 327/428 or MUS 326/429 (whichever is required).

Core Courses

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- EDCI 430 - Culturally Relevant Classroom Management **Credits: 3**
- MUS 326 - Instrumental Methods and Materials **Credits: 3**

or

- MUS 327 - Choral Methods and Materials **Credits: 3**

Intern I (one hour required)

- EDSE 484 - Supervised Internship I **Credits: 1-3**

Intern II

- EDSE 485 - Internship II **Credits: 6**
- EDSE 495 - Seminar **Credits: 3**
- MUS 491 - Supervised Student Teaching in Music, K-12 **Credits: 3**

Note: You must be fully admitted into the Teacher Education program and have a 2.75 cumulative GPA to enroll in all courses in this Professional Education Sequence except for EDCI 201 and SPED 240.

Choral/General Music Concentration (21 hours)

- MUS 168 - String Pedagogy **Credits: 1**
- MUS 258 - Diction for Singers I **Credits: 1**
- MUS 259 - Diction for Singers II **Credits: 2**
- MUS 283 - Music Technology Applications **Credits: 1**
- MUS 307 - Applied Major **Credits: 2, R6**
(two semesters required)
- MUS 323 - Music in the Elementary School **Credits: 2**
- MUS 324 - Music in the Middle School **Credits: 2**
- MUS 428 - Choral Conducting **Credits: 2**
- MUS 470 - Orchestration and Arranging **Credits: 2**

Select four hours of Music Education electives from the following list:

- MUS 169 - Guitar Pedagogy **Credits: 1**
- MUS 313 - Band Instrument Repair **Credits: 1**
- MUS 314 - Jazz Pedagogy **Credits: 1**
- MUS 403 - Marching Band Techniques **Credits: 1, R4**
- MUS 411 - Advanced Vocal Pedagogy **Credits: 3**
- MUS 412 - Teaching in the Private Studio **Credits: 1**

Instrumental Music Concentration (21 hours)

All wind and percussion majors in the Instrumental Music concentration must include a minimum of three semesters in a concert band and two semesters in marching band. For keyboard, strings, and guitar majors, band must be the major ensemble; performance on secondary winds or percussion is required.

- MUS 168 - String Pedagogy **Credits: 1**
- MUS 283 - Music Technology Applications **Credits: 1**
- MUS 307 - Applied Major **Credits: 2, R6**
(two semesters required)
- MUS 311 - Brass Pedagogy **Credits: 2**
- MUS 312 - Woodwind Pedagogy **Credits: 2**
- MUS 323 - Music in the Elementary School **Credits: 2**
- MUS 324 - Music in the Middle School **Credits: 2**
- MUS 429 - Instrumental Conducting **Credits: 2**
- MUS 470 - Orchestration and Arranging **Credits: 2**
Select two hours of Music Education electives from the following list:
- MUS 169 - Guitar Pedagogy **Credits: 1**
- MUS 313 - Band Instrument Repair **Credits: 1**
- MUS 314 - Jazz Pedagogy **Credits: 1**
- MUS 403 - Marching Band Techniques **Credits: 1, R4**
- MUS 411 - Advanced Vocal Pedagogy **Credits: 3**
- MUS 412 - Teaching in the Private Studio **Credits: 1**

General Electives

Additional general electives may be needed to meet the minimum 128 hours required for the B.M. Music Education degree.

Commercial Music and Audio Production Concentration (28 hours)

A minimum GPA of 2.75 is required for acceptance, continuation, and graduation in the Commercial Music and Audio Production concentration.

- MUS 150 - Fundamentals of Audio **Credits: 3**
- MUS 151 - Live Sound Reinforcement **Credits: 2**
- MUS 181 - Introduction to MIDI/Synthesis **Credits: 2**
- MUS 182 - Computer Music Notation **Credits: 2**
- MUS 281 - Introduction to Digital Audio **Credits: 2**
- MUS 320 - Songwriting Techniques & Analysis **Credits: 3**
- MUS 378 - Survey of the Music Industry **Credits: 3**
- MUS 379 - Introduction to Recording Arts **Credits: 2**
- MUS 470 - Orchestration and Arranging **Credits: 2**
- MUS 479 - Digital Audio Recording and Editing **Credits: 3**
- MUS 474 - Capstone **Credits: 1**
Select one of the following five courses:
- MUS 377 - Survey of Vocal Styles in Popular Music **Credits: 2**
- MUS 383 - Post-Production Audio for Film and Television **Credits: 3**
- MUS 426 - Jazz Arranging and Composing **Credits: 3**
- MUS 468 - Composing for Film and Video **Credits: 3**
- MUS 469 - Music in Motion Pictures **Credits: 3**

Commercial Music Electives (3 hours)

Choose three hours of courses not already used for the concentration (above):

- MUS 300 - Country Music: A Cultural and Stylistic History **Credits: 3**
- MUS 302 - History of Rock Music **Credits: 3**
- MUS 304 - Jazz Appreciation **Credits: 3**
- MUS 377 - Survey of Vocal Styles in Popular Music **Credits: 2**
- MUS 383 - Post-Production Audio for Film and Television **Credits: 3**
- MUS 426 - Jazz Arranging and Composing **Credits: 3**

- MUS 468 - Composing for Film and Video **Credits: 3**
- MUS 469 - Music in Motion Pictures **Credits: 3**
- MUS 483 - Practicum in Music **Credits: 1-3, R3**
- MUS 489 - Internship **Credits: 3, 6, or 9, R9**

Additional Performance Requirements (6 hours)

- MUS 307 - Applied Major **Credits: 2, R6**
(two semesters required)
- MUS 413 - Studies in Improvisation **Credits: 1, R4**
(two semesters required)

General Electives

Additional general electives may be needed to meet the minimum 120 hours required for the B.M. Commercial Music and Audio Production degree.

Performance Concentration: (25 hours)

A minimum GPA of 2.75 is required for acceptance, continuation, and graduation in the Performance concentration.

- MUS 283 - Music Technology Applications **Credits: 1**
- MUS 307 - Applied Major **Credits: 2, R6**
(two semesters required)
- MUS 405 - Senior Recital **Credits: 0**
- MUS 407 - Applied Major **Credits: 2, R6**
(two semesters required)
- MUS 375 - Ensemble **Credits: 1, R24**
(six semesters required)
- MUS 304 - Jazz Appreciation **Credits: 3**
- MUS 378 - Survey of the Music Industry **Credits: 3**
- MUS 470 - Orchestration and Arranging **Credits: 2**
Two additional semesters (two hours) of large ensemble that do not overlap with the six semesters required for the major (above), as approved by the major advisor.

Pedagogy, Literature, and Improvisation: (3 hours)

Select one hour of coursework or independent study in each of the following areas: 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**

Advanced studies in music: (6 hours)

Select one of the following four courses:

- MUS 300 - Country Music: A Cultural and Stylistic History **Credits: 3**
- MUS 302 - History of Rock Music **Credits: 3**
- MUS 420 - Studies in Music Literature **Credits: 3, R9**
- MUS 425 - 20th Century Music **Credits: 3**
Select three additional hours from the list above or from the list of courses in pedagogy, literature, and improvisation (above). Voice majors must substitute the following for these additional three hours:
- MUS 257 - Introduction to Commercial Voice **Credits: 1**
- MUS 258 - Diction for Singers I **Credits: 1**

Additional Requirements (6 hours)

The program also requires six hours of a foreign language.

General Electives

Additional general electives may be needed to meet the minimum 120 hours required for the BM Performance degree.

College of Health and Human Sciences

Office Information:

201 HHSB
(828) 227-7271

Website: <http://www.wcu.edu/learn/departments-schools-colleges/HHS/index.aspx>

Dr. Lori Anderson, Dean

Dr. C.Y. Wang, Associate Dean

Faculty and Staff Directory: <https://www.wcu.edu/learn/departments-schools-colleges/HHS/about-the-college-of-health-and-human-sciences/>

The College of Health and Human Sciences is comprised of five academic units. These include the School of Health Sciences, the School of Nursing, and the departments of Communication Sciences and Disorders, Physical Therapy, and Social Work.

College Mission Statement

The College of Health and Human Sciences serves students and communities through an active learning environment that uses inter-professional collaboration and scholarship to develop healthcare professionals skilled in patient-centered care, evidence-based practice, quality improvement, innovative technology, and community engagement. We value serving the people of Appalachia.

Introduction

Careers in health professions are among the fastest-growing sectors of the job market. There is a rising demand for healthcare professionals to meet the current and projected healthcare needs of a growing and increasingly diverse population.

Through its graduate and undergraduate educational programs, the College is committed to providing learning opportunities to students aspiring to careers in professions that serve the needs of our society. Services to disadvantaged segments of society most in need of care across age, cultural, and socioeconomic spectrums are central to the mission of the College's educational programs. To this end, the College is committed to fostering community-centered education and to training future professionals who are knowledgeable, competent, ethical, and caring, with a strong commitment to human service.

Special Expenses

Due to the nature of the clinical and laboratory-learning experiences required in some of the college's programs, students will encounter special expenses beyond those listed in the fees section of this catalog. Liability insurance, uniforms, transportation to internships/clinical sites, criminal background checks required by internship/clinical education facilities, software programs, and special texts and class materials are examples of what might be expected. Each program has different requirements, and students should discuss costs with the program director. Programs such as Athletic Training (ATTR), Emergency Medical Care (EMC), Environmental Health (ENVH), Nutrition and Dietetics (ND), and Recreational Therapy (RTH) require majors and pre-majors to have daily access to a laptop computer that meets the standard university networking and hardware configuration requirements.

Clinical Education and Criminal Background Checks

Many healthcare facilities as well as educational and social services agencies require criminal background and/or drug screening on students who participate in internship/clinical education rotations. Students who have a positive drug screen or records of any felony or misdemeanor convictions may be denied participation in internship/clinical education rotations. A conviction involving alcohol or drug use, possession or distribution offenses, violence-related offenses, or the abuse/neglect of children or disabled adults may be a significant obstacle to the successful completion of the academic program.

Students who are denied participation in internship/clinical education rotation based upon the results of criminal background or drug screens may be removed from the academic program; however, all students are first given the opportunity to appear before a review committee.

Undergraduate Programs and Majors

Majors in the College of Health and Human Sciences include: Communication Sciences and Disorders, Emergency Medical Care, Environmental Health, Integrated Health Sciences, Nutrition and Dietetics, Nursing, Recreational Therapy, and Social Work.

Graduate Programs

The College offers graduate programs in Athletic Training, Physical Therapy, Social Work, Speech Pathology, Health Sciences (with concentrations in emergency medical care, nutrition, and management), and Nursing, including Nurse Leadership, Nurse Educator and Doctor of Nurse Practice, Doctor of Nurse Practice-Family Nurse Practitioner, and Doctor of Nurse Practice-Nurse Anesthesia.

Culturally-Based Native Health, Certificate

Total number of hours for the program: 12.

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**

Nutrition and Dietetics, BS

Total number of hours for the program: 120.

Declaration of a major in Pre-Nutrition and Dietetics does not guarantee admission into the Nutrition and Dietetics (ND) program. Students must formally apply and be admitted to the program before beginning the professional sequence of courses in their junior year. In addition to the academic requirements below, students are expected to adhere to the technical and professional standards of the program. For the most up-to-date information regarding these standards, program progression, suspension, and termination refer to the Nutrition and Dietetics Student Handbook on the program website linked from the School of Health Sciences.

Minimum GPA Requirement: 2.80 overall, 3.00 in the pre-requisite courses

When do students apply? Completed applications must be received online in January of each year for admission to the ND program in the Fall of that year. Students typically apply to the program during the spring semester of their sophomore year. Further application information can be found on the program website.

Required Prerequisites: Admission to the professional sequence requires completion of ND 239 and ND 330 with a grade of at least a "B" (not a B-; B or B+) as well as the following science and math courses or their equivalent with a grade of at least a "C" (not a C-; C, or C+): CHEM 132, CHEM 133, BIOL 291, BIOL 292, BIOL 313, MATH 170, and PSY 150.

Retention in the Program: Students admitted to the program must maintain a 3.00 GPA in the major to remain in the program.

Verification Statement and Progression to the Registered Dietician (RD): The WCU's Nutrition and Dietetics program is also known as a didactic program in dietetics (DPD) and is fully accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). Program graduates will receive a verification statement and will be eligible to apply to take the Examination for Dietetic Technicians and/or apply to an ACEND-accredited dietetic internship program. Dietetic internships are competitive, and application does not guarantee acceptance. Upon successful completion of an internship, graduates will be eligible to take the Registration Examination for Registered Dietitian Nutritionists (RDN). More Information on the WCU Dietetic Internship can be found at <http://www.wcu.edu/academics/departments-schools-colleges/HHS/hhs-schools-depts/healthsci/health-sciences-majors/nd/dietetic-internship-di-program>.

Additional Information: Transfer students should contact the program director for further information.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

Nutrition and Dietetics Major Prerequisite Requirements (30 hours)

Note: Twelve hours of the prerequisites will also meet Liberal Studies requirements. Courses in Math, Biology, and Chemistry will meet C2 and C5 Liberal Studies requirements, and PSY 150 will partially fulfill the P1 requirement. Students are strongly urged to choose LS courses carefully to avoid taking additional courses for those requirements.

- BIOL 291 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 292 - Human Anatomy and Physiology II **Credits: 4**
- BIOL 313 - Microbiology in Health and Nutrition **Credits: 4**
- CHEM 132 - Survey of Chemistry I **Credits: 4**
- CHEM 133 - Survey of Chemistry II **Credits: 4**
- MATH 170 - Applied Statistics **Credits: 3**
- ND 239 - Dietetics as a Profession **Credits: 1**
- ND 330 - Human Nutritional Needs **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**

Note: *Twelve hours of Liberal Studies requirements will be met by competing these major prerequisite requirements.*

Nutrition and Dietetics Major Core Requirements (53 hours):

- ND 301 - Food Science Lab **Credits: 1**
- ND 303 - Quantity Food Production Lab **Credits: 1**
- ND 304 - Nutritional Assessment Lab **Credits: 1**
- ND 310 - Food, Nutrition, and Culture **Credits: 3**
- ND 325 - Research Methods in Nutrition **Credits: 3**
- ND 331 - Food Science **Credits: 3**
- ND 333 - Quantity Food Production **Credits: 2**
- ND 334 - Nutritional Assessment **Credits: 2**
- ND 335 - Nutrition Through the Life Cycle **Credits: 3**
- ND 350 - Advanced Human Nutrition I **Credits: 3**
- ND 351 - Advanced Human Nutrition II **Credits: 3**
- ND 406 - Nutrition Interviewing and Counseling Lab **Credits: 1**
- ND 420 - Community Nutrition I **Credits: 3**
- ND 422 - Community Nutrition II **Credits: 3**
- ND 432 - Institutional Food Service Management I **Credits: 3**
- ND 435 - Institutional Food Service Management II **Credits: 3**
- ND 436 - Nutrition Interviewing and Counseling Skills **Credits: 2**
- ND 439 - Introduction to Professional Practice **Credits: 1**
- ND 451 - Medical Nutrition Therapy I **Credits: 3**
- ND 452 - Medical Nutrition Therapy II **Credits: 3**
- ND 453 - Medical Nutrition Therapy Lab I **Credits: 1**
- ND 454 - Medical Nutrition Therapy II Lab **Credits: 1**
- ND 461 - Nutrition and Dietetics Capstone **Credits: 1**
- HSCC 311 - Systems and Trends in Health Care Delivery **Credits: 3**
- HSCC 330 - Legal and Legislative Aspects of Health Care **Credits: 3**

Recreational Therapy, BS

Total number of hours for the program: 120.

Declaration of a major in Recreational Therapy does not guarantee admission into the program. Students should begin as pre-majors (PREC), preferably in their freshman year. Students must formally apply and be admitted into the program before beginning the

professional sequence of courses and/or proceeding into clinical placements. Students are expected to adhere not only to the technical and professional standards of the program but to the academic requirements below. For the most up-to-date information regarding these standards, program suspension, and termination refer to the Recreational Therapy website at rt.wcu.edu.

Applying for Admission

Students are encouraged to apply for the major during the fall of their sophomore year. Admission to the Bachelor of Science degree requires the completion of the application for new majors. Please visit rt.wcu.edu for the latest application information.

Minimum GPA Requirement: 2.50

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 rt.wcu.edu to view the eight-semester curriculum guide.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Note: Six hours of the prerequisites will also meet Liberal Studies requirements. One course in Biology (BIOL 291) will partially meet C5 Liberal Studies requirements, and PSY 150 will partially fulfill the P1 requirement. Students are strongly urged to choose LS courses carefully to avoid taking additional courses for those requirements.

Major Requirements

- 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**
- PSY 150 - General Psychology **Credits: 3**
- PSY 470 - Abnormal Psychology **Credits: 3**
- RTH 200 - Foundations of Recreational Therapy **Credits: 3**
- RTH 252 - Client Assessment in Recreational Therapy **Credits: 3**
- RTH 340 - Recreational Therapy for Intellectual and Developmental Disabilities **Credits: 3**
- RTH 341 - Recreational Therapy for Intellectual Disabilities and Developmental Disabilities - Lab **Credits: 1**
- RTH 350 - Recreational Therapy and People with Physical Disabilities **Credits: 3**
- RTH 352 - Recreational Therapy Processes and Techniques **Credits: 3**
- RTH 353 - Recreational Therapy for People with Physical Disabilities - Lab **Credits: 1**
- RTH 360 - Recreational Therapy Services for Older Adults **Credits: 3**
- RTH 361 - Recreational Therapy for Older Adults - Lab **Credits: 1**
- RTH 380 - Research & Evaluation in Recreational Therapy **Credits: 3**
- RTH 395 - Recreational Therapy Professional Preparation Seminar I **Credits: 2**
- RTH 405 - Recreational Therapy in Behavioral Health **Credits: 3**
- RTH 406 - Recreational Therapy in Behavioral Health - Lab **Credits: 1**
- RTH 417 - Administration and Advancement of Recreation Therapy Services **Credits: 3**
- RTH 484 - Recreational Therapy Clinical Internship **Credits: 12**
- RTH 495 - Recreational Therapy Professional Preparation Seminar II **Credits: 2 Credits / Units: 3**
- RTH 496 - Research & Evaluation Presentation Seminar **Credits: 1**

Students should select one course from the following:

- HPE 235 - Motor Behavior **Credits: 3**
- HPE 223 - Applied Kinesiology I - Anatomy, Physiology & Biomechanics **Credits: 4**
- HPE 365 - Physical Activity and Aging **Credits: 3**

Students should select three courses from the following:

- RTH 301 - Modality Skill: Leisure Education **Credits: 1**
- RTH 302 - Modality Skill: Horticulture **Credits: 1**
- RTH 303 - Modality Skill: Community Integration **Credits: 1**
- RTH 304 - Modality Skills: Adventure-Based Recreational Therapy **Credits: 1**
- RTH 305 - Modality Skills: Creative and Expressive Arts **Credits: 1**
- RTH 306 - Modality Skills: HeartMath **Credits: 1**

Electives

General electives (3-10 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 few electives available. Lists of guided electives are available in advising sessions to help the student meet their individual needs. To meet another university requirement, students must take 25 percent of all courses at WCU and at the junior/senior level.

Nursing, BSN Degree/Basic Curriculum Option

Total number of hours for the program: 120.

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 a cumulative GPA (3.00) minimum on all previous undergraduate college work and test scores. In addition to the academic requirements below, students are expected to adhere to the technical and professional standards and safe practice policies of the program. For the most up-to-date information regarding these standards, refer to the Nursing program website.

Admission

Minimum GPA Requirement: 3.00. Admission is based on a cumulative GPA (3.00) minimum on all previous undergraduate college work and test scores. Students are expected to adhere to not only the academic requirements below but also the technical and professional standards and safe practice policies of the program. For the most up-to-date information regarding these standards, refer to the Nursing program website.

When do students apply? To be considered for admission, all students must have completed, or be in the process of completing, 60 semester hours of college work, including program requirements. Applications from non-RNs are accepted twice per year. Refer to the nursing website (nursing.wcu.edu) for applicant deadlines.

Required Prerequisites: To be considered for admission, all students must have completed, or be in the process of completing, 60 semester hours of college work, including program requirements.

Retention in the Program: Students must take and pass with a grade of C (2.00) or better all required courses in sequence and demonstrate professional and safe nursing practice. In addition, courses that combine selected content areas require the student to demonstrate competency in each content area by achieving a minimum exam score average of C (77%). For more information on retention policies in the nursing program, refer to the Nursing program website.

Pre-Licensure Nursing accelerated option (ABSN)

The accelerated option provides a fast track for students ready for a challenging transition to a career as a bachelor of science-educated registered nurse. The course requirements for the ABSN are the same as for the traditionally scheduled program, however, the content is taught in four contiguous semesters. The ABSN option is based at the Biltmore Park instructional site in Asheville. A holistic review process is utilized for selecting candidates for admission. Specific admission criteria is detailed on the nursing website.

Pre-licensure nursing accelerated option (ABSN) is only for persons who

- Already have a bachelor's (or higher) degree in another discipline from an accredited college or university
- Have completed the prerequisites for the nursing major as listed on the website.
- In addition to the academic requirements below, students are expected to adhere to the technical and professional standards and safe practice policies of the program

Minimum GPA Requirement: 3.00 cumulative GPA from all undergraduate institutions.

When do students apply? Applicants are accepted once a year. Refer to the nursing website (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 that combine selected content areas require the student to demonstrate competency in each content area by achieving a minimum exam score average of C (77%). For more information on retention policies in the nursing program, refer to the Nursing program website.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Note: Twelve hours of the Nursing Prerequisites below - three hours C2, six hours C5, and three hours P1 - will meet Liberal Studies requirements. The C2 and C4 requirements are met by taking the upper-level math and science courses listed. PSY 150 meets one of the P1 requirements, so students should make sure to take that class.

Nursing Major Prerequisite Requirements (24 hours)

Students should take all of the following:

- BIOL 291 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 292 - Human Anatomy and Physiology II **Credits: 4**
- ENVH 260 - Etiology of Infectious Diseases, Lecture **Credits: 2**
- ENVH 261 - Etiology of Infectious Diseases Laboratory **Credits: 1**
- MATH 170 - Applied Statistics **Credits: 3**
- NSG 346 - Pathophysiology for Nursing **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**

(or approved substitute)

Students should take one of the following:

- CHEM 132 - Survey of Chemistry I **Credits: 4**
- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- ND 330 - Human Nutritional Needs **Credits: 3**

Note: Twelve hours of Liberal Studies requirements - three hours C2, six hours C5, and three hours P1 - will be simultaneously met by nursing prerequisites.

Nursing Major Requirements (56 hours)

- NSG 310 - Foundations of Nursing **Credits: 4**
- NSG 311 - Foundations of Nursing Practicum **Credits: 3**
- NSG 312 - Nursing Assessment Through the Lifespan **Credits: 3**
- NSG 313 - Pharmacotherapeutics in Nursing **Credits: 2**
- NSG 315 - Nursing Ethics and Health Policy **Credits: 2**
- NSG 320 - Concepts of Adult Nursing **Credits: 4**
- NSG 321 - Adult Nursing Practicum **Credits: 4**
- NSG 323 - Pharmacotherapeutics in Nursing II **Credits: 2**
- NSG 324 - Evidence Based Nursing Practice **Credits: 2**
- NSG 326 - Emerging Trends in Nursing **Credits: 1**
- NSG 410 - Concepts of Adult Nursing II **Credits: 4**

- NSG 411 - Adult Nursing II Practicum **Credits: 4**
- NSG 412 - Concepts of Maternal/Child Nursing **Credits: 4**
- NSG 413 - Maternal/Child Nursing Practicum **Credits: 3**
- NSG 414 - Advanced Technology & Pharmacotherapeutics **Credits: 1**
- NSG 420 - Synthesis of Nursing Concepts **Credits: 2**
- NSG 421 - Synthesis of Nursing Practicum **Credits: 3**
- NSG 422 - Concepts of Community/Mental Health Nursing **Credits: 4**
- NSG 423 - Community/Mental Health Nursing Practicum **Credits: 3**
- NSG 424 - Concepts of Nursing Leadership in Management **Credits: 2**

Electives (6 hours)

General electives (six hours) are required to complete the program, depending on Liberal Studies courses chosen. Visit the department's website at

<https://www.wcu.edu/learn/departments-schools-colleges/HHS/nursing/index.aspx> to view the eight-semester curriculum guide.

Nursing, BSN Degree/RN to BSN

The total number of hours for the program: 120.

The **online** RN to BSN Program assists registered nurses (RNs) to add value to their basic education, broaden their perspective of current clinical practice, enhance their leadership potential, and prepare them for graduate study in nursing by earning a Bachelor of Science in Nursing.

The Bachelor of Science in Nursing enhances RN knowledge and competencies needed for the complex healthcare environment. Now, more than ever, nurses prepared at the baccalaureate and master's level are in great demand by healthcare employers. Our faculty are invested in nurturing students as they prepare for their roles as clinicians, educators, leaders, consumers of research, and responsible members of society. The School of Nursing is approved by the North Carolina Board of Nursing and accredited by the Commission on Collegiate Nursing Education.

RN to BSN Nursing Program

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

- A current, unrestricted license to practice as an RN within the United States
- A cumulative GPA of 2.50 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 the 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 2.50 overall in the major and earn a grade of C (2.00) 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 RN to BSN Nursing program website.
- See the Nursing program website for application deadlines.

The RN to BSN program is only for persons who

- Have a current, unrestricted license to practice as an RN within the US OR will have such a license before starting WCU NSG courses.
- Have completed WCU Liberal Studies requirements

- Have at least 60 semester hours not counting previous Nursing courses
- Desire the convenience of an online program.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 72 hours as follows:

Note: BIOL 313 - Microbiology in Health and Nutrition is an acceptable substitution for ENVH 260/261 requirement.

- BIOL 291 - Human Anatomy and Physiology I **Credits: 4**
 - BIOL 292 - Human Anatomy and Physiology II **Credits: 4**
 - ENVH 260 - Etiology of Infectious Diseases, Lecture **Credits: 2**
 - PSY 150 - General Psychology **Credits: 3**
- and*
- ENVH 261 - Etiology of Infectious Diseases Laboratory **Credits: 1**
(or approved substitute)
 - NSG 301 - Professional Transitions in Nursing **Credits: 3**
 - NSG 302 - Community Health Nursing I: Theory **Credits: 3**
 - NSG 305 - Community Health Nursing III: Intervention Project **Credits: 1**
 - NSG 374 - Community Health Nursing II: Practice Experience **Credits: 2**
 - NSG 398 - APA Writing Style and Format **Credits: 1**
 - NSG 399 - Clinical Update for RN's **Credits: 2**
Block credit by School of Nursing validation on successful completion of NSG 399, 30 hours.
 - NSG 460 - Nursing Leadership I: Theory **Credits: 3**
 - NSG 463 - Nursing Leadership III: Intervention Project **Credits: 1**
 - 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 474 - Nursing Leadership II: Practice Experience **Credits: 2**

Plus

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

Electives

General electives (6 hours) are required from WCU at the upper-division level to satisfy degree requirements.

RN to MS(N) early-entry option:

Purpose: To assist selected RNs with good academic records to move smoothly through the RN to BSN curriculum directly into MS(N) study for advanced nursing roles.

Normally, the student would take up to 8 semester hours of WCU undergraduate upper-division electives to complete the BSN. These electives could be replaced with up to 8 hours of WCU MS(N) graduate-level work, reducing the time needed to complete both degrees by one semester.

Students interested in this option should consult with both their RN to BSN advisor and the RN to MS(N) advisor.

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

- Admission to and enrollment in the WCU RN to BSN program.

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

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

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

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

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

Visit the department's website at rntobsn.wcu.edu to view the curriculum guide.

Communication Sciences and Disorders, Minor

Total number of hours for the program: 21.

Communication Sciences and Disorders, Minor

- CSD 270 - Introduction to Communication Disorders **Credits: 3**
- CSD 370 - Phonetics **Credits: 3**
- CSD 380 - Anatomy and Physiology of the Speech Mechanism **Credits: 3**
- CSD 301 - Speech and Language Development **Credits: 3**
- CSD 372 - Acoustics and Speech Science **Credits: 3**
- CSD 450 - Introduction to Audiology **Credits: 3**
- CSD 472 - Aural Rehabilitation **Credits: 3**

Environmental Health, Minor

Total number of hours for the program: 16.

A minor in environmental health requires 16 hours of Environmental Health courses. At least 6 hours must be at the junior/senior level. ENVH 190 is not a valid course for the minor.

Social Work, BSW

Total number of hours for the program: 120.

The undergraduate program offers a Bachelor of Social Work (BSW) degree as preparation for many careers from public service to work in the private sector. The undergraduate social work program is accredited by the Council on Social Work Education (CSWE), and its principal educational goal is to prepare students for beginning generalist social work practice.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Admission & Retention Information

Declaration of a major in social work does not guarantee admission to the program. Students are eligible to apply for admission when they have attained an overall 2.80 GPA, have completed 35 credit hours, and in addition, have completed SOCW 151, SOCW 251, and SOCW 253 (or be enrolled in SOCW 251 and SOCW 253). Students must maintain an overall 2.80 GPA each semester after admission to remain in the program. Students must complete an online application for admission to the program. Applications are accepted during October and February of each semester. The application and directions for the application process are located at the following link:

https://wcu.az1.qualtrics.com/jfe/form/SV_6x2w3lGY7FXBif

A student in the Social Work program must maintain an overall GPA of 2.80 and adhere to the professional and technical standards of the program. All social work required courses must have a grade of 'C' or above to earn credit for the course. Students must adhere to the university maximum grade replacement allowance however, a required course for the Social Work major may be not be taken for a grade replacement more than one time. Students who do not meet this policy will be removed from the program or not accepted into the program. For information on these standards and information regarding admission and termination from the program, refer to the department's website <https://www.wcu.edu/learn/departments-schools-colleges/HHS/socw/bsw/index.aspx>.

BSW Major Requirements

42 hours Liberal Studies + 67 hours Social Work Required Courses + 11 hours General Electives = 120 hours.

Social Work Curriculum: 67 hours

A grade of C (2.00) or better is required in the following courses:

- BIOL 104 - Human Biology **Credits: 3**
- PSC 101 - American Government and Politics **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOCW 151 - Introduction to Social Work **Credits: 3**
- SOCW 251 - Social Issues, Policy and Programs **Credits: 3**
- SOCW 253 - Practice I: Interviewing and Ethics **Credits: 3**
- SOCW 334 - Human Behavior and the Social Environment: Life Stages **Credits: 3**
- SOCW 335 - Social Work Research & Evaluation I **Credits: 3**
- SOCW 354 - Human Behavior and the Social Environment: Person-In-Environment **Credits: 3**
- SOCW 360 - Social Work Practice II: Case Management **Credits: 3**
- SOCW 362 - Practice III: Interventions **Credits: 3**
- SOCW 364 - Community Practice **Credits: 3**
- SOCW 396 - Field Preparation and Professional Development **Credits: 1**
- SOCW 402 - Diversity in Contemporary Society **Credits: 3**
- SOCW 435 - Social Work Research & Evaluation II **Credits: 3**
- SOCW 486 - Field Practicum & Seminar **Credits: 15**

Social Work Electives: 9 Hours

General Electives: (11-20 hours)

To complete 120 hours, students should take 11 or more hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 25 percent of their class hours at the junior/senior level at WCU.

The Social Work Program has been continuously accredited by the Council of Social Work Education (CSWE) since 1974.

Communication Sciences and Disorders, BS

Total number of hours for the program: 120.

The undergraduate program in Communication Sciences and Disorders is pre-professional and leads to a Bachelor of Science (B.S.) degree. The Program is designed to provide students with a sound scientific foundation that leads to employment in a variety of entry-level careers in health and human services or to graduate study in speech-language pathology, audiology, or related disciplines.

This is a pre-professional program. Licensure and certification by the State of North Carolina and the Council on Academic Accreditation of the American Speech-Language-Hearing Association require successful completion of a master's degree.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 42 hours, including all of the following:

- CSD 270 - Introduction to Communication Disorders **Credits: 3**
- CSD 272 - Professional Writing in CSD **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 464 - Diversity, Equity, Inclusion, and Justice in CSD **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 479 - The Clinical Process **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**

Concentration or a minor (18 hours)

Students may choose to take courses from the Related Professional Course (RPC - 18 hours) or complete a minor.

The Related Professional Courses must be 300- or 400- level classes and include a variety of classes from various programs. A specific list of approved courses is available on our website (csd.wcu.edu) or from our departmental office. Other courses may be approved by a student's CSD academic advisor.

Electives

General electives include 18 hours. To meet a university requirement, students should take 25 percent of total hours at WCU and at the 300-/400- level. Visit the department's website at commdis.wcu.edu to view the eight-semester curriculum guide.

Elective courses should be upper level (300- or higher) and are intended to allow a student to take additional courses in areas of their particular interests.

Emergency Medical Care, BS

Total number of hours for the program: 120.

Declaration of a major in Emergency Medical Care (EMC) does not guarantee admission into the EMC Program. Students must formally apply and be admitted into the EMC Program before beginning the professional sequence of courses and/or proceeding into clinical placements. Admission to the EMC Program is competitive. In addition to the academic requirements below, students are expected to adhere to the technical and professional standards of the EMC Program. For the most up-to-date information regarding these standards, program suspension, and termination refer to the EMC Program website linked from the School of Health Sciences.

When do students apply? Applicants must hold or be eligible for North Carolina Emergency Medical Technician certification and forward an application to the EMC Director by January 15 of each year for entry the following August.

Required Prerequisites: Complete a minimum of 60 semester hours including all liberal studies and pre-professional courses. Students must earn a C (2.00) or better in BIOL 291 and BIOL 292.

Minimum Program Entry GPA Requirement: 2.50

Program Retention and Graduation: Students admitted to the professional sequence must earn a grade of C (2.0) or better in each EMC course in the major and maintain an overall 2.00 GPA to remain in the EMC Program.

Additional Information: An accelerated curriculum available for associate degree paramedics normally allows completion of degree requirements in two years. Articulating and other transfer students holding current paramedic certification should contact the EMC Program Director about degree requirements and EMC Program admission. WCU's EMC Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park Street, Clearwater, Florida 33756 through the Committee on Accreditation of Educational Programs for the EMS Professions (CoAEMSP), 8301 Lakeview Parkway Suite 111-312, Rowlett, Texas 75088.

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 18 hours of pre-professional requirements (six hours of which also fulfill Liberal Studies requirements), 44 hours of major courses, and completion of a concentration. Students have at least 10 hours of General Elective hours to bring the total to 120 credit hours.

- EMC 240 - Introduction to Emergency Medical Care **Credits: 4**
(Course to be completed before the junior-year and is part of the pre-professional requirements.)
- EMC 241 - Basic Emergency Medical Techniques **Credits: 2**
(Course to be completed before the junior-year and is part of the pre-professional requirements.)
- EMC 320 - Introduction to Pharmacology **Credits: 3**
- EMC 321 - Pharmacology Techniques **Credits: 1**
- EMC 340 - Introduction to Clinical Medicine **Credits: 2**
- EMC 341 - Introduction to Clinical Medicine Lab **Credits: 1**
- EMC 350 - Cardiology **Credits: 2**
- EMC 351 - Basic ECG Interpretation **Credits: 1**
- EMC 352 - Cardiology Lab **Credits: 1**
- EMC 360 - Acute Fluid and Respiratory Disorders **Credits: 3**
- EMC 361 - Advanced Emergency Medical Techniques **Credits: 1**
- EMC 370 - Medical Emergencies **Credits: 3**
- EMC 381 - Clinical Practicum I **Credits: 1**
- EMC 382 - Clinical Practicum II **Credits: 1**
- EMC 410 - Trauma Management **Credits: 2**
- EMC 411 - Trauma Management Lab **Credits: 1**
- EMC 420 - Maternal and Child Emergency Care **Credits: 3**
- EMC 421 - Maternal and Child Emergency Care Lab **Credits: 1**
- EMC 430 - Special Needs Patients **Credits: 1**
- EMC 451 - Advanced ECG Interpretation **Credits: 1**
- EMC 452 - Critical Cardiac and Resuscitation Management **Credits: 1**
- EMC 461 - Simulation Laboratory **Credits: 1**
- EMC 483 - Clinical Practicum III **Credits: 3**
- EMC 485 - MICU Practicum **Credits: 4**

- EMC 496 - Senior Seminar in Emergency Medical Care **Credits: 2**
- HSCC 470 - Research Methods in Health Science **Credits: 3**
- BIOL 291 - Human Anatomy and Physiology I **Credits: 4**
(Course to be completed before the junior-year and is part of the pre-professional requirements. Must earn a C (2.0) or better.)
- BIOL 292 - Human Anatomy and Physiology II **Credits: 4**
(Course to be completed before the junior-year and is part of the pre-professional requirements. Must earn a C (2.0) or better.)
- CHEM 132 - Survey of Chemistry I **Credits: 4**
(Course to be completed before the junior-year and is part of the pre-professional requirements. For the Health Management Concentration.)
- CHEM 139 - General Chemistry I **Credits: 4**

Concentrations

Students can select either the Clinical Sciences Concentration or the Health Services Management Concentration.

Clinical Sciences Concentration (12 hours)

- CHEM 140 - General Chemistry II **Credits: 4**
(Select 8 hours from: BIOL 140, BIOL 141, CHEM 241, CHEM 242, MATH 153, PHYS 130, PHYS 131, EMC 462, EMC 463, EMC 472, EMC 473.)
- BIOL 140 - Principles of Biology I **Credits: 4**
- BIOL 141 - Principles of Biology II **Credits: 4**
- CHEM 241 - Organic Chemistry I **Credits: 4**
- CHEM 242 - Organic Chemistry II **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
- PHYS 130 - Introductory Physics I **Credits: 4**
- PHYS 131 - Introductory Physics II **Credits: 4**
- EMC 462 - Critical Care Paramedic I **Credits: 3**
- EMC 463 - Critical Care Paramedic II **Credits: 3**
- EMC 472 - Community Paramedicine I **Credits: 3**
- EMC 473 - Community Paramedicine II **Credits: 3**

Health Services Management Concentration (12 hours)

- EMC 445 - EMC Systems Management **Credits: 3**
- HSCC 311 - Systems and Trends in Health Care Delivery **Credits: 3**
(Select 6 hours from: HSCC 318, HSCC 330, HSCC 440, HSCC 450.)
- HSCC 318 - Department Administration **Credits: 3**
- HSCC 330 - Legal and Legislative Aspects of Health Care **Credits: 3**
- HSCC 440 - Quality Management in Health Care Agencies **Credits: 3**
- HSCC 450 - Financial Management in Health Care **Credits: 3**

General Electives (10 hours)

Note: The pre-professional requirements also meet C5 Liberal Studies requirements. Students must therefore take General Elective hours to meet the 120-hour requirements. To meet another university requirement, students must take 25 percent of all class hours at WCU and at the junior-senior level. Visit the department's website at: <https://www.wcu.edu/learn/departments-schools-colleges/HHS/healthsci/emc/index.aspx> to view the eight-semester curriculum guide.

Optional Courses

The following class is available to students, but it is not required for program completion:

- EMC 484 - Clinical Practicum IV **Credits: 1-3**

Environmental Health, BS

Total number of hours for the program: 120.

Declaring a major in Environmental Health does not guarantee admission into the program. Students must maintain an overall 2.00 GPA and earn a grade of C (2.00) or

above in each of the core environmental health courses to remain in the program. In addition, students are expected to adhere to the technical and professional standards of the program. For the most up-to-date information regarding these standards, program suspension and termination, refer to the Environmental Health Program website linked from the School of Health Sciences. The program is nationally accredited by the National Environmental Health Science and Protection Accreditation Council (EHAC).

Liberal Studies Hours (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 60 hours (Math C2 and Science and C5 requirements, and Core major classes) hours as follows:

- BIOL 313 - Microbiology in Health and Nutrition **Credits: 4**
- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- CHEM 241 - Organic Chemistry I **Credits: 4**
- ENVH 230 - Introduction to Environmental Health Science **Credits: 3**
- ENVH 310 - Water Quality Control **Credits: 3**
- ENVH 311 - Water Quality Control Laboratory **Credits: 1**
- ENVH 320 - Institutional and Residential Environments **Credits: 3**
- ENVH 330 - Food Protection and Sanitation **Credits: 3**
- ENVH 331 - Food Protection and Sanitation Laboratory **Credits: 1**
- ENVH 375 - Environmental Toxicology **Credits: 3**
- ENVH 395 - Environmental Health Pre-Internship Seminar **Credits: 1**
- ENVH 412 - Solid and Hazardous Materials Management **Credits: 3**
- ENVH 430 - Vector-Borne Disease Control **Credits: 3**
- ENVH 431 - Vector-Borne Disease Control Laboratory **Credits: 1**
- ENVH 440 - Air Quality Control **Credits: 3**
- ENVH 450 - Air Quality Control Lab **Credits: 1**
- ENVH 470 - Epidemiologic Methods for Environmental Health **Credits: 4**
- ENVH 483 - Environmental Health Internship **Credits: 2, R6**
- MATH 130 - Precalculus I **Credits: 3**
or MATH 146 or MATH 153
- MATH 170 - Applied Statistics **Credits: 3**
- PHYS 130 - Introductory Physics I **Credits: 4**
- BIOL 102 - Human Genetics **Credits: 3**
(or a higher-level Biology class)

One additional science course (at least three credit hours) approved by an advisor (for example, BIOL 140, PHYS 131, CHEM 242 or higher, GEOL 305 or 310 or another BIOL course; first-year seminars do not count for this requirement.

Note: *By taking MATH 130, BIOL 313, and CHEM 139, each four credit hours (12 total), students satisfy their nine credit hours of C2 and C5 Liberal Studies courses. The remaining three credit hours (after the nine LS credits are subtracted from the 12-hour total for those three classes) are applied to the Environmental Health credit-hour requirements.*

General Electives 18 hours

General electives (18 hours) are required to complete the program. To satisfy another WCU requirement, students should earn 25 percent of their total hours at WCU and at the junior/senior level.

Visit the department's website at envh.wcu.edu to view the eight-semester curriculum guide.

Nursing, BSN Regionally Increasing Baccalaureate Nurses (RIBN) Program

Total number of hours for the program: 120.

The RIBN program provides an accelerated option for Associate Degree Nursing students desiring a career as a bachelor-of-science educated registered nurse. Students will be dually enrolled at WCU and a community college partner throughout the first three years of the program and will be required to meet both schools' program and admissions requirements. Major prerequisites and nursing courses for the first three years of the program will be taken at the community college partner. Students will complete the Liberal Studies Program per WCU requirements. The remaining upper-level major nursing courses will be completed through the WCU School of Nursing.

Admission

Minimum GPA Requirement: 3.00 Students are admitted to the community college Associate Degree Nursing program. Students who meet RIBN criteria are referred to the WCU School of Nursing for admission. Admission is based on a minimum cumulative GPA of 3.00 on all previous undergraduate college work (or unweighted high school GPA if the student has completed less than 20 hours of college coursework) and applicable test scores. Students are expected to adhere to the technical and professional standards and safe practice policies of the program and also the academic requirements explained below. For the most up-to-date information regarding these standards, refer to the nursing website.

When do students apply? To be considered for admission, all students must have completed, or be in the process of completing, all admissions requirements (GPA and testing). Refer to the WCU RIBN nursing website noted below for application deadlines.

Required Prerequisites: Applicants must meet admission requirements for both the community college and university (such as Certified Nursing Assistant certification, etc.).

Retention in the Program: Students must take and pass with a grade of C (2.00) or better all required courses. In addition, courses that combine selected content areas require the student to demonstrate competency in each content area by achieving a minimum exam score average of C (77%). For more information on retention policies in the nursing program, refer to the nursing website at

<https://www.wcu.edu/learn/departments-schools-colleges/HHS/nursing/undergrad-programs/ribn/index.aspx>

Traditional RIBN Program:

The courses required for the major are the same for each affiliate community college, however, the sequence may vary somewhat.

First Year (Community College 28 semester hours, WCU 3 hours)

Summer Freshman Year,

WCU 3 hours upper-level credit - NSG 346 preferred, or Upper-level Elective or Upper-Level Perspectives course

Fall (14 hours)

Liberal Studies Perspectives course (3 hours)

Spring (14 hours)

- PSY 150 - General Psychology Credits: 3

Sophomore Year (Community College 39 Semester hours, WCU 3 hours)

Community College Courses (39 hours)

Fall (18 Community College Hours)

Liberal Studies Perspectives course (3 hours)

Spring (16 Community College Hours)

Liberal Studies Perspectives course (3 hours)

Summer (5 Community College Hours)

WCU Upper-Level Elective (3 Hours)

Junior Year (Community College 23 hours, WCU 3 hours)

Upper-level Perspectives course (WCU 3 hours)

Fall (13 Community College Hours, WCU 3 Hours)

Community College Courses (13 hours)

Spring (10 Community College Hours)

WCU Upper-level Perspectives course (3)

Summer Community College Courses

Senior Year (WCU 21 semester hours)

Fall (9 Hours)

- NSG 327 - Nursing in Healthcare Policy and Systems **Credits: 3**
- NSG 302 - Community Health Nursing I: Theory **Credits: 3**
- NSG 305 - Community Health Nursing III: Intervention Project **Credits: 1**
- NSG 374 - Community Health Nursing II: Practice Experience **Credits: 2**

Spring (12 Hours)

- NSG 328 - Nursing Leadership for Quality Healthcare **Credits: 3**
- NSG 331 - Perspectives of Nursing Care for Older Adults **Credits: 3**
- NSG 471 - Nursing Research I: Research Process **Credits: 2**
- NSG 472 - Nursing Research II: Critical Reading **Credits: 2**
- NSG 473 - Nursing Research III: Clinical Application **Credits: 2**

Refer to the nursing website for additional information ribn.wcu.edu

Alternate entry RIBN program (aRIBN)

First-year traditional RIBN curriculum is completed at the time of admission to the program. The applicant would be admitted to Year Two of the program to begin nursing courses at the partnering community college. The student would be dually enrolled through WCU to complete outstanding Liberal Studies courses during Years Two and Three of the program. The student would transition to the traditional Year Four curriculum as appropriate.

Inclusive/Innovative RIBN program (iRIBN)

The iRIBN applicant enters into the RIBN program at Year Two of the course of study at the community college with the previous completion of Liberal Studies per university requirements. The iRIBN student would begin nursing courses at the community college and should select one of the two following course work plans as listed below:

Option 1:

iRIBN Year 2

Fall

- NSG 327 - Nursing in Healthcare Policy and Systems **Credits: 3**

Community College Courses (10 hours)

Spring

- NSG 328 - Nursing Leadership for Quality Healthcare **Credits: 3**

Optional: Upper-level Perspective (if needed)

Community College Courses (10 hours)

Summer

Community College Courses (5 hours)

iRIBN Year 3

Fall

Upper-level Perspective (if needed)

Community College Courses (10 hours)

Spring

- NSG 331 - Perspectives of Nursing Care for Older Adults **Credits: 3**

Community College Courses (10 hours)

Summer

- Graduate from community college -Successfully complete NCLEX

iRIBN Year 4

Fall

- NSG 302 - Community Health Nursing I: Theory **Credits: 3**
- NSG 305 - Community Health Nursing III: Intervention Project **Credits: 1**
- NSG 374 - Community Health Nursing II: Practice Experience **Credits: 2**
- NSG 471 - Nursing Research I: Research Process **Credits: 2**
- NSG 472 - Nursing Research II: Critical Reading **Credits: 2**
- NSG 473 - Nursing Research III: Clinical Application **Credits: 2**

Option 2:

iRIBN Year 2

Fall

- NSG 327 - Nursing in Healthcare Policy and Systems **Credits: 3**

Community College Courses (10 hours)

Spring

- NSG 331 - Perspectives of Nursing Care for Older Adults **Credits: 3**
Optional: Upper-level Perspective (if needed)
- NSG 328 - Nursing Leadership for Quality Healthcare **Credits: 3**

Community College Courses (10 hours)

Summer

Community College Courses (5 hours)

iRIBN Year 3

Fall

Upper-level Perspective (if needed)

Community College Courses (10 hours)

Spring

- NSG 331 - Perspectives of Nursing Care for Older Adults **Credits: 3**

Community College Courses (10 hours)

Summer

- Graduate from community college - Successfully complete NCLEX

iRIBN Year 4

Fall

- NSG 302 - Community Health Nursing I: Theory **Credits: 3**
- NSG 305 - Community Health Nursing III: Intervention Project **Credits: 1**
- NSG 374 - Community Health Nursing II: Practice Experience **Credits: 2**
- NSG 471 - Nursing Research I: Research Process **Credits: 2**
- NSG 472 - Nursing Research II: Critical Reading **Credits: 2**
- NSG 473 - Nursing Research III: Clinical Application **Credits: 2**

Spring

Integrated Health Sciences, BS

Total number of hours for the program: 120.

This program is for freshman-level entry and transfer students who have a broad-based interest in the health field. There are three areas of concentration including health management, health and wellness, and a pre-professional for students seeking to earn post-baccalaureate professional or graduate degrees. Graduates will be prepared to fill various roles that support healthy living in businesses, community organizations, and numerous positions across the health care industry.

Degree Requirements

This is an entry-level program where students are able to enter the program upon admission. Students must maintain an overall GPA of 2.25 and receive a grade no less than a C for all courses in the major.

Liberal Studies (42 hours)

Students are strongly encouraged to consult closely with their advisor to choose to most appropriate Liberal Studies courses in order to progress through the degree efficiently.

C1. Writing (6 hours)

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

C2. Mathematics (3 hours) - *Students are recommended to take MATH 130; except students in the pre-professional concentration and interested in Exercise Science in graduate school may choose MATH 153 Calculus I in order to progress more efficiently.*

C3. Oral Communications (3 hours)

- COMM 201 - Foundations of Communication **Credits: 3**

C4. Wellness (3 hours) - *choose from the following*

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

C5. Physical and Biological Sciences (6 hours) - *Refer to concentration requirements to determine the best choices for science courses. It is recommended that students consult closely with their advisor in order to progress through the degree efficiently.*

The First-Year Seminar (3 hours)

P1. Social Sciences (6 hours) - *Students are free to choose from the approved list; however, the following are recommended:*

- ENVH 200 - Introduction to Public Health **Credits: 3**
- SOCW 354 - Human Behavior and the Social Environment: Person-In-Environment **Credits: 3**

P3. History (3 hours)

P4. Humanities (3 hours)

P5. Fine and Performing Arts (3 hours)

P6. World Cultures (3 hours) - *Students are free to choose from the approved list of courses; however, the follow are recommended:*

- ENVH 210 - Introduction to Global Health **Credits: 3**
- HSCC 205 - Women's Health **Credits: 3**
- HSCC 420 - Cultural Diversity for Health Care Practitioners **Credits: 3**

IHS Core Curriculum (45 hours)

The IHS major is composed of a 45 CH core curriculum then students complete at least 24 CH in an area of concentration.

- COMM 325 - Health Communication **Credits: 3**
- ECON 354 - Health Economics **Credits: 3**
- ENVH 200 - Introduction to Public Health **Credits: 3**
- HPE 350 - Current Health Problems **Credits: 3**

- HSCC 311 - Systems and Trends in Health Care Delivery **Credits: 3**
- HSCC 322 - Medical Terminology **Credits: 3**
- HSCC 330 - Legal and Legislative Aspects of Health Care **Credits: 3**
- HSCC 472 - Principles of Epidemiology **Credits: 3**
- HSCC 475 - Senior Capstone **Credits: 3**
- MATH 170 - Applied Statistics **Credits: 3**
- ND 330 - Human Nutritional Needs **Credits: 3**
- PAR 332 - Biomedical Ethics and Social Justice **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 456 - Medical Sociology **Credits: 3**
- SOCW 354 - Human Behavior and the Social Environment: Person-In-Environment **Credits: 3**

IHS Pre-Professional Concentration (24 hours)

Students in this concentration are required to take 8 credit hours of Anatomy and Physiology (BIOL 291 and BIOL 292) and then choose an additional 16 credit hours from the list of major/concentration electives (choice will depend on career direction - student should consider prerequisites needed for graduate or professional school and should consult closely with their advisor)

Required Courses

- BIOL 291 - Human Anatomy and Physiology I **Credits: 4**
- BIOL 292 - Human Anatomy and Physiology II **Credits: 4**
- **Major/Concentration Electives** - Choose at least 16 CH from the following:
- ATTR 210 - Clinical Anatomy & Biomechanics **Credits: 4**
- ATTR 265 - Clinical Physiology and Pathology **Credits: 4**
- ATTR 377 - Exercise Physiology **Credits: 4**
- *Or*
- HPE 370 - Exercise Physiology **Credits: 4**
- BIOL 140 - Principles of Biology I **Credits: 4**
- BIOL 141 - Principles of Biology II **Credits: 4**
- BIOL 240 - Introduction to Genetics **Credits: 4**
- BIOL 313 - Microbiology in Health and Nutrition **Credits: 4**
- BIOL 333 - Cell and Molecular Biology **Credits: 4**
- BIOL 361 - Principles of Biochemistry **Credits: 3**
- BIOL 412 - Cellular and Molecular Immunology **Credits: 3**
- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- CHEM 241 - Organic Chemistry I **Credits: 4**
- CHEM 242 - Organic Chemistry II **Credits: 4**
- ENVH 230 - Introduction to Environmental Health Science **Credits: 3**
- ENVH 260 - Etiology of Infectious Diseases, Lecture **Credits: 2**
- ENVH 261 - Etiology of Infectious Diseases Laboratory **Credits: 1**
- ENVH 270 - Biological Basis of Disease **Credits: 3**
- HPE 223 - Applied Kinesiology I - Anatomy, Physiology & Biomechanics **Credits: 4**
- HPE 225 - Applied Kinesiology II **Credits: 4**
- HPE 235 - Motor Behavior **Credits: 3**
- MATH 153 - Calculus I **Credits: 4**
- PHYS 130 - Introductory Physics I **Credits: 4**
- PHYS 131 - Introductory Physics II **Credits: 4**
- PSY 320 - Developmental Psychology I: Childhood **Credits: 3**
- PSY 322 - Developmental Psychology II: Adolescence **Credits: 3**
- PSY 325 - Developmental Psychology III: Adulthood **Credits: 3**

- PSY 470 - Abnormal Psychology **Credits: 3**

IHS Health and Wellness Concentration (24 hours)

Students in this concentration are required to take HPE 223 and HPE 225 or BIOL 291 and BIOL 292. Students then choose an additional 16 credit hours from the list of major/concentration electives (choice will depend on career direction - student should consider prerequisites needed for credentialing or certificates and should consult closely with their advisor).

Required Courses

- HPE 223 - Applied Kinesiology I - Anatomy, Physiology & Biomechanics **Credits: 4**
and
 - HPE 225 - Applied Kinesiology II **Credits: 4**
or
 - BIOL 291 - Human Anatomy and Physiology I **Credits: 4**
and
 - BIOL 292 - Human Anatomy and Physiology II **Credits: 4**
- Major/Concentration Electives:** *choose 16 CH from the following:*
- ENGL 315 - Proposal and Grant Writing **Credits: 3**
 - HPE 235 - Motor Behavior **Credits: 3**
 - HPE 256 - Physical Education Pedagogy **Credits: 3**
 - HPE 312 - Health Education Pedagogy **Credits: 3**
 - HPE 320 - Performance Testing and Prescription **Credits: 3**
 - HPE 325 - Pedagogy & Prevention of Risky Behaviors K-12 **Credits: 3**
 - HPE 355 - Fitness Concepts **Credits: 3**
 - HPE 358 - Healthy Living Concepts **Credits: 3**
 - HPE 360 - Sexual Health Throughout the Lifespan **Credits: 3**
 - HPE 365 - Physical Activity and Aging **Credits: 3**
 - HPE 375 - Psychological Aspects of Physical Activity **Credits: 3**
 - HPE 424 - Adapted Movement & Wellness **Credits: 3**
 - HSCC 205 - Women's Health **Credits: 3**
 - HSCC 420 - Cultural Diversity for Health Care Practitioners **Credits: 3**
 - PE 315 - Theory & Practice of Strength & Conditioning for Coaches **Credits: 2**
 - PRM 270 - Leadership and Group Dynamics in Recreation **Credits: 3**

IHS Health Management Concentration (24 hours)

Students are required to complete the following 8 courses.

- ACCT 251 - Financial Accounting - A User Perspective **Credits: 3**
- FIN 305 - Financial Management **Credits: 3**
- HSCC 440 - Quality Management in Health Care Agencies **Credits: 3**
- MGT 300 - Introduction to Management **Credits: 3**
- MGT 306 - Behavioral Science in Organizations **Credits: 3**
- MGT 366 - Applied Management Skills **Credits: 3**
- MGT 367 - Introduction to Project Management in Practice **Credits: 3**
- MKT 201 - Principles of Marketing **Credits: 3**

NOTE: Students with majors outside of 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.

Electives (9 hours)

Students are free to select electives of their choosing to fulfill 120 credit hours for the degree; however, it is strongly recommended that they consult with their advisor to ensure timely and efficient progression through the degree. Some students may want to use electives to satisfy course work needed for post-baccalaureate studies.

Brinson Honors College

Office Information

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Website: honors.wcu.edu

Jill Nelson Granger, PhD, Dean

Lori Oxford, PhD, Associate Dean

Emily Sharpe, MA, Director of Honors Advising and Honors Pre-Professional Advising

Colin Townsend, MA, Honors Advisor

Greta Kleberg, BS, Executive Assistant

The Honors College serves approximately 1,300 students and manages programs that are open to all undergraduates at Western Carolina University. The Honors College is a student-centered enterprise that enhances the educational experience for high-achieving students, encourages innovative teaching, learning, and curriculum development; serves students and faculty across all disciplines, and encourages and supports undergraduate research, service, and internship. Of special emphasis is The Honors Path, an educational framework designed to help Honors students make the most of their abilities.

Honors College Benefits. Honors students are invited to live in Balsam or Blue Ridge Halls. Honors students also benefit from a special diploma (see "Honors College Diploma" below), priority registration, access to Honors courses, and special library privileges. Events planned by The Honors College Student Board of Directors are open to all Western Carolina University students.

Admission for First-Year Students. To be considered for The Honors College, incoming first-year students must have a high school record that meets at least one of these standards:

- High School weighted GPA of 4.2 minimum,
- High School unweighted GPA of 3.8 minimum,
- 30 ACT or SAT score of 1370 minimum, OR
- High School class rank in the top 10 percent.

In addition, first-year students who achieve a 3.50 GPA or above on at least 15 credit hours in the first semester at Western Carolina University may apply to join The Honors College. After the first semester, students who have at least a cumulative 3.5 GPA are welcome to meet with the Dean to be considered for admission on a case-by-case basis.

Admission for Transfer Students. Transfer students who have a cumulative 3.5 GPA from an accredited college or university are encouraged to apply for admission to The Honors College.

To Remain in The College. Honors students must maintain a 3.30 cumulative GPA at 1 to 30 credit hours and, a 3.40 cumulative GPA at 31 to 60 hours, and they must have a 3.50 cumulative GPA above 60 hours until graduation while typically carrying at least 15 credit hours per semester. Until completing the required Honors hours for the Honors diploma, Honors students must earn at least three (3) hours of Honors credit each semester. Students lacking at least three (3) Honors hours will be put on probation after the first term, and then removed from The Honors College if at least three (3) Honors

hours are not completed by the end of the subsequent term. Students who intend to carry fewer than 15 credit hours in a given semester should petition The Honors College for approval. A student who is dropped from The Honors College may be reinstated if the cumulative GPA is brought up to an acceptable level. Students dropped from The Honors College due to a lack of Honors hours per term must petition to be reinstated.

Advising. Honors students who have not yet declared a major or are changing majors are advised by an Honors advisor. Honors students who have declared a major are advised by a faculty member in the major department. For questions related to The Honors College or its programs, students are welcome to meet with an Honors advisor or the Dean.

Earning Honors College Credits. Honors students do not take extra hours to earn the Honors diploma; they do enroll in special Honors classes, usually in the Liberal Studies Program, to earn the hours needed for the Honors diploma. At the major level, Honors students may arrange for an Honors contract with the instructor of the course to earn Honors credit. Contracts are submitted online via the Honors Contract portal, which is accessed through MyWCU. 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 study abroad may earn Honors hours by arranging a special Honors contract with the Dean before they travel.

The Honors College Diploma. The Honors 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 students must have at least a 3.50 cumulative GPA upon graduation **and** must complete one of these two tracks to receive the Honors diploma: (a) 27 Honors hours or (b) 24 Honors hours and successful completion of Degree Plus level 3 (in any skill area). Graduation from The Honors College will be designated on the transcript. Honors graduates wear the bronze Honors College medallion at graduation.

Honors College Interdisciplinary Studies Degree. Since 2004, Honors students have had the option to get expedited approval for Interdisciplinary Studies degrees. Interdisciplinary Studies Honors students may complete Honors requirements and graduate with The Honors College diploma.

To gain approval for an Interdisciplinary Studies degree, the Honors student must do all of the following:

1. Begin the process by consulting with the Honors Dean to identify a primary advisor.
2. Work with the primary advisor to create an Interdisciplinary Studies degree proposal, which will include the completed *Interdisciplinary Studies Program Form for Honors Students* with all required signatures; a list of all courses needed to reach 120-128 total hours for the degree (including Liberal Studies); and a one-page statement from the student that explains how the proposed Interdisciplinary Studies degree will meet that student's-post-graduate professional plans (career or graduate school).
3. Follow the plan and all courses required, once the Interdisciplinary Studies degree is approved, to graduate.

Pre-Professional Programs. Honors College students can avail themselves of special advising to prepare for professional programs such as Pre-Medicine, Pre-Pharmacy, Pre-Law, Pre-Veterinary Medicine, Pre-Physical Therapy, Pre-Dental, Pre-Optometry, Pre-Physician's Assistant, Pre-Occupational Therapy, Pre-Chiropractic.

Honors students who attend the University to prepare for admission into a professional school are provided with a variety of options for the programs they may pursue. Students should make decisions early in their undergraduate career regarding preparation for professional school. Most professional school programs, with some exceptions, now

require a bachelor's degree for admission. To make wise decisions regarding undergraduate prerequisite courses and selecting an undergraduate major, Honors students should contact a professional advisor in The Honors College and indicate they are interested in a Pre-Professional Program. They can call (828) 227-7383, email easharpe@wcu.edu, come by The Honors College offices in Balsam Hall, or visit *The Honors College Pre-Professional Program webpage*.

Undergraduate Research. The Honors College works with other units in Academic Affairs to coordinate the annual campus-wide showcase of student and faculty research, The Research and Scholarship Celebration, and to support student research presentations at the National Conference for Undergraduate Research. Honors students also work with a member of the English faculty to write, design, and publish WCU's undergraduate research magazine, *Imagine*. Please contact the Associate Dean for more information about these programs at (828) 227-7383 or check *The Honors College Undergraduate Research webpage*.

Center for Life Enrichment (CLE) Honors Scholar Program. Begun in the fall of 2013, this program is designed for exceptional students who are interested in preparation and sponsorship for prestigious national or international scholarships (for example, the Fulbright, Goldwater, Truman, or Rhodes). Honors Scholars wear the special silver medallion at graduation.

Honors Scholar: Admission and Scholarship.

All students admitted to the Honors Scholar Program will receive, each year for up to four years, a substantial merit scholarship. *To retain and renew the scholarship each year, students must remain in good standing in the Honors Scholar Program.* Only students admitted to WCU's Honors College will be considered for the Honors Scholar Program.

Honors Scholars can only be admitted as first-year students to WCU. The program should not exceed 40 students in any given year and is therefore highly selective, typically admitting only 10 new students each year.

To be considered for admission, Honors Scholars must meet at least one of the following criteria (meeting all criteria will be the most likely profile for students admitted to the program):

1. Minimum 3.90 unweighted cumulative High School GPA.
2. If there is a weighted cumulative High School GPA, it must be at least 4.50.
3. At least a 30 composite ACT score or 1370 SAT score.
4. High school class rank in the top 10%.

As part of the admissions process, students must also complete a successful interview. Prospective Honors Scholars must be invited for an interview.

Good Standing in the Honors Scholar Program.

Honors Scholars must maintain all of the following:

- A 3.50 cumulative WCU GPA at the end of the first chronological year,
- A 3.60 cumulative WCU GPA at the end of the second chronological year,
- A 3.70 cumulative WCU GPA in the third and fourth chronological years.

Beginning for the class entering in the fall of 2016, Honors Scholars must also complete both of the following:

- USI 101 (Honors Forum), a one-hour course section specifically for the Honors Scholars; and
- A specially designated three-hour English course to prepare students to apply for prestigious scholarships, fellowships, and graduate schools.

Special Programming for Honors Scholars

The CLE Honors Scholar Program Endowment Fund provides support for special opportunities that will help Honors Scholars attain prestigious awards and graduate school admission (support for study abroad, undergraduate research support, or special internships, for example).

The fund was established by the Center for Life Enrichment of Highlands, NC. CLE is a non-profit organization dedicated to enriching the educational experience of western North Carolina, with an emphasis in Highlands, Cashiers, and Cullowhee.

The Graduate School

Dr. Jeff Lawson, Dean

Dr. Joy Bowers-Campbell, 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**](http://grad.wcu.edu).

Course Descriptions

Accounting

ACCT 195 - Introduction to Fraud Examination

Overview of occupational fraud, including fraud theory, prevention, detection, and investigation. Emphasis on personal ethics, individual responsibility, and societal effects: past, present, and future. **Credits:** 3

ACCT 251 - Financial Accounting - A User Perspective

Financial accounting presented from a user perspective with a focus on decision-making. Reading and comprehending an annual report. **Credits:** 3

ACCT 252 - Using Accounting Information for Management Decisions

Use of accounting information to manage, measure, and improve the performance of a company, and to make decisions about future operations. **Prerequisites:** ACCT 251. **Credits:** 3

ACCT 260 - Professionalism in Accounting

Overview of the accounting profession, including specializations, certifications, and career tracks. Focus on professionalism and business etiquette, including resume building, interviewing, networking, communication skills, and social media presence. **Prerequisites:** ACCT 251. **Credits:** 1

ACCT 265 - Accounting Information Systems

Accounting information systems with an emphasis on business processes, transaction initiation and recording, and internal controls. Relevant technology will also be covered. **Prerequisites:** A grade of C or better in ACCT 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. Cross-listed with FIN 301. **Prerequisites:** ACCT 351. **Credits:** 3

ACCT 330 - Fraud Examination

Overview of occupational fraud, including fraud theory, prevention, and investigation. Emphasis on fraudulent financial reporting. **Prerequisites:** ACCT 351. **Credits:** 3

ACCT 351 - Intermediate Accounting I

Accounting theory in financial statements, valuation and present value concepts, and current assets. **Prerequisites:** A grade of C or better in ACCT 251. **Credits:** 3

ACCT 352 - Intermediate Accounting II

Theory applied to investments, current and long-term liabilities, leases, income taxes, pensions, and shareholders' equity. **Prerequisites:** A grade of C or better in ACCT 351. **Credits:** 3

ACCT 355 - Introduction to Income Taxation

Federal income taxation of individuals and sole proprietors, gross-income inclusions and exclusions, business and employee deductions, property transactions, capital gains and losses, and cost recovery. **Prerequisites:** ACCT 251. **Credits:** 3

ACCT 356 - Cost Accounting

Budgeting, systems design, responsibility accounting and motivation, standard costing, variance analysis, cost behavior patterns, relevant costs, contribution analysis, and income effects of costing alternatives. **Prerequisites:** ACCT 252. **Credits:** 3

ACCT 361 - Not-For-Profit Accounting

Accounting principles as applied to governmental agencies and other nonprofit organizations. **Prerequisites:** ACCT 252. **Credits:** 3

ACCT 389 - Cooperative Education in Accounting

See Cooperative Education Program. **Credits:** 1 or 3, R15

ACCT 454 - Auditing

Theory, practice, and procedures in auditing; standards, professional ethics, and internal controls. **Prerequisites:** ACCT 351. **Credits:** 3

ACCT 480 - Independent Research in Accounting

Independent Research in Accounting.
Prerequisites: Accounting major and permission of department head. **Credits:** 3

ACCT 483 - Accounting Internship

A full-time work situation providing in-depth experience in accounting practices. S/U grading. **Prerequisites:** Junior Standing, formal application, and permission of accounting internship coordinator. **Credits:** 1-3, R6

ACCT 484 - Accounting Internship

A full-time work situation providing in-depth experience in accounting practices. S/U grading. **Prerequisites:** Junior Standing, formal application, and permission of accounting internship coordinator. **Credits:** 1-3

ACCT 485 - Accounting Internship

A full-time work situation providing in-depth experience in accounting practices. S/U grading. **Prerequisites:** Junior Standing, formal application, and permission of accounting internship coordinator. **Credits:** 1-3

ACCT 493 - Topics in Accounting

Topics in Accounting. **Prerequisites:** Permission of department head. **Credits:** 1-3, R6

ACCT 495 - Senior Seminar

Contemporary issues facing accountants in managerial decision-making responsibilities. Comprehensive evaluation of information used for decisions with strategic implications for the company. **Prerequisites:** ACCT 352 and Senior Standing. **Credits:** 3

Anthropology

ANTH 110 - Introduction to Archaeology

This class serves as an introduction to archaeology and focuses on the material evidence of human behavior including artifacts of ancient hominin, modifications to landscapes, and a range of material culture generated by diverse human groups including the **Credits:** 3

ANTH 115 - Introduction to Biological Anthropology

This course serves as an introduction to biological anthropology, which focuses on the understanding of evolution and biocultural variation resulting in human biological diversity both contemporary and

throughout time (Liberal Studies P1). **Credits:** 3

ANTH 120 - Introduction to Cultural Anthropology

Human cultures through time and around the world. Includes attention to linguistic anthropology (Liberal Studies P6). **Credits:** 3

ANTH 190 - Anthropology, Hoaxes, and Pseudoscience

This course is a survey of anthropology that uses a critical-thinking approach for debunking popular-cultural hoaxes and pseudoscientific conspiracy theories. **Credits:** 3

ANTH 251 - Introduction to Forensic Anthropology

This course serves as an introduction to the discipline of forensic anthropology, or the application of anthropology within a medicolegal context. As such, it will focus on basic approaches to forensic anthropological field and laboratory, primarily focus **Credits:** 3

ANTH 300 - Human Osteology

This course is an intensive examination of the entire human skeleton. Students are expected to learn how to identify and side complete and fragmentary bones using bony morphology, features, and landmarks. **Credits:** 3

ANTH 320 - Experimental Archaeology

Hands-on experiential learning course in which students design, conduct, and assess the outcomes of experiments that explore aspects of archaeological data and past human behavior and technology. **Prerequisites:** ANTH 110. **Credits:** 3

ANTH 327 - Economic Anthropology

Commercial economic systems compared to non-Western and Indigenous gift-economies and other approaches to economic relationships. **Prerequisites:** ANTH 120. **Credits:** 3

ANTH 333 - Medicolegal Death Investigation

This surveys the various disciplines involved in medicolegal death investigation as well as the death investigation process itself, primarily from the role of a medicolegal death investigator (MLI). **Prerequisites:** ANTH 251. **Credits:** 3

ANTH 341 - History of Anthropological Theory

Concepts, theories, and schools of thought in historical context; contributions to contemporary anthropology. **Prerequisites:** Completed 45 hours. **Credits:** 3

ANTH 344 - Forensic Archaeology

This course prepares students to apply archaeological method and theory within the context of forensic science. This course will cover the various systematic approaches to the search and recovery of human remains undertaken by forensic anthropologists and **Prerequisites:** ANTH 110 and ANTH 115. **Credits:** 3

ANTH 349 - Engaged Anthropology

A history of the application of anthropological knowledge to human problems, with focus on engagement with a socially-just, decolonized, and environmentally sustainable anthropology. **Prerequisites:** ANTH 120. **Credits:** 3

ANTH 350 - Linguistic Anthropology

Overview of the subdiscipline focusing on descriptive linguistics, historical linguistics, language and culture, and sociolinguistics. **Prerequisites:** ANTH 120. **Credits:** 3

ANTH 351 - Environmental Anthropology

Environmental anthropology is the study of human-environment relationships in all times and all places. This course will examine human ecological relationships in selected world areas. **Prerequisites:** ANTH 110 or ANTH 120. **Credits:** 3

ANTH 361 - World Archaeology

Examination of the archaeological record in selected world areas; topics include the study of human evolution and comparison of the material record of ancient states. **Credits:** 3

ANTH 362 - Southeastern Archaeology

Archaeological sites and materials provide primary evidence for discussing the Native peoples of what is now the Southeastern United States. Interpretations of Native cultures will be critiqued. **Prerequisites:** ANTH 110. **Credits:** 3

ANTH 363 - Evolutionary Anthropology

This course examines the evolutionary history of humans providing a detailed overview of human changes in biology and behavior over the last seven million years,

ranging from the earliest hominins to the emergence of modern humans and their expansion across the globe. **Credits:** 3

ANTH 365 - Religion, Magic, Myth

Religious tradition and ritual behavior; life-crisis rituals, secret societies, magic and witchcraft, notions of divinity. **Prerequisites:** ANTH 120. **Credits:** 3

ANTH 368 - Bioarchaeology

This course will explore the discipline of bioarchaeology, or the examination of human skeletons from archaeological contexts. This class will focus on current theoretical and methodological approaches to the examination of stress, disease, trauma, subsistence. **Prerequisites:** ANTH 110 or ANTH 115. **Credits:** 3

ANTH 370 - Human Biological Variation

This course will examine the biological variation in modern humans. It focuses on genetic, anatomical, and physiological differences both within and between populations arising from random and/or adaptive evolutionary processes. **Prerequisites:** ANTH 115. **Credits:** 3

ANTH 373 - Anthropological Research Methods

This course is meant to serve as an introduction to reading and performing anthropological research. This course will discuss statistics, the scientific method, ethical research design, professional writing, and dissemination of research. **Prerequisites:** ANTH 110, ANTH 115, and ANTH 120. **Credits:** 3

ANTH 379 - Cherokee Arts

Present-day Cherokee skills of woodcarving, basketry, pottery making, and other parts of Cherokee culture and society. This course is cross-listed with ART 379. 1 Lecture, 5 Lab. **Credits:** 3

ANTH 380 - Ethnographic Research Methods

Theory and method; techniques of observation, description, interviewing, note taking, and analyzing data; planning and completing a field study. This course is cross-listed with SOC 380. **Prerequisites:** ANTH 120 or SOC 103. **Credits:** 3

ANTH 400 - Forensic Anthropology Method and Theory

This course focuses on the theoretical concepts and methodological applications used in routine forensic anthropological analysis **Prerequisites:** ANTH 251 and ANTH 300. **Credits:** 3

ANTH 401 - Skeletal Trauma Analysis

This course covers skeletal trauma analysis as it relates to the reconstruction of the death event. Course topics include bone biomechanics, bone fracture morphology, tool-mark analysis, and the interpretation of skeletal trauma to contribute to determination **Prerequisites:** ANTH 251 and ANTH 300. **Credits:** 3

ANTH 403 - Taphonomy

This course explores the use of taphonomy in forensic anthropology. This course primarily focuses on estimation of the postmortem interval through the observation of soft tissue decomposition, as well as the examination of taphonomic modifications of the **Prerequisites:** ANTH 251 and ANTH 300. **Credits:** 3

ANTH 405 - Archaeology of Death

Archaeological study of past funerary practices to understand how archaeologists have interpreted them and why burials were performed the way they were.

Prerequisites: ANTH 110 and ANTH 120. **Credits:** 3

ANTH 409 - Paleopathology

Paleopathology is the study of diseases and related conditions in ancient remains. This course will teach students the processes of examining diagnosing pathological conditions on skeletal remains as well as the importance of understanding the cultural an **Prerequisites:** ANTH 115. **Credits:** 3

ANTH 417 - Giduwagi-Appalachia Historical Ecology

This course will examine human-environmental relationships from 14,000 years on in the southern Appalachia bioregion that is called 'Giduwagi' by some traditionalist Cherokee people-'soil that was placed here by a higher power.' Numerous cultural traditio **Prerequisites:** ANTH 120. **Credits:** 3

ANTH 419 - Families and Households

Comparative concepts of personhood, marriage, childhood, and cultural metaphors of embodied connection. Social

organization of households through time.

Prerequisites: ANTH 120. **Credits:** 3

ANTH 421 - Cherokee Archaeology

Explores the archaeology and indigenous cultural history of the southern Appalachian region, with a particular focus on the Cherokee Indian experience. Emphasizes the roles of indigenous archaeologies and collaboration with descendant communities in scie **Prerequisites:** ANTH 110 and Junior or Senior Standing, or permission of instructor. **Credits:** 3

ANTH 431 - North American Archaeology

Explores the archaeological record of ancient North America, including Mexico.

Prerequisites: ANTH 110. **Credits:** 3

ANTH 432 - Bioanthropology of Race

Race among humans is a socially constructed label with a biosocial history and biosocial implications. Marginalization of peoples has and continues to occur based on race with the assumption that race can be biologically defined. Despite the wide-reaching **Credits:** 3

ANTH 440 - Archaeological Field Techniques

Basics of field work; surveying, photography, excavation, recording, and preservation techniques. **Prerequisites:** ANTH 110 and permission of instructor. **Credits:** 6

ANTH 441 - Archaeological Problems and Analyses

Experience in collecting and analyzing relevant archaeological data. **Prerequisites:** ANTH 110. **Credits:** 3

ANTH 442 - Archaeology of Landscape

An introduction to archaeological approaches to recognizing, recording, and interpreting the human-environment interaction and the study of landscapes as part of the archaeological record. May include both case studies and field studies.

Prerequisites: Completed 45 hours. **Credits:** 3

ANTH 450 - Endangered Languages and Language Revitalization

This course provides an overview of the causes of language loss and attempts to revitalize indigenous languages in danger of no longer being spoken. Students will develop a broad knowledge of the issues

that confront minority language communities, particu **Prerequisites:** Completed 45 hours. **Credits:** 3

ANTH 461 - Indigenous Cultures of North America

Anthropological study of the indigenous cultures of North America. **Prerequisites:** ANTH 120. **Credits:** 3

ANTH 465 - Cultures of Latin America

Cultural and historical perspectives on the political relations, social structures, and religions of the indigenous peoples of the region. **Prerequisites:** ANTH 120. **Credits:** 3

ANTH 466 - Folklore

Major forms, theories, and functions of lore among the world's cultures; collection, classification, and analysis of folklore. **Prerequisites:** ANTH 120. **Credits:** 3

ANTH 473 - Contemporary Cherokee Culture and Society

Explores contemporary Cherokee culture and society from an anthropological perspective. **Prerequisites:** Completed 45 hours. **Credits:** 3

ANTH 481 - Independent Study in Anthropology

Independent Study in Anthropology **Prerequisites:** Written application and permission of instructor and advisor. **Credits:** 1-3, R6

ANTH 483 - Anthropology Internship

Application of academic training in an approved agency under faculty supervision. Credit toward anthropology major or minor limited to three hours. S/U grading. Nine hours per week per course. **Credits:** 3

ANTH 484 - Anthropology Internship

Application of academic training in an approved agency under faculty supervision. Credit toward anthropology major or minor limited to three hours. S/U grading. Nine hours per week per course. **Credits:** 3

ANTH 485 - Anthropology Internship

Application of academic training in an approved agency under faculty supervision. Credit toward anthropology major or minor limited to three hours. S/U grading. Nine hours per week per course. **Credits:** 3

ANTH 486 - Field Methods in Forensic Archaeology

This is an intensive outdoor course meant to provide experiential learning of forensic archaeological field methods. Forensic archaeological field methods include systematic searches for human remains and associated evidence, as well as meticulous recover **Prerequisites:** ANTH 251 and ANTH 300. **Credits:** 6

ANTH 493 - Topics in Anthropology

Topics in Anthropology. **Prerequisites:** Permission of instructor. **Credits:** 3, R6 **Art**

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 (Liberal Studies P5). **Credits:** 3

ART 131 - Introductory Drawing

Foundation course emphasizing mark making as a way of seeing and organizing ideas, using both perceptual and conceptual approaches. Exit portfolio required. 6 Studio. **Credits:** 3

ART 132 - Two-Dimensional Design

Foundation course developing creative 2-D visual thinking and problem solving with connections to theory, criticism, and practice. Exit portfolio required. 6 Studio. **Credits:** 3

ART 136 - Art History Survey I

Ancient, medieval, and non-European art. **Credits:** 3

ART 137 - Art History Survey II

Western art, Renaissance through modern. **Credits:** 3

ART 142 - Three-Dimensional Design

Foundation course focusing on traditional and experimental 3-D techniques and media, using theory and criticism as problem-solving approaches. Exit portfolio required. 6 Studio. **Credits:** 3

ART 231 - Life Drawing

Drawing from observation, with an emphasis on the human figure, working with live models. 6 Studio. **Prerequisites:** ART 131. **Credits:** 3

ART 233 - Introductory Painting

Emphasis on color theory and the materials and techniques of painting. Historical concerns are integral parts of directed and individual investigations. 6 Studio.

Prerequisites: ART 131 and ART 132, or permission of instructor. **Credits:** 3

ART 234 - Introductory Printmaking

Materials and methods of various printmaking techniques as they relate to historical and contemporary issues. 6 Studio. **Prerequisites:** ART 131 and ART 132, or permission of instructor. **Credits:** 3

ART 241 - Introductory Sculpture

Principles and processes of sculpture, supported by critical thinking, class critique, historical, and contemporary references. 6 Studio. **Prerequisites:** ART 131 and ART 142, or permission of instructor. **Credits:** 3

ART 251 - Introductory Ceramics

Basic principles of ceramics: technical, critical, and historical. 6 Studio. **Credits:** 3

ART 270 - Communication Design

Principles of visual communications including structure, typography, color, and semantics; emphasis on developing an understanding of the scope of graphic design including theory, practice, and technology. 6 Studio. **Prerequisites:** A grade of C or better in ART 132, or permission of instructor. **Credits:** 3

ART 272 - 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 273 - Intro to Digital Photography

Utilizes contemporary digital technology as the basis for photographic images, concentrating on the basic use of the digital camera and postproduction work to produce images. **Credits:** 3

ART 275 - 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. **Prerequisites:** A grade of C or better in ART 132, or permission of instructor. **Credits:** 3

ART 330 - Drawing II

The history and functions of drawing; drawing as a method of developing ideas and as an end itself; relationship to other media. 6 Studio. **Prerequisites:** ART 131. **Credits:** 3, R12

ART 333 - Painting II

Materials, techniques, and aesthetic issues of painting in contemporary and abstract modes with a focus on personal interpretation and perception. 6 Studio. **Prerequisites:** ART 233. **Credits:** 3, R12

ART 334 - Printmaking II

Exploration of various printmaking techniques with a focus on personal interpretation and perception. 6 Studio. **Prerequisites:** ART 234. **Credits:** 3, R12

ART 342 - Sculpture II

Materials, techniques, and aesthetic issues of sculpture in contemporary and abstract modes with focus on personal interpretation and perception. 6 Studio. **Prerequisites:** ART 241. **Credits:** 3, R12

ART 351 - Ceramics II

Study of ceramics within a historical and contemporary context; emphasis on clay-forming techniques combined with class discussion and criticism. 6 Studio. **Prerequisites:** ART 251. **Credits:** 3, R12

ART 359 - Introductory Book Arts

Principles and techniques for producing handmade books, including papermaking, bookbinding, and printing. Exploration of books as a format for developing concepts and imagery. 6 Studio. **Credits:** 3

ART 363 - Art for Children

Fundamentals for designing and implementing lessons to teach art to children in all educational settings. Teaching diverse multicultural populations discussed. 4 Studio. **Credits:** 1

ART 371 - Design Studio 1

Develop methods to solve intricate design problems, research and analysis, ideation and develop prototypes. Projects evolve from guided inquiry to more open explorations. **Prerequisites:** A grade of C or better in both ART 270 and ART 275, or permission of instructor. **Credits:** 3

ART 375 - Interactive Design

This course will focus on learning to design interactive products and experiences. We will consider user needs and goals, plan for sets of behaviors, design interfaces, and bring digital artifacts to life using a wide range of tools & technology. Students
Prerequisites: A grade of C or better in both ART 270 and ART 275, or permission of instructor. **Credits:** 3

ART 377 - Painting III

Exploration of abstract or figurative modes of painting with a focus on the development of an individual direction.
Prerequisites: ART 333. **Credits:** 3

ART 380 - Ceramics III

Advanced study in one aesthetic direction with a focus on solving technical and presentation concerns. **Credits:** 3

ART 381 - Sculpture III

Advanced study in one aesthetic direction with a focus on solving technical and presentation concerns. **Prerequisites:** ART 342. **Credits:** 3

ART 404 - Greco Roman Art

Development of art and architecture of Greek and Minoan civilizations through the Hellenistic period, and of Roman art from the Republic through the Empire.
Prerequisites: ART 136. **Credits:** 3

ART 405 - History of Photography

Study of modern photography starting with early developments in the Renaissance through digital work. **Prerequisites:** ART 137. **Credits:** 3

ART 411 - Ceramics IV

Advanced wheel-throwing and hand-building techniques. **Prerequisites:** ART 380. **Credits:** 3

ART 412 - Nineteenth-Century Painting

Major figures and styles in European painting. **Prerequisites:** ART 137 or permission of instructor. **Credits:** 3

ART 414 - American Art

From colonial limners to contemporary art. **Prerequisites:** ART 137 or permission of instructor. **Credits:** 3

ART 416 - Contemporary Art

Contemporary directions in the visual arts since 1945; emphasis on trends during the

past five years. **Prerequisites:** ART 137 or permission of instructor. **Credits:** 3

ART 418 - Development of Modern Art: Painting, Sculpture, and Architecture

From Manet, Rodin, and Richardson to Post-Modernism in painting, sculpture, and architecture. **Prerequisites:** ART 137 or permission of instructor. **Credits:** 3

ART 419 - History of Design

Survey of the development of graphic design from prehistory through contemporary visual communications; topics include typography, photography, illustration, and current conceptual and art historical issues. **Prerequisites:** Permission of instructor. **Credits:** 3

ART 433 - Painting IV

Emphasis on the exploration of abstract or figurative modes of painting and critical thinking within a contemporary context. 6 Studio. **Prerequisites:** ART 333. **Credits:** 3, R12

ART 434 - Problems in Printmaking

Study of selected printing media through independent, self-directed projects under faculty supervision. 6 Studio. **Prerequisites:** ART 334. **Credits:** 3, R12

ART 440 - Advanced Drawing

Perceptual and conceptual drawing design problems; emphasis on a drawing project augmented by discussion, readings, and critique. 6 Studio. **Prerequisites:** ART 330. **Credits:** 3, R12

ART 443 - Sculpture IV

Emphasis on exploration of sculptural materials and critical thinking within a contemporary context. 6 Studio. **Prerequisites:** ART 342. **Credits:** 3, R12

ART 451 - Problems in Ceramics

Emphasis on personal direction; critiques of current work; reading in history and criticism. 6 Studio. **Prerequisites:** ART 411. **Credits:** 3, R12

ART 452 - Problems in Sculpture

Individualized course of study in studio arranged in consultation with a faculty member. For advanced students in the major. **Prerequisites:** ART 443 or permission of instructor. **Credits:** 3, R9

ART 453 - Problems in Painting

Individualized course of study in studio arranged in consultation with a faculty member. For advanced students in the major. **Prerequisites:** ART 433 or permission of instructor. **Credits:** 3, R9

ART 454 - Problems in Drawing

Individualized course of study in studio arranged in consultation with a faculty member. For advanced students in the major. **Prerequisites:** ART 330 or permission of instructor. **Credits:** 3, R9

ART 455 - Photography II

Emphasis on developing an individual style of vision by utilizing traditional and contemporary photographic techniques. **Prerequisites:** ART 272 or permission of instructor. **Credits:** 3

ART 459 - Book Arts II

The exploration of working with the book as an artist's medium. Students will investigate traditional bookbinding, nontraditional book formats, and image-making techniques. 6 Studio. **Prerequisites:** ART 234 and ART 359. **Credits:** 3, R12

ART 460 - Motion Design I

An introduction to working with type, image, sound, and animation using time-based digital media. Emphasis is on complex problem solving through multiple modes of communication. **Prerequisites:** A grade of C or better in both ART 371 and ART 375, or permission of instructor. **Credits:** 3

ART 461 - Problems in Design

Individualized course of study in studio arranged in consultation with a faculty member. For advanced students in the major. **Prerequisites:** Permission of instructor. **Credits:** 3, R9

ART 463 - Art Methods for the Middle and High School

Curriculum planning, exploration of suitable art media, and methods for teaching art to diverse populations at the middle and high school level. Field experience required. 6 Studio. **Credits:** 3

ART 465 - Art Methods for the Elementary School

Curriculum planning, exploration of age-appropriate art media, and methods for teaching art to diverse populations in the elementary school. Field experience required. 6 Studio. **Credits:** 3

ART 471 - Design Studio 2

This course will focus on learning to design for a range of products, experiences, and other outcomes based on an empathetic understanding of user/audience needs and the problems they face. With a focus on research and exploration, students will be introduced. **Prerequisites:** A grade of C or better in both ART 460 and ART 475, or permission of instructor. **Credits:** 3, R6

ART 472 - Photography III

Emphasis on personal direction and advanced technical problems. 6 Studio. **Prerequisites:** ART 272 or permission of instructor. **Credits:** 3, R12

ART 473 - Portfolio Design

Serves as the capstone for senior BFA students with a focus in Graphic Design. This course is intended to prepare students for an informed and successful engagement with the design profession as well as entry into graduate programs. **Prerequisites:** A grade of C or better in both ART 471 and ART 479, or permission of instructor. **Credits:** 3, R6

ART 474 - Portfolio

Professional preparation, including a portfolio of professional-level work. A capstone course required of all senior BFA majors. 6 Studio. **Prerequisites:** Permission of instructor. **Credits:** 3

ART 475 - Typography II

Typography 2 is an advanced-level course that will apply and expand on the information covered in Typography 1. We will engage in a wide range of industry-specific as well as experimental typographic applications. Additionally, this course is intended to **Prerequisites:** A grade of C or better in both ART 371 and ART 375, or permission of instructor. **Credits:** 3, R6

ART 476 - Problems in Photography

Emphasis on personal interpretation and advanced technical solutions to guided projects. 6 Studio. **Prerequisites:** ART 472 or permission of instructor. **Credits:** 3, R9

ART 479 - Motion Design II

Motion Design 2 is an advanced course on the visual grammar and language syntax of time-based communication. It addresses multidisciplinary concepts and explores techniques for integrating multiple modes

of communication in time-based media for effective. **Prerequisites:** A grade of C or better in both ART 460 and ART 475; or permission of instructor. **Credits:** 3, R6

ART 480 - Experimental Studio

Theoretical and conceptual issues and modes of making art relevant to the contemporary or post-studio artist. 6 Studio. **Prerequisites:** Permission of instructor. **Credits:** 3, R12

ART 481 - Independent Study in Studio Art

Individualized course of study arranged in consultation with a faculty member. For advanced students in the major. Studio. **Prerequisites:** Permission of instructor. **Credits:** 1-6, R12

ART 482 - Independent Study in Art History

Independent Study in Art History. **Prerequisites:** Submitted proposal must be approved by instructor. **Credits:** 1-6, R6

ART 483 - Art Internship

Directed work experience in a professional art/design field or applicable professional institution. 120 hours. S/U Grading. **Prerequisites:** Permission of instructor. **Credits:** 3

ART 486 - Exhibition Practicum

Organizational, administrative, and operational structures of an art gallery and museum, including the introduction of planning, curating, and installing professional art exhibitions. **Credits:** 3

ART 491 - Supervised Student Teaching in Art, K-12

A full-time supervised teaching experience in Art. **Corequisites:** EDSE 485 and EDSE 495. **Credits:** 3

ART 493 - Topics in Art

Topics in Art. **Prerequisites:** Permission of instructor. **Credits:** 1-4, R12

Arts and Sciences Interdisciplinary

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 (Liberal Studies P1). **Credits:** 3

ASI 293 - Special Topics

Special Topics. **Credits:** 1-4, R6

ASI 393 - Special Topics

Special Topics. **Credits:** 3, R12

ASI 493 - Topics in American Studies

Seminar on particular facets of American culture such as literature and art, philosophy and politics, and folklore and society. **Credits:** 3, R6

ASI 494 - Topics in Cherokee Studies

Various topics in Cherokee studies such as anthropology, history, sociology, and literature. Juniors will not be allowed to enroll in this course. **Prerequisites:** Permission of instructor. **Credits:** 3, R6

Astronomy

AST 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 (Liberal Studies C5). **Credits:** 3

AST 103 - The Solar System

A descriptive introduction to our solar system from a historical and evolutionary perspective (Liberal Studies C5). **Credits:** 3

AST 104 - Cosmic Evolution

A descriptive introduction to stars, galaxies, and the universe, from an evolutionary perspective (Liberal Studies C5). **Credits:** 3

AST 301 - Modern Astronomy

Techniques of measurement and research. 2 Lecture, 1 Lab. **Credits:** 3

Athletic Training

ATTR 150 - Introduction to Athletic Training

An introduction to athletic training, including care and prevention of injuries incurred by athletes and physically active individuals and basic skills required of athletic trainers. 2 Lecture, 1 Lab. **Credits:** 3

ATTR 183 - Introduction to Clinical Education

This course is designed to introduce students to the process of clinical education and prepare them to begin clinical education experiences. **Prerequisites:** A grade of C+ or better in ATTR 150. **Credits:** 1

ATTR 210 - Clinical Anatomy & Biomechanics

Biomechanics and functional anatomy, including the upper extremities, lower extremities, and spine. Discussion of anatomical, kinesiological, biomechanical, and physiologic principles related to athletic training. 3 Lecture, 3 Lab. **Prerequisites:** ATTR 150. **Credits:** 4

ATTR 265 - Clinical Physiology and Pathology

Teaches concepts of human physiology and basic pathology, involving detailed evaluation skills necessary for assessment and recognition of general medical conditions of the physically active. 3 Lecture, 3 Lab. **Prerequisites:** Provisional Admission to the Athletic Training Program. **Credits:** 4

ATTR 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:** Good Standing in the Athletic Training Program. **Credits:** 4

ATTR 377 - Exercise Physiology

This course is designed to provide a comprehensive understanding and application of physiological functions as they apply to human movement, exercise performance, and optimal health. **Prerequisites:** BIOL 291 and BIOL 292. **Credits:** 4

ATTR 450 - Radiology and Diagnostic Procedures

Provides fundamental clinical knowledge of commonly utilized diagnostic imaging techniques in sports medicine. **Credits:** 1

ATTR 460 - Gross Human Anatomy

This course utilizes cadaver dissection as a tool for advanced study of anatomy and functional anatomy of the musculoskeletal, circulatory, integumentary, and nervous systems. **Prerequisites:** Permission of instructor and Good Standing in the Athletic Training Program **Credits:** 3

ATTR 465 - Pathophysiology

Teaches concepts of clinical pathophysiology related to assessment, recognition, and treatment of general medical conditions of the physically active. **Credits:** 3

ATTR 493 - Topics in Athletic Training

Studies in special areas of interest in athletic training. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R9

Business Administration

BA 133 - Introduction to Business

This course provides an introduction to the study of business strategy. Current events are used as a springboard to discuss important business issues (Liberal Studies P1). **Credits:** 3

BA 195 - Movers and Shakers: Experienced Leaders and Experiential Leadership

This course examines aspects of leadership from a variety of perspectives. Students explore how to manage challenging and unpredictable societal and organizational problems encountered at different stages of their career. **Credits:** 3

BA 293 - Topics in Business Administration

Topics in Business Administration. **Credits:** 1-6, R6

BA 300 - Business Communications

Application of written, oral, and interpersonal communication theory in business. **Prerequisites:** ENGL 202. **Credits:** 3

BA 301 - Competition Challenge Seminar

Prepares selected students to compete in discipline-specific intercollegiate business skills and knowledge competitions. **Credits:** 1, R3

BA 304 - Business Communications in a Multicultural Environment

Analyzing communication and messages in a multicultural business environment. Global business communications, such as websites, will be examined through case studies, projects, and contemporary issues (Liberal Studies P6). **Credits:** 3

BA 393 - Topics in Business Administration

Topics in Business Administration. **Credits:** 1-6, R6

BA 480 - Independent Research

Supervised, student-initiated research project. **Prerequisites:** Permission of department head. **Credits:** 3

BA 493 - Topics in Business Administration

Topics in Business Administration. **Credits:** 1-6, R6

BA 495 - Dispute Resolution Seminar

Advanced seminar on conflict resolution and dispute resolution. Students observe and mediate campus and community cases and train peer mediators for 10 hours per week. **Prerequisites:** LAW 285. **Credits:** 3

Biology

BIOL 102 - Human Genetics

Principles of biology relative to the development of human hereditary characteristics. 2 Lecture, 2 Lab (Liberal Studies C5). **Credits:** 3

BIOL 103 - Environmental Biology

Principles of biology relative to ecology and modern environmental problems. Ecosystem's structure and function, population growth, food production, pollution, and resource use. 2 Lecture, 2 Lab (Liberal Studies C5). **Credits:** 3

BIOL 104 - Human Biology

The biology which underlies medical, social, and developmental issues of the human lifecycle. 2 Lecture, 2 Lab (Liberal Studies 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 (Liberal Studies C5). **Credits:** 3

BIOL 140 - Principles of Biology I

Introduction to biology for majors. Basic cell structure and function, bioenergetics, introduction to genetics, and molecular biology. 3 Lecture, 3 Lab (Lecture-4 credits, Lab-0 credits. Lab is required) (Liberal Studies C5). **Corequisites:** Lab must be taken concurrently with lecture. **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 credits. Lab is required) (Liberal Studies C5). **Prerequisites:** BIOL 140. **Corequisites:** Lab must be taken concurrently with lecture. **Credits:** 4

BIOL 180 - Introduction to Biological Research

This course is designed for biology majors in their first, or second year, and transfer students. This one-credit introductory course will cover the conduct, ethics,

common practices in biological research, and introduction to faculty research in the depta **Credits:** 1

BIOL 190 - Discoveries in Biology

Discoveries in biology used as the basis for exercises involving analysis of scientific reasoning, the scientific method, and experimental design. **Credits:** 3

BIOL 192 - Plants and Society

Human uses of plants as a context for the botanical sciences. Experience with identification of plants and uses of plants in medicines, foods, and fiber. 2 Seminar, 2 Lab. **Credits:** 3

BIOL 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 (Liberal Studies C) **Prerequisites:** A grade of C- or better in BIOL 140 or BIOL 141. **Credits:** 4

BIOL 241 - Introduction to Ecology and Evolution

This course examines the interaction of organisms with their environment and each other to provide a broad overview of the fields of evolution and ecology. 3 Lecture, 3 Lab (Liberal Studies C5). **Prerequisites:** A grade of C- or better in the following: BIOL 140, BIOL 141, and BIOL 240. **Credits:** 4

BIOL 291 - Human Anatomy and Physiology I

The skeletal, muscular, digestive, circulatory, respiratory, excretory, integrative, and reproductive systems. 3 Lecture, 3 Lab (Liberal Studies C5). **Prerequisites:** Completed 24 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 (Liberal Studies C5).

Prerequisites: BIOL 291. **Credits:** 4

BIOL 304 - General Ecology

Ecosystem and population processes, pathways of energy and materials, interactions between organisms and populations, and the human role in the biosphere. 3 Lecture. **Prerequisites:** BIOL 241 or permission of instructor. **Credits:** 3

BIOL 306 - Evolutionary Biology

Introduction to evolutionary biology, including population genetic processes, speciation, selection models, phylogeny reconstruction, and molecular evolution. History and analytical approaches will also be emphasized. **Prerequisites:** BIOL 140, BIOL 141, BIOL 240, and BIOL 241. **Credits:** 3

BIOL 313 - Microbiology in Health and Nutrition

Morphological, cultural, biochemical, and staining characteristics of microorganisms; emphasis on those that infect humans and occur in water, food, and human environments. 3 Lecture, 3 Lab.

Prerequisites: Permission of instructor.
Credits: 4

BIOL 321 - Plant Biology

An introduction to the principles of botany with an emphasis on plant body structure, functions and development. **Prerequisites:** BIOL 140 and BIOL 141. **Corequisites:** Lab must be taken concurrently with lecture.

Credits: 4

BIOL 326 - Plants and Human Affairs

Understanding the relationships between plants and people with a focus on useful and economically important plants and applied botanical questions of human concern. **Prerequisites:** BIOL 141. **Credits:** 3

BIOL 330 - Population Genetics for Forensic Science

An overview of human genetic variation and molecular population genetics as applied to forensic DNA analysis in a crime laboratory as well as the courtroom. **Prerequisites:** BIOL 240. **Credits:** 3

BIOL 333 - Cell and Molecular Biology

Genome structure; protein shape, structure, and function; RNA and protein synthesis; control of gene expression and post-transcriptional controls; recombinant DNA technology; membrane structure; protein sorting; cell communication, the cell cycle, and can **Prerequisites:** BIOL 240 or permission of instructor. **Corequisites:** Lab must be taken concurrently with lecture. **Credits:** 4

BIOL 361 - Principles of Biochemistry

Structures and properties of biomolecules; central principles of metabolism. This course is cross-listed with CHEM 361.

Prerequisites: A grade of C- or better in CHEM 242 lecture. **Credits:** 3

BIOL 373 - Invertebrate Zoology

Morphology, physiology, behavior, ecology, and evolution of invertebrates. 2 Lecture, 6 Lab. **Prerequisites:** BIOL 141. **Credits:** 4

BIOL 374 - Vertebrate Zoology

Morphology, physiology, behavior, ecology, and evolution of vertebrates. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 141 and BIOL 241. **Credits:** 4

BIOL 375 - Methods in Ecology and Evolution

Field, computer-simulation, and laboratory methods used to study the environment, evolutionary ecology, and the general ecology of individuals, populations, communities, ecosystem landscapes. 3 Lecture, 2 Lab. **Prerequisites:** BIOL 241 or permission of instructor. **Credits:** 4

BIOL 389 - Cooperative Education in Biology

See Cooperative Education Program.

Prerequisites: Permission of department head. **Credits:** 1 or 3, R15

BIOL 411 - Animal Physiology

Principles of homeostasis, cell and tissue communication systems, contractility, respiration, excretion, and metabolism in animals. **Prerequisites:** BIOL 141, (BIOL 333 or BIOL 419), and CHEM 140. **Credits:** 3

BIOL 412 - Cellular and Molecular Immunology

Detailed examination of the immune response, including: antigen recognition, effector mechanisms, immunogenetics, immunoregulation, immunity to infection, immunopathology, tumor and

transplantation immunology, and autoimmunity. **Prerequisites:** BIOL 240 or completion of, or concurrent enrollment in BIOL 333. **Credits:** 3

BIOL 413 - Principles of General Microbiology

Survey of microorganisms emphasizing: morphology, physiology, genetics, and ecology of prokaryotes (bacteria and archaea); microorganisms and disease; environmental and applied microbiology; and taxonomy of prokaryotes. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 241. **Credits:** 4

BIOL 414 - Methods of General Microbiology

Microscopy; morphological, cultural, physiological, and serological characteristics of microorganisms; microbiology of food, milk, water, and soil. 6 Lab. **Corequisites:** BIOL 413. **Credits:** 2

BIOL 415 - Plant Physiology

Plant metabolism, effects of hormones and light on plant growth and development. Transport and translocation of water and solutes. Plant stress physiology. **Prerequisites:** BIOL 141 and CHEM 140. **Credits:** 3

BIOL 416 - Plant Molecular Biology

Molecular aspects of plant development. Examination of the structure, expression, and function of genes involved in the flowering plant life cycle, including genes controlling embryogenesis, vegetative growth, plant-pathogen interaction, and reproduction. **Prerequisites:** BIOL 333. **Credits:** 3

BIOL 417 - Biochemistry

The metabolism of carbohydrates, lipids, nucleic acids, and proteins in plant and animal systems. **Prerequisites:** (BIOL 240 or BIOL 304) and CHEM 242; or permission of instructor. **Credits:** 3

BIOL 418 - Advanced Techniques in Microscopy

This course provides an in-depth examination of basic and advanced imaging techniques used in biomedical fields with an emphasis on fluorescence microscopy. Topics covered include: properties of light, refractive index, fluorescent quantum yields, quenchi **Prerequisites:** (BIOL 333, or BIOL 361, or CHEM 361) and (PHYS 131 or

PHYS 231); or permission of instructor. **Credits:** 4

BIOL 419 - Cell Biology

A look at cell biology from a molecular perspective, focusing on the structure, function, and techniques involved in the study of eukaryotic cells. An investigation of current knowledge about the mechanisms underlying cellular events. **Prerequisites:** BIOL 333 or permission of instructor. **Credits:** 3

BIOL 420 - Darwin's Origin of Species

A detailed reading and analysis of Darwin's landmark work, *On the Origin of Species*. Examining its historical and philosophical context, and its social and scientific significance. **Prerequisites:** (BIOL 240 and BIOL 241) or BIOL 304. **Credits:** 3

BIOL 421 - Principles of Biotechnology

Survey of methods and applications used in molecular biotechnology. Topics include recombinant DNA methods and molecular tools to analyze and modify genetic material for biotechnology (3 Lecture, 3 Lab). **Prerequisites:** BIOL 333. **Credits:** 4

BIOL 422 - Forensic Biology

Principles of nuclear and mitochondrial DNA analysis including current and emerging analytical techniques, database searches, statistical analysis, courtroom testimony, and non-human DNA analysis. 3 Lecture, 3 Lab. **Prerequisites:** (A grade of C or better in BIOL 140 and BIOL 240) and (BIOL 333 lecture and laboratory); or permission of instructor. **Credits:** 4

BIOL 424 - Pharmacology

An introduction to medicinal chemistry. Topics include pharmacodynamics, pharmacokinetics, and the process of drug discovery, design, and development. **Prerequisites:** CHEM 242. **Credits:** 3

BIOL 425 - Flora of the Southern Appalachians

Taxonomy of the flowering plants of the region; family relationships; use of keys for identification; and recognition, collection, documentation, and preservation of specimens. One weekend field collecting trip. 2 Lecture, 6 Lab. **Prerequisites:** BIOL 141. **Credits:** 4

BIOL 433 - Ecological Co-Adaptations

In-depth study of co-evolutionary interactions, including seed dispersal, pollination, host-parasite, and plant-microbe interactions such as nitrogen fixation. Lecture, laboratory, and field trips. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 241. **Credits:** 4

BIOL 434 - Terrestrial Landscape Ecology
Landscape structure and dynamics; major North American biomes; field and descriptive methods; required field labs and trips. 3 Lecture, 3 Lab/Field. **Prerequisites:** BIOL 241. **Credits:** 4

BIOL 435 - Aquatic Ecology
Biological, physical, and chemical components and processes in lakes and streams; field studies of local lakes and their biota. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 241 or BIOL 304. **Credits:** 4

BIOL 441 - Conservation Biology
Exploration of biodiversity conservation principles as they apply to managed ecosystems. Components of biodiversity, threats to biodiversity, and strategies for conserving it will be examined. **Prerequisites:** BIOL 140 and BIOL 141. **Credits:** 3

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:** Biology major with Junior Standing or permission of instructor. **Credits:** 3

BIOL 455 - Vascular Plants
Biology of higher plants: Club and small club mosses, quillworts, scouring rushes, ferns, gymnosperms, and angiosperms in living and fossil form. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 141. **Credits:** 4

BIOL 461 - Molecular Medicine
The study of the molecular and cellular basis of disease, and the application of this knowledge to the development of new clinical and diagnostic tools, medications, and therapies. **Prerequisites:** BIOL 333 or (BIOL 361 or CHEM 361). **Credits:** 3

BIOL 464 - Brewing Methods and Evaluation
This course will combine the theoretical aspects of brewing with the practical side of

making beer. Lecture topics will include such things as the basic ingredients used to make beer, the biochemistry involved in brewing, beer styles and evaluation of beer. **Prerequisites:** Senior Standing and permission of instructor. **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:** Junior Standing or permission of instructor. **Credits:** 3

BIOL 470 - Biology of Arthropods
Functional morphology, physiology, natural history, and systematics of the arthropods; field/lab emphasis on spiders. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 241 or BIOL 304. **Credits:** 4

BIOL 471 - Animal Behavior
Mechanisms, development, functional significance, and evolution of behavior; individual research projects, films, and discussions in lab. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 241 or permission of instructor. **Credits:** 4

BIOL 472 - Ornithology
Anatomy, physiology, ecology, behavior, diversity, and evolution of birds. Lab will focus on the identification of North Carolina birds, field research techniques, and behavior. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 241. **Credits:** 4

BIOL 473 - Microbial Ecology
Ecology of archaea and bacteria. Population and community detection, diversity, and roles in biogeochemical cycling using cultivation and molecular techniques. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 241, or (BIOL 304 and BIOL 413), or BIOL 414. **Corequisites:** Lab must be taken concurrently with lecture. **Credits:** 4

BIOL 474 - Virology
A study of viruses and how they differ from cellular life, including the molecular nature and replication strategies of viral genomes, the balance between viruses and their hosts, innate and adaptive immune responses, and issues surrounding vaccine safety. **Prerequisites:** BIOL 333. **Credits:** 4

BIOL 475 - Animal Development

Development in animals: Gametogenesis, fertilization, cleavage, gastrulation, organogenesis, embryonic adaptations, differentiation, and growth. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 241 or BIOL 304. **Credits:** 4

BIOL 476 - Contemporary Fisheries

Biological concepts and alternative management practices involved in the protection, conservation, restoration, augmentation, and cultivation of fisheries resources. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 241, or BIOL 304, or permission of instructor. **Credits:** 4

BIOL 477 - Herpetology

Study of the biological diversity, evolution, life history, ecology, and conservation of amphibians and reptiles. Field trips required. 3 Lecture/Discussion, 3 Lab/Field. **Prerequisites:** (BIOL 140, BIOL 141, and BIOL 240), or BIOL 241, or BIOL 304. **Credits:** 4

BIOL 478 - Parasitology

This course is intended to provide an exploration into the world of parasites. Emphasis will be placed on the life cycles and natural histories of those parasites that coexist with humans and animals. **Prerequisites:** Junior or Senior Standing or permission of instructor. **Credits:** 3

BIOL 479 - Mammalogy

Anatomy, physiology, ecology, behavior, diversity, evolution, and conservation of mammals. Lab will focus on the identification of mammals through skin/skull specimens and photos, field research techniques, and behavior. Field trips required. 3 Lecture, **Prerequisites:** BIOL 241. **Credits:** 4

BIOL 480 - Research in Biology

Research in Biology. **Prerequisites:** Junior Standing and permission of research director. **Credits:** 1-3, R6

BIOL 493 - Studies in Biology

Studies in Biology. **Prerequisites:** Permission of department head. **Credits:** 1-6, R12

BIOL 495 - Introduction to Senior Thesis

Designed to introduce experimental design and assist in selection of a senior thesis project. **Prerequisites:** Permission of department head. **Credits:** 1

BIOL 496 - Biology Departmental Seminar

Current research presented by invited scientists on diverse topics across the field of Biology. **Credits:** 1, R3

BIOL 498 - Senior Thesis I

Directed research conducted in the first semester of the senior year. **Prerequisites:** Permission of department head. **Credits:** 2

BIOL 499 - Senior Thesis II

Senior thesis and oral presentation following completion of directed undergraduate research. **Prerequisites:** BIOL 498. **Credits:** 1

Birth-Kindergarten

BK 250 - Introduction to Birth-Kindergarten
Introduction to the Birth-Kindergarten major and profession. **Prerequisites:** GPA of 2.75 or higher, ENGL 101 or equivalent, and admission to the Birth-Kindergarten Program. **Credits:** 3

BK 260 - Foundations of Child Study

Emphasis will be on child study from a cultural and historical perspective. The study of early childhood models from a philosophical viewpoint will be explored. **Prerequisites:** GPA of 2.75 or higher, ENGL 101 or equivalent, and admission to the Birth-Kindergarten Program. **Credits:** 3

BK 312 - Kindergarten Curriculum

Overview of methods for kindergarten curriculum for typical and atypical children in the public school environment. **Prerequisites:** GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, admission to the PED Concentration, and admission to Teacher Education. **Credits:** 3

BK 315 - Early Childhood Literacy, Birth-5

A study of emergent literacy in young children from a developmental and constructivist perspective. Includes regular observation and data collection. **Prerequisites:** GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, and admission to the Early Childhood Concentration. **Credits:** 3

BK 316 - Mathematics and Science

A study of the development of young children's understanding of numeracy and scientific concepts from a constructivist

perspective. Includes regular observation and data collection. **Prerequisites:** GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, admission to the Professional Education Concentration, and admission to Teacher Education. **Credits:** 3

BK 361 - Environments for Young Children

The physical, emotional, and social environment suitable for young children; room arrangement, scheduling, space utilization, and teacher-child interaction. **Prerequisites:** GPA of 2.75 or higher, ENGL 101 or equivalent, and admission to the Birth-Kindergarten Program. **Credits:** 3

BK 363 - Child Development

Physical, emotional, social, and mental development from birth through middle childhood. **Prerequisites:** GPA of 2.75 or higher, ENGL 101 or equivalent, and admission to the Birth-Kindergarten Program. **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. **Prerequisites:** GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, and admission to the Early Childhood Concentration. **Credits:** 3

BK 410 - Literacy in Preschool and Kindergarten

Exploration of teaching methods to support language and literacy development in young children. Field experience required. **Prerequisites:** GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, admission to the Professional Education Concentration, and admission to Teacher Education. **Credits:** 3

BK 414 - Theory and Practice in Early Childhood Administration

Policies, procedures, and responsibilities for the administration of early childhood education programs. **Prerequisites:** GPA of 2.75 or higher. **Credits:** 3

BK 420 - STEM in the Early Years

The study of the development of young children's understanding of science, technology, engineering, and mathematics concepts from a constructivist perspective. **Prerequisites:** GPA of 2.75 or higher, admission to the Birth-Kindergarten

Program, and admission to the Early Childhood Concentration. **Credits:** 3

BK 457 - Action Research

Development, implementation, and evaluation of action research addressing an issue or trend in early childhood education. Early Childhood Concentration only. **Prerequisites:** GPA of 2.75 or higher, Liberal Studies completed, admission to the Birth-Kindergarten Program, and admission to the Early Childhood Concentration. **Credits:** 10

BK 458 - Action Research II

Development, implementation, and evaluation of action research addressing an issue or trend in early childhood education. Early Childhood Concentration only. **Prerequisites:** GPA of 2.75 or higher, BK 457, admission to the Birth-Kindergarten Program, and admission to the Early Childhood Concentration. **Credits:** 10

BK 462 - Adult-Child Interaction

Various cultural paradigms influencing behavior of adults regarding children's discipline. Facilitation of self-management through nonverbal and verbal communication, and the dimensions of play. **Prerequisites:** GPA of 2.75 or higher, ENGL 101 or equivalent, and admission to the Birth-Kindergarten Program. **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:** GPA of 2.50 or higher. **Credits:** 3

BK 470 - Early Childhood Curriculum

Materials, environments, and interactions for two-to-five year-olds in all curricular areas including thinking and social problem-solving for children with and without disabilities. **Prerequisites:** GPA of 2.75 or higher, ENGL 101 or equivalent, and admission to the Birth-Kindergarten Program. **Credits:** 3

BK 473 - Internship I

Exploration of the development needs of the early childhood learner and the assessment techniques teachers utilize in the development of responsive instruction. Intensive field experience required. **Prerequisites:** GPA of 2.75 or higher, Liberal

Studies completed, admission to the Birth-Kindergarten Program, admission to the PED concentration, and admission to Teacher Education. **Credits:** 6

BK 482 - Internship I

Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. 2 days a week. **Prerequisites:** GPA of 2.75 or higher and admission to Teacher Education.

Credits: 6

BK 483 - Internship II

Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. 5 days/week, full-time. **Prerequisites:** GPA of 2.75 or higher, Liberal Studies completed, admission to the Birth-Kindergarten Program, admission to the PED Concentration, and admission to Teacher Education. **Credits:** 8

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:** GPA of 2.75 or higher, Liberal Studies completed, admission to the Birth-Kindergarten Program, admission to the Professional Education Concentration, and admission to Teacher Education.

Corequisites: BK 483. **Credits:** 3

Birth-Kindergarten Special Education BKSE 313 - Assessment of Young Diverse Learners

Assessment activities including screening, diagnostic assessment, and educational assessment for young children with special needs, or who are culturally and linguistically diverse, with emphasis on connecting observation, assessment, planning, and evaluation. **Prerequisites:** GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, admission to the PED Concentration, and admission to Teacher Education. **Credits:** 3

BKSE 314 - Observational Assessment & Screening of Young Children

Authentic assessment of children birth to five in a variety of early childhood settings

such as homes, daycare and public schools.

Prerequisites: GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, and admission to the Early Childhood Concentration. **Credits:** 3

BKSE 345 - Adaptations and Modifications for Young Children with Disabilities

Methods and materials for supporting young children with disabilities in their naturally occurring environments.

Prerequisites: GPA of 2.75 or higher, ENGL 101 or equivalent, and admission to the Birth-Kindergarten Program. **Credits:** 3

BKSE 350 - Early Childhood Disorders and Interventions

Review of early childhood disorders and specific education interventions for children with special needs. **Prerequisites:** GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, and admission to the Professional Education Concentration.

Credits: 3

BKSE 411 - Family Collaborative Planning

Development, implementation, monitoring of plans (IFSP); knowledge of state, federal legislation, agency programs affecting young children with disabilities and their families. Collaborating, interviewing families. **Prerequisites:** GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, and admission to the Early Childhood Concentration. **Credits:** 3

BKSE 412 - Interagency Planning

Professional roles and functions of early childhood teams, transdisciplinary team process, structures of interagency collaboration, service coordination, and transition. **Prerequisites:** GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, admission to the Professional Education Concentration, and admission to Teacher Education. **Credits:** 3

BKSE 415 - Evaluation & Intervention of Social-Emotional Competencies in Young Children

Causes, prevention, assessment and intervention strategies when working with young children with challenging behaviors. **Prerequisites:** GPA of 2.75 or higher, ENGL 101 or equivalent, and admission to the Birth-Kindergarten Program. **Credits:** 3

BKSE 427 - Teaching Reading to Young Diverse Learners

Methods and materials for teaching reading to young children with disabilities.

Prerequisites: GPA of 2.75 or higher, admission to the Birth-Kindergarten Program, admission to the PED Concentration, and admission to Teacher Education. **Credits:** 3

Chemistry

CHEM 101 - Chemistry in Society

Introduction to chemistry emphasizing the impact of chemistry and scientific reasoning on society. 2 Lecture, 2 Lab (Liberal Studies C5). **Credits:** 3

CHEM 132 - Survey of Chemistry I

Survey of basic chemistry topics such as atomic structure, chemical bonding, stoichiometry, gases, and acids and bases. The lab component introduces students to chemical experimentation. 3 Lecture, 2 Lab (Liberal Studies C5). **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 (Liberal Studies C5). **Prerequisites:** CHEM 132 or CHEM 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 (Liberal Studies C5). **Credits:** 4

CHEM 140 - General Chemistry II

Bonding, thermochemistry, equilibria, acid/base principles, kinetics, and redox chemistry. 3 Lecture, 3 Lab (Liberal Studies C5). **Prerequisites:** A grade of B or better in CHEM 132, or a grade of C- or better in CHEM 139. **Credits:** 4

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 193 - Chemistry in the Arts

Introduction to the chemical techniques and principals involved in visual art. **Credits:** 3

CHEM 232 - Quantitative Analysis

Theory and practice of methods to quantitatively determine chemical compounds, utilizing volumetric, gravimetric, spectrophotometric, and potentiometric techniques, chemical equilibrium-based sample preparation and statistical evaluation of data. 3 Lecture **Prerequisites:** A grade of C- or better in CHEM 140, and the completion of MATH 146 or MATH 153. **Credits:** 4

CHEM 241 - Organic Chemistry I

An introduction to organic chemistry with an emphasis on structure and bonding, reaction mechanisms, and chemical reactivity. 3 Lecture, 3 Lab (Liberal Studies C5). **Prerequisites:** A grade of C- or better in CHEM 140. **Corequisites:** Lab must be taken concurrently with lecture. **Credits:** 4

CHEM 242 - Organic Chemistry II

Continuation of CHEM 241; covering fundamental principles and some advanced topics in organic chemistry as well as introductory theory of instrumentation and applications of spectral methods in structure determination. 3 Lecture and 3 Lab (Liberal Studies **Prerequisites:** A grade of C- or better in CHEM 241 lecture. **Corequisites:** Lab must be taken concurrently with lecture. **Credits:** 4

CHEM 293 - Introductory Topics in Chemistry

Introductory topics in chemistry. 1-3 Lecture, 0-3 Lab or Seminar. **Credits:** 1-3, R6

CHEM 321 - Inorganic Chemistry

Physical and chemical properties of the elements and their compounds; emphasis on chemical reactions. **Prerequisites:** A grade of C- or better in CHEM 140. **Credits:** 3

CHEM 330 - Aquatic Chemistry

The sources, reactions, transport, and effects of chemical species in water. Topics include phase interactions, aquatic microbial biochemistry, water pollution, and treatment. 3 Lecture, 3 Lab. **Prerequisites:** CHEM 133 or CHEM 140. **Credits:** 4

CHEM 352 - Physical Chemistry: Chemical Thermodynamics

Introduction to chemical thermodynamics, equilibrium and kinetics. **Prerequisites:** A grade of C- or better in both CHEM 232 and MATH 153. **Credits:** 3

CHEM 361 - Principles of Biochemistry

Structures and properties of biomolecules; central principles of metabolism. This course is cross-listed with BIOL 361. **Prerequisites:** A grade of C- or better in CHEM 242 lecture. **Credits:** 3

CHEM 370 - Instrumental Analysis I

Introduction to instrumental methods, including gas and liquid chromatography; atomic, ultraviolet/visible, infrared, and fluorescence spectroscopy; and photometric methods. 3 Lecture, 3 Lab. **Prerequisites:** A grade of C- or better in both CHEM 232 and CHEM 241 lecture. **Credits:** 4

CHEM 372 - Chemical Thermodynamics Laboratory

Measurement and analysis of thermodynamic and kinetic properties of chemical systems and processes. 3 Lab. **Prerequisites:** Completion of, or concurrent enrollment in CHEM 352. **Credits:** 1

CHEM 380 - Research in Chemistry

Chemical research projects for individual students. Lab; three hours weekly in lab per credit hour. **Prerequisites:** 2.50 GPA in major and permission of instructor. **Credits:** 1-3, R12

CHEM 389 - Cooperative Education in Chemistry

See Cooperative Education Program. **Credits:** 1 or 3, R15

CHEM 411 - Industrial Chemistry

Processes, operations, marketing, and management in chemical manufacturing. **Prerequisites:** CHEM 242 and CHEM 370. **Credits:** 3

CHEM 421 - Advanced Inorganic Chemistry

Survey of structure and bonding in inorganic compounds, acid-base theory, coordination complexes of transition metals, and fundamentals of crystal-field and ligand-field theory. **Prerequisites:** A

grade of C- or better in CHEM 321. **Credits:** 3

CHEM 422 - Organometallics

This course focuses on organometallics chemistry concepts. The course materials are designed to prepare students for higher studies and chemical industry and to develop their knowledge on organometallics chemistry concepts. The course materials will include **Prerequisites:** A grade of C- or better in CHEM 242 lecture and completion of CHEM 321. **Credits:** 3

CHEM 435 - Instrumental Analysis II

Advanced theory and practice in modern chemical instrumentation, including environmental, biological and materials application. 2 Lecture, 3 Lab. **Prerequisites:** CHEM 370 and completion of, or concurrent enrollment in CHEM 352. **Credits:** 3

CHEM 440 - Synthetic Organic Chemistry

Synthetic methods and mechanistic study to include selected topics emphasizing relationships between structure and reactivity. **Prerequisites:** A grade of C- or better in CHEM 242 lecture. **Credits:** 3

CHEM 441 - Physical Organic Chemistry

An introduction to physical organic chemistry with an emphasis on structure and bonding and experimental determination of reaction mechanisms. **Prerequisites:** A grade of C- or better in both CHEM 242 lecture and CHEM 352. **Credits:** 3

CHEM 442 - Introduction to Organic Polymers

Linear and cross-linked polymers and selected topics emphasizing relationships between structure and properties. **Prerequisites:** CHEM 370. **Credits:** 3

CHEM 445 - Structural Determination

Survey of instrumental methods used in determining the structure of organic molecules. Topics will include MS, IR, UV-Vis, ¹H and ¹³C NMR, and multidimensional NMR techniques. **Prerequisites:** A grade of C- or better in both CHEM 242 lecture and CHEM 370. **Credits:** 3

CHEM 450 - Advanced Biochemistry

Detailed analysis of the structures, properties, and functions of carbohydrates, lipids, nucleic acids, and proteins in plant

and animal systems. **Prerequisites:** A grade of C- or better in BIOL 361 or CHEM 361, or permission of instructor. **Credits:** 3

CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy

Quantum mechanics, introduction to atomic and molecular spectroscopy and applications of thermodynamics.

Prerequisites: A grade of C- or better in CHEM 232, and completion of MATH 255 and PHYS 230. **Credits:** 3

CHEM 454 - Computer Interfacing

Digital logic, computer design, and interfacing with laboratory instruments. This course is cross-listed with PHYS 454. 3 Lecture. **Prerequisites:** A grade of C- or better in PHYS 131 or PHYS 231. **Credits:** 3

CHEM 455 - Chemometrics

Survey of numerical analysis of chemical data including quantitative and qualitative mixture analysis, classification, process optimization, and molecular target prediction with structure activity relationship modeling. **Prerequisites:** A grade of C- or better in CHEM 232 and completion of, or concurrent enrollment in CHEM 370. **Credits:** 3

CHEM 461 - Environmental Chemistry

Sources, reactions, transport, effects, and fates of chemical species in water, soil, air, and living environments. **Prerequisites:** CHEM 352. **Credits:** 3

CHEM 462 - Molecular Bioinformatics

Provides experience in the computer analysis of DNA and protein sequences, interrogating gene bank databases, and predicting protein structures and functions. 2 Lecture, 3 Lab. **Prerequisites:** A grade of C- or better in BIOL 361 or CHEM 361, or permission of instructor. **Credits:** 3

CHEM 463 - Molecular Biotechnology

Overview of modern biotechnology from a molecular perspective. **Prerequisites:** BIOL 361 or CHEM 361. **Credits:** 3

CHEM 464 - Genomics

Molecular aspects of cellular genomes. **Prerequisites:** A grade of C- or better in BIOL 361 or CHEM 361, or permission of instructor. **Credits:** 3

CHEM 465 - Forensic Chemistry

Introduction to modern forensic chemistry with emphasis on the use of instrumental methods of analysis. 3 Lecture, 3 Lab.

Prerequisites: A grade of C- or better in both CHEM 242 lecture and CHEM 370. **Credits:** 4

CHEM 471 - Inorganic Syntheses

Multistep synthesis of inorganic compounds along with advanced characterization techniques. **Prerequisites:** A grade of C- or better in both CHEM 242 and CHEM 321. **Credits:** 1

CHEM 472 - Organic Syntheses

Multistep synthesis of organic compounds along with advanced characterization techniques. **Prerequisites:** A grade of C- or better in CHEM 242. **Credits:** 1

CHEM 473 - Quantum Chemistry and Spectroscopy Laboratory

Spectroscopic measurements and analysis of spectral data of chemical systems and processes. 3 Lab. **Prerequisites:** Completion of, or concurrent enrollment in CHEM 453 or CHEM 553. **Credits:** 1

CHEM 475 - Biochemistry Laboratory

Practical applications of biochemical and molecular biology techniques associated with the production and analysis of nucleic acids and proteins. 3 Lab. **Prerequisites:** A grade of C- or better in BIOL 361 or CHEM 361, or permission of instructor **Credits:** 1

CHEM 493 - Topics in Chemistry

1-3 Lecture, 0-3 Lab or Seminar. **Prerequisites:** Junior Standing and permission of department head. **Credits:** 1-3, R6

CHEM 495 - Seminar in Chemistry

Development of scientific communication skills including discipline-specific public speaking and critically listening to scientific presentations, preparation for post-baccalaureate opportunities. 2 Seminar. **Credits:** 1

CHEM 521 - Advanced Inorganic Chemistry

Survey of structure and bonding in inorganic compounds, acid-base theory, coordination complexes of transition metals, and fundamentals of crystal-field and ligand-field theory. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or

better in CHEM 321; or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 522 - Organometallics

This course focuses on organometallics chemistry concepts. The course materials are designed to prepare students for higher studies and chemical industry and to develop their knowledge on organometallics chemistry concepts. The course materials will include **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in CHEM 242 lecture and completion of CHEM 321; or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 535 - Instrument Analysis II

Advanced theory and practice of modern chemical instrumentation including environmental, biological, and materials applications. 2 lecture, 3 lab. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with completion of CHEM 370 and completion of, or concurrent enrollment in CHEM 352; or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 540 - Synthetic Organic Chemistry

Synthetic methods and mechanistic study to include selected topics emphasizing relationships between structure and reactivity. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in CHEM 242 (lecture); or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 541 - Physical Organic Chemistry

An in-depth study of physical organic chemistry with an emphasis on structure and bonding and experimental determination of reaction mechanisms. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in CHEM 242 lecture and a grade of C- or better in CHEM 352; or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 542 - Introduction to Organic Polymers

Linear and cross-linked polymers; selected topics emphasizing relationships between structure and properties. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with completion of CHEM 370; or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 545 - Structural Determination

Survey of instrumental methods used in determining the structure of organic molecules. Topics will include MS, IR, UV-Vis, ¹H and ¹³C NMR, and multidimensional NMR techniques. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in CHEM 242 (lecture) and CHEM 370; or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 550 - Advanced Biochemistry

Detailed analysis of the structures, properties, and functions of carbohydrates, lipids, nucleic acids, and proteins in plant and animal systems. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in BIOL 361 or CHEM 361; or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 553 - Physical Chemistry: Quantum Chemistry and Spectroscopy

Quantum mechanics, introduction to atomic and molecular spectroscopy and applications of thermodynamics. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in CHEM 232 and completion of MATH 255 and PHYS 230; or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 554 - Computer Interfacing

Digital logic, computer design; interfacing computers to laboratory instruments. 3 Lecture. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in PHYS 131 or PHYS 231; or enrollment in the Chemistry MS Program **Credits:** 3

CHEM 555 - Chemometrics

Survey of numerical analysis of chemical data including quantitative and qualitative mixture analysis, classification, process optimization, and molecular target prediction with structure activity relationship modeling. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in CHEM 232 and completion of, or concurrent enrollment in CHEM 370; or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 561 - Environmental Chemistry

Sources, reactions, transport, effects, and fates of chemical species in water, soil, air, and living environments. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with completion of CHEM 352; or enrollment in the Chemistry MS program. **Credits:** 3

CHEM 562 - Molecular Bioinformatics

Provides experience in the computer analysis of DNA and protein sequences, interrogating gene bank databases, and predicting protein structures and functions. 2 Lecture 3 Lab. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in BIOL 361 or CHEM 361, or permission of instructor; or enrollment in the Chemistry MS Program. **Credits:** 3

CHEM 563 - Molecular Biotechnology

Overview of modern biotechnology from a molecular perspective. **Credits:** 3

CHEM 564 - Genomics

Molecular aspects of cellular genomes. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in BIOL 361 or CHEM 361 or permission of instructor; or enrollment in the Chemistry MS Program. **Credits:** 3

CHEM 565 - Forensic Chemistry

Introduction to modern forensic chemistry with emphasis on the use of instrumental methods of analysis. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in CHEM 242 lecture and a grade of C- or better in CHEM 370; or enrollment in the Chemistry MS program. **Credits:** 4

CHEM 571 - Inorganic Syntheses

Multistep synthesis of inorganic compounds along with advanced characterization techniques. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in both CHEM 242 (lecture and lab) and CHEM 321; or enrollment in the Chemistry MS program. **Credits:** 1

CHEM 572 - Organic Syntheses

Multistep synthesis of organic compounds along with advanced characterization techniques. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM)

Track with a grade of C- or better in CHEM 242 (lecture and lab); or enrollment in the Chemistry MS program. **Credits:** 1

CHEM 573 - Quantum Chemistry and Spectroscopy Laboratory

Spectroscopic measurements and analysis of spectral data of chemical systems and processes. 3 Lab. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with completion of, or concurrent enrollment in CHEM 453 or CHEM 553; or enrollment in the Chemistry MS program. **Credits:** 1

CHEM 575 - Biochemistry Laboratory

Practical applications of biochemical and molecular biology techniques associated with the production and analysis of nucleic acids and proteins. **Prerequisites:** Enrollment in the Chemistry Accelerated B.S./M.S. (ABM) Track with a grade of C- or better in BIOL 361 or CHEM 361, or permission of instructor; or enrollment in the Chemistry MS Program. **Credits:** 1

CHEM 593 - Topics in Chemistry

Lecture, Lecture/Lab, Lab, or Seminar. **Prerequisites:** Permission of department head. **Credits:** 1-3 Lecture, 0-3 lab or seminar

CHEM 596 - Seminar in Chemistry

Development of scientific communication skills including public speaking and critically listening to scientific presentations, preparation for graduate studies. 2 Seminar. **Prerequisites:** Junior Standing; Enrollment in the Accelerated B.S./M.S. (ABM) Track. **Credits:** 1

Cherokee**CHER 101 - Experiencing Cherokee and the Cherokee-Speaking World**

Students develop basic knowledge of the Cherokee-speaking world. Using linguistic and content-based material, students will learn basic Cherokee (Liberal Studies P6). **Credits:** 3

CHER 132 - Elementary Cherokee II

Continued audio-lingual practice of basic imperatives, idioms on the imperative stem, verbs of motion and locationals, and basic complement types. **Prerequisites:** CHER 101. **Credits:** 3

CHER 231 - Intermediate Cherokee I

Review and continuation of oral and written grammar, selected readings, and lab

practice may be assigned (Liberal Studies P6). **Prerequisites:** CHER 132. **Credits:** 3

CHER 232 - Intermediate Cherokee II
Readings and discussions on Cherokee culture; emphasis on pre-removal culture and its traces in language and readings in specialized areas (Liberal Studies P6).
Prerequisites: CHER 231. **Credits:** 3

CHER 310 - Introduction to Cherokee Literature
Introduction to written Cherokee and Cherokee literary texts; reading and analysis of literary works. **Credits:** 3

CHER 351 - Phonetics and General Linguistics
Introduction to linguistics; the Cherokee sound system from a phonetic and allophonic view; grammatical categories, morphology, and syntax. **Prerequisites:** Permission of instructor. **Credits:** 3

Chinese

CHIN 101 - Modern Chinese: Language and Culture I
An introduction to the study of Chinese language and culture (Liberal Studies P6).
Credits: 3

CHIN 102 - Modern Chinese: Language and Culture II
An introduction to Chinese language and culture (Liberal Studies P6). **Prerequisites:** CHIN 101. **Credits:** 3

CHIN 231 - Intermediate Modern Chinese I
Continued study of Chinese language and culture (Liberal Studies P6). **Prerequisites:** CHIN 102. **Credits:** 3

CHIN 232 - Intermediate Modern Chinese II
Continued study of Chinese language and culture (Liberal Studies P6). **Prerequisites:** CHIN 231. **Credits:** 3

CHIN 321 - Chinese Civilization
Geographical, political, cultural, and historical aspects of China. Instruction will be both in English and Chinese.
Prerequisites: CHIN 232 or permission of instructor. **Credits:** 3

Computer Information Systems
CIS 195 - The Information Society at Work
The impact of computer and telecommunications technologies on the

way we work; special focus on the individual, organizational, and societal impacts of remote work arrangements.
Credits: 3

CIS 235 - Network Infrastructure and Security
Introduces the foundational knowledge of networking services and concepts including the OSI model and TCP/IP protocol suite; network architectures and management; data traffic network analysis; network hardware components and devices; issues surrounding n **Credits:** 3

CIS 240 - Intro to Coding with Python
This course explores core programming basics that are common to all programming languages, so they'll be useful throughout a coding career. Via the Python programming language, the fundamentals of data types, control structures and web frameworks will be **Credits:** 3

CIS 245 - Introduction to Cybersecurity
Foundational concepts and processes for information security in cyberspace: incident response, reporting, containment, and restoration of the information infrastructure. **Credits:** 3

CIS 251 - Managing Enterprise Information Systems
An introduction to enterprise information systems and how they are used to assist businesses and organizations achieve their mission and gain a competitive advantage.
Credits: 3

CIS 293 - Topics in Computer Information Systems
Topics in Computer Information Systems.
Credits: 1-3, R6

CIS 335 - Enterprise Technology Management
The development, management, and planning of information technologies in the enterprise environment. **Prerequisites:** CIS 235. **Credits:** 3

CIS 340 - Python for Analytics
An introduction to using Python and Python libraries for analytics. The emphasis will be on the data wrangling and visualization dimensions of analytics. **Prerequisites:** CIS 240. **Credits:** 3

CIS 353 - Database Theory and Practice

Explore relational databases using RDBMS, SQL, and modeling techniques and non-relational databases using appropriate methods to aid good decision making while solving business problems. **Credits:** 3

CIS 370 - Data for Visual Storytelling

When data is visualized effectively it has the power to inform decision making and policy. But first, the data needs to be retrieved, cleaned up, and shaped into the form required by the visualization software. This course will cover how to retrieve data **Prerequisites:** QA 270. **Credits:** 3

CIS 389 - Cooperative Education in Information Systems

See Cooperative Education Program. **Credits:** 1-3, R15

CIS 453 - Database Management Systems

Installing, configuring, using and maintaining an enterprise DBMS in a virtual environment including a few typical DBA tasks. **Prerequisites:** CIS 353. **Credits:** 3

CIS 455 - Computer Information Systems Analysis and Design

Object-oriented analysis and design. Object identification, problem identification, feasibility, system requirements, prototyping, design-related activities, and formal report writing. **Prerequisites:** CIS 340. **Credits:** 3

CIS 465 - The CIS Profession

Preparation for professional careers in CIS and further exploration of coding, networking, database, or other IT-related areas. **Prerequisites:** CIS 453 and CIS 455. **Credits:** 3

CIS 467 - Ethical Hacking

Provides an overview of tools and concepts of ethical hacking to enable students to understand, mount defenses against, and plan recovery from various technology-based and human-based internal and external cybersecurity threats.

Prerequisites: CIS 235 or CS 466. **Credits:** 3

CIS 468 - Case Studies in Cybersecurity

The course will use case method analysis to complete a capstone project that addresses the various types of attacks and vulnerabilities that typical organizations face every day. **Prerequisites:** CIS 245 or CS 466. **Credits:** 3

CIS 480 - Independent Research in Information Systems

Independent Research in Information Systems **Prerequisites:** Computer Information Systems major and permission of department head. **Credits:** 3

CIS 483 - Internship in Information Systems

Supervised experience using previously studied theory. Minimum of 10 hours per week. S/U grading. **Prerequisites:** Sophomore Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 1-3, R6

CIS 484 - Internship in Information Systems

Supervised experience using previously studied theory. Minimum of 10 hours per week. S/U grading. **Prerequisites:** Sophomore Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 1-3, R6

CIS 485 - Internship in Information Systems

Supervised experience using previously studied theory. Minimum of 10 hours per week. S/U grading. **Prerequisites:** Sophomore Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 1-3, R6

CIS 493 - Topics in Information Systems

Topics in Information Systems. **Prerequisites:** Permission of department head. **Credits:** 1-3, R15

Criminal Justice

CJ 150 - Introduction to Criminal Justice & Criminology

Evaluation of formal institutions dealing with crime in Western culture; overview of major components of the criminal justice system. **Credits:** 3

CJ 175 - International Perspectives on Justice

The purpose of an international criminal justice study course is for students to broaden their global, historical, and comparative criminal justice perspective. This is the epitome of engaged learning because students will conduct related research and th **Credits:** 3

CJ 185 - Majoring in Criminology and Criminal Justice

Introduces expectations and needs of majors, including the ebriefcase, writing standards, career options, program activities, and critical resources. **Credits:** 1

CJ 190 - Controversies in Criminal Justice

Topical issues in criminal justice are explored and discussed in the context of the political and social realities of contemporary American society. 3 Seminar. **Credits: 3**

CJ 204 - Criminal Law

The nature and definition of substantive criminal offenses; examination of federal and state law; principles of criminal liability, defenses, and complicity. **Credits: 3**

CJ 275 - Serial Killers

This course is designed to provide students with knowledge of terminology, classification systems, trends, and theories of serial killings. We will examine the history of serial killings, the pop culture surrounding serial killers, and discuss investigati **Credits: 3**

CJ 280 - Research Methods for Criminology & Criminal Justice

This is a writing-intensive course that places emphasis on the design, interpretation, and writing of criminological research.

Prerequisites: CJ 150. **Credits: 3**

CJ 290 - Introduction to Forensic Science

This course introduces the concepts and methods involved in applying scientific principles to the collection, examination, evaluation, and interpretation of evidence.

Credits: 3

CJ 305 - Social Justice and the Law

This course focuses on issues of diversity, oppression, and social justice. We will examine how social theorists conceptualize the relationship between law and society.

Credits: 3

CJ 310 - Victimology

A study of the experiences of crime victims with the criminal justice system as well as victim characteristics, vulnerability, and culpability. **Credits: 3**

CJ 311 - Juvenile Justice and Delinquency

The phenomenon of juvenile delinquency; evaluation of a unique justice system for children; related concerns, problems, and expectations. **Credits: 3**

CJ 315 - Investigative Principles

This course introduces the concepts and methods of the investigative process.

Credits: 3

CJ 320 - Police in Society

Philosophical, historical, and operational aspects of law enforcement agencies and processes within a framework of social control in a democratic society. **Credits: 3**

CJ 322 - Stress Management in Criminal Justice Professions

An examination of job-related stressors and stress management. **Prerequisites:** CJ 150. **Credits: 3**

CJ 323 - Crime Scene Investigations

A survey of methods and techniques used in the scientific investigation of criminal offenses. **Prerequisites:** CJ 150. **Credits: 3**

CJ 330 - Criminal Courts

State and federal court systems, criminal judicial process, and rights of the individual. **Credits: 3**

CJ 333 - Sports, Crime & Delinquency

This course examines a range of criminal behaviors that occur in and around sport. Drawing from a host of historical and contemporary examples, this course will explore drug use, domestic violence, match fixing, assault, and other criminal behaviors **typic Credits: 3**

CJ 340 - Institutional Corrections

Examination of modern corrections through review of penal history, theory, and practice. **Credits: 3**

CJ 342 - Myths and Media in Criminal Justice

Examines the portrayal of victims, offenders, police, courts, and corrections in all forms of media in the United States.

Credits: 3

CJ 343 - Criminal Procedure and Judicial Process

Exploration of criminal procedure highlighting constitutional limits related to search and seizures, identifications, confessions, and admissions. Included are judicial processes related to the constitution. **Credits: 3**

CJ 345 - Organized Crime

Examination of traditional and emerging organized crime groups and their impact on

society and the criminal justice field.

Credits: 3

CJ 347 - Gender & Crime

Discusses whether there are gender differences in antisocial behavior/defending, the risk factors for offending, the consequences of offending, and the treatment of offending. **Credits:** 3

CJ 351 - Violence in American Society

Theories on the causation, manifestations, prevention, and treatment of violent behavior. International, national, and regional constructs of violence are discussed. **Credits:** 3

CJ 354 - Comparative Criminal Justice Systems

The course examines systems of law, police, courts, and corrections in different countries in order to demonstrate the diversity in legal systems. **Credits:** 3

CJ 355 - Theories of Crime

Theories of law, justice, punishment, and crime causation. **Credits:** 3

CJ 356 - Crime: Relativity and Labeling

This course examines the creation of crime and continual fluctuation in prohibited behaviors across time and space (relativity of crime) and the forces that impact these shifts. The dynamics of labeling behaviors and statuses as violations on the system a **Prerequisites:** CJ 355. **Credits:** 3

CJ 358 - Computer Applications & Criminal Justice

An overview of computer applications related to the criminal justice field and their use for decision making, policy development and research. **Prerequisites:** CJ 150 or permission of instructor. **Credits:** 3

CJ 363 - Geographic Information Systems in Criminal Justice

Exploration of theory and techniques associated with collection, display, analysis, and storage of geographic information in criminal justice environments.

Prerequisites: CJ 150. **Credits:** 3

CJ 365 - Cyber Crimes

This course provides an overview of high technology crimes and the procedures used in the detection, investigation, and prosecution of technological crimes.

Prerequisites: Permission of instructor for non-majors. **Credits:** 3

CJ 370 - Ethics in Criminal Justice

Examination of ethical issues in the criminal justice field. **Credits:** 3

CJ 375 - White-Collar Crime

An examination of white-collar crimes and the criminal justice response to those crimes. **Credits:** 3

CJ 380 - Statistical Analysis for Criminology & Criminal Justice

Basic introduction to statistics in a criminal justice setting. **Prerequisites:** CJ 280. **Credits:** 3

CJ 385 - Issues in Correctional Treatment

An examination of modern corrections through a review of practices, policies, and problems. **Credits:** 3

CJ 424 - Community Corrections

Development, organization, operation, and results of probation and parole systems as substitutes for incarceration. **Credits:** 3

CJ 425 - Police Practices and Problems

Examination of the police role and law enforcement policy, police organization, personnel issues, management and operations, consolidating patrol services, and community and problem-oriented policing. **Credits:** 3

CJ 434 - Legal Liability and Criminal Justice Personnel

Theory and basic principles of liability and immunity of criminal justice personnel and agencies under both state and federal law. Also examines techniques for minimizing liability. **Prerequisites:** CJ 150. **Credits:** 3

CJ 438 - Minorities, Crime and Social Policy

Examination of theories and dynamics of ethnic minority status, racism, crime, and social policy in America. **Credits:** 3

CJ 439 - Criminal Justice Management

The administrative aspects of criminal justice practice and principles of supervision as related to the planning and procedure of police, judicial, and correctional agencies. **Prerequisites:** CJ 150. **Credits:** 3

CJ 448 - Community Policing

An examination of the theories of community policing, problem-solving models, alternative dispute resolution strategies, and police-community relationships. **Credits:** 3

CJ 460 - Drugs and Society

An examination of drugs, pharmacological classification and effects, drug abuse, the evolution of drug laws, law enforcement, and correctional responses for drug offenders. **Credits:** 3

CJ 462 - Applied Research

Lectures and assignments in applying research techniques to real world problems. **Credits:** 3

CJ 463 - Life Course Criminology

The course discusses how genetic, biological, psychological, and environmental factors increase or decrease the likelihood of antisocial behavior across the life course. The course also discusses how this information is used to create effective and level **Credits:** 3

CJ 470 - Criminal Justice Policy

Overview of the processes of policy development and policy implementation as well as analyses of the role of politics, media, and bureaucracy. **Prerequisites:** CJ 150. **Credits:** 3

CJ 475 - International Studies in Law and Society

Study abroad program at various international sites; extensive overview of the system of justice and its relationship to the cultural ethos of each country visited. **Credits:** 3, R6

CJ 480 - Independent Study in Criminology & Criminal Justice

Directed independent study in criminal justice. **Prerequisites:** Junior Standing, minimum 3.00 GPA, permission of instructor, and permission of department head. **Credits:** 1-3, R6

CJ 483 - Internship in Criminal Justice

Supervised applications of academic study in a practical criminal justice setting. 135 internship hours are required per three hours of credit. Six hours of credit are given as CJ electives; an additional six hours may be given as general elective credit. **Prerequisites:** Criminal Justice major with

Junior Standing and permission of instructor. **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:** Criminal Justice major with Senior Standing. **Credits:** 3

Construction Management

CM 121 - Introduction to Construction

A survey of the construction industry to include history, career opportunities, types of construction, differences in office and jobsite working conditions, expectations, and vocabulary. **Credits:** 3

CM 131 - 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. **Credits:** 3

CM 142 - Construction Plan Reading

This is an introductory course designed to prepare students to identify, read, and interpret construction drawings. The course will be delivered from an applied perspective with an emphasis on understanding the processes involved in construction and inter **Credits:** 3

CM 180 - Construction Graphics and Building Information Modeling

This course is an introduction to construction graphics, sketching, and 3D modeling. Students will be introduced to operational procedures and usage of AutoCAD and Revit drafting programs that exist in construction and architecture. **Credits:** 3

CM 190 - Green Building and Sustainability

The purpose of this course is to introduce students to the intellectual life of the University through the exploration of the concepts and practices associated with sustainability and green building. In particular, these concepts will be explored through **Credits:** 3

CM 211 - Construction Methods

A study of the construction means, methods, and equipment used on construction projects. **Prerequisites:** Completion of, or concurrent enrollment in CM 121. **Credits:** 3

CM 212 - Construction Materials

Study of the behavior and physical properties of basic construction materials. Topics include: mineral aggregates, Portland cement concrete, masonry, wood, metals, and other materials. **Prerequisites:** CM 121 and (MATH 146, or MATH 153, or placement). **Corequisites:** CM 213. **Credits:** 2

CM 213 - Construction Materials Lab

Laboratory to support CM 212 Construction Materials. Laboratory testing to evaluate the properties, quality, and performance of aggregates, concrete, steel, wood, and other construction materials. **Corequisites:** CM 212. **Credits:** 1

CM 222 - Construction Surveying

Development of the surveying skills necessary on a construction jobsite with emphasis placed on the operation of instruments and accuracy of field notes. **Prerequisites:** CM 121 and (MATH 146, or MATH 153, or placement). **Corequisites:** CM 223. **Credits:** 2

CM 223 - Construction Surveying Lab

Laboratory to support CM 222 Construction Surveying. Construction surveying field exercises including the operation of levels, transits, and other surveying equipment. **Corequisites:** CM 222. **Credits:** 1

CM 231 - Construction Documents and Codes

Introduction to CSI specifications, construction documentation terminology, building codes, and the documentation process of construction projects. **Credits:** 3

CM 242 - Estimating I

Introduction to the classification of work from plans and specifications, and application of basic quantity take-off principles. **Prerequisites:** CM 121 and (MATH 146, or MATH 153, or placement). **Credits:** 3

CM 296 - Professional Development Seminar

Course focuses on job search issues, job offers, and counter offers, evaluating job offers, resume preparation, and interview skills, and introduces community service as a life-long activity. S/U grading. **Credits:** 1

CM 312 - 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:** CM 212 and PHYS 130. **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:** Completion of, or concurrent enrollment in CM 211. **Credits:** 3

CM 342 - Estimating II and Bidding

Pricing of materials, labor, equipment, overhead costs, and profit margins will be calculated to produce an estimate. A practice bid scenario will also be introduced. **Prerequisites:** CM 242. **Credits:** 3

CM 362 - Construction Planning and Scheduling

A course using construction scheduling software with plans and specifications will be used in planning a construction project from start to finish. **Prerequisites:** CM 342. **Credits:** 3

CM 365 - Construction & Culture

The purpose of this course is to broaden the student's awareness of the significance of construction globally (Liberal Studies P6). **Credits:** 3

CM 375 - Mechanical and Electrical Construction

An introduction to the basics of mechanical, electrical, plumbing, and fire protection systems (MEP) in construction. This includes the installation of systems and resources necessary. 2 Lecture, 2 Lab. **Prerequisites:** CM 121. **Credits:** 3

CM 389 - Cooperative Education in Construction

See Cooperative Education program. **Prerequisites:** Permission of instructor. **Credits:** 1-3, 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. **Credits:** 3

CM 393 - Topics in Construction Management

Topics in Construction Management. **Prerequisites:** Construction Management major or permission of instructor. **Credits:** 1-3, R9

CM 401 - Construction Temporary Structures

Introductory course covering temporary structural supports, formwork, and concrete. Areas of concentration include steel, timber, concrete, and masonry. **Prerequisites:** CM 312. **Credits:** 3

CM 402 - Construction Financial Management

Financial management of construction companies, using analysis of financial statements, budgeting cash flow, and cost code reporting. **Prerequisites:** ACCT 251. **Credits:** 3

CM 424 - Facilities Management

Facility management encompasses multiple disciplines to ensure the functionality of the built environment by integrating people, places, processes, and technology. This course provides an overview of the principal duties of a facility manager and core com **Credits:** 3

CM 425 - Mechanical and Electrical Construction

An introduction to the basics of mechanical, electrical, plumbing, and fire protection systems (MEP) in construction. This includes the installation of systems and resources necessary. **Prerequisites:** CM 121. **Credits:** 3

CM 430 - Construction Legal Aspects

An overview of standard construction contracts traditionally used between contractors, owners, design professionals, and subcontractors from a general contractor's point of view. **Prerequisites:** LAW 230. **Credits:** 3

CM 431 - Construction Project Management

The study of construction procedures and administration process using the latest construction management technologies and methods to explain typical project management functions and documentation. **Prerequisites:** Junior or Senior Standing. **Corequisites:** CM 362. **Credits:** 3

CM 452 - Construction Capstone Project

Simulation of a general contracting construction company obtaining work through the estimating, bidding, scheduling, and cash flow projections process using plans and specifications. **Corequisites:** CM 431. **Credits:** 3

CM 461 - Land Development I

This course introduces and develops the student's knowledge of land development feasibility and site analysis, conceptual design, planning, environmental regulations, and construction. **Credits:** 3

CM 480 - Independent Study

Independent Study. **Prerequisites:** Construction Management major and permission of instructor. **Credits:** 1-3, R6

CM 483 - Applied and Engaged Internship in Construction

A supervised, integrated, applied, and engaged summer work experience of 400 hours in the construction industry as approved in advance. S/U grading.

Prerequisites: Construction Management major. **Credits:** 2

Communication

COMM 190 - A User's Guide to the Mass Media

Analysis of the practical, theoretical, historical, social, and cultural contexts of mass media, the techniques they use, and the impact of those techniques. 3 Seminar. **Credits:** 3

COMM 199 - Leadership Communication

This course explores leadership as a communication-based endeavor through both theoretical and applied lenses. Students will be expected to both know and do. In addition to reviewing different approaches to leadership, this course will explore issues of d **Credits:** 3

COMM 201 - Foundations of Communication

Basic principles of communication skills and theory in interpersonal, small group, and

public communication (Liberal Studies C3).

Credits: 3

COMM 204 - Desktop Publishing

The use of personal computers and peripherals to produce publications and promotional materials. **Credits:** 3, R6

COMM 215 - Organizational Communication

Channels of oral communication in complex organizations and organizational influences on communication. **Credits:** 3

COMM 240 - Writing for Communication

Review of writing principles and fundamentals; identifying elements of news and news values; familiarization with styles used in journalism, broadcasting, advertising, and public relations.

Prerequisites: ENGL 101. **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 of 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 public. **Credits:** 3

COMM 283 - Radio Practicum I

Practical experiences in radio station operations at WWCU FM. **Prerequisites:** Communication major. **Credits:** 3

COMM 284 - Television Practicum I

Practical experiences in television production. Meets one hour per week with 75 hours of television studio or location activity required for the semester.

Prerequisites: COMM 255. **Credits:** 3

COMM 296 - Introduction to Professional Development

Introductory professional development course for students interested in careers in

the increasingly competitive communications industry. **Prerequisites:**

Communication majors and minors, or permission of department head. **Credits:** 3

COMM 301 - Interpersonal Communication

Basic theory and skills in interpersonal communication including gender, nonverbal, listening, and interviewing skills. **Credits:** 3

COMM 302 - Reporting of Public Affairs

Advanced reporting course on selected public affairs topics. **Prerequisites:** COMM 240. **Credits:** 3, R6

COMM 303 - Public Relations Writing

Writing persuasive messages for selected audiences in public relations. **Prerequisites:** COMM 204 and COMM 240. **Credits:** 3

COMM 304 - Magazine and Feature Writing

Writing feature material for newspapers and magazines. **Prerequisites:** COMM 240. **Credits:** 3

COMM 305 - Sports Writing

Fundamentals of sports reporting for print media. **Prerequisites:** COMM 240. **Credits:** 3

COMM 307 - Advertising Writing

Writing advertising messages for the media. **Prerequisites:** COMM 240. **Credits:** 3

COMM 312 - Small Group & Team Communication

Techniques for participation in small groups, roles of group leader and participant, and practice in problem-solving deliberation. **Credits:** 3

COMM 313 - Conflict Resolution

Overview of the theories and applied techniques of conflict resolution; emphasis on acquiring specific conflict resolution skills in group, interpersonal, organizational, and intercultural contexts. **Credits:** 3

COMM 325 - Health Communication

Focus on aspects of interpersonal, organizational, and mass communication in health care settings. Topics include relevant communication theory and contemporary social issues affecting communication within a health context. **Credits:** 3

COMM 330 - News Reporting I

Journalistic style writing for cross-platform news reporting in a digital journalism environment. **Prerequisites:** COMM 240.

Credits: 3

COMM 345 - Public and Mediated Speaking

Principles of public communication skills as related to professional and mediated speaking. **Prerequisites:** COMM 201 or equivalent, and ENGL 202. **Credits:** 3

COMM 346 - Communications Ethics and Responsibilities

The legal and moral responsibilities of communicators in the communication industry. **Credits:** 3

COMM 350 - Communication Theory and Criticism

Survey of theoretical genres used across communication disciplines. **Credits:** 3

COMM 352 - Writing for Broadcast

Writing commercials, public-service announcements, station promotions, and short educational/entertainment features for radio and television. **Prerequisites:** COMM 240 and COMM 255. **Credits:** 3, R6

COMM 354 - Radio Production II

Advanced course in digital audio production for the radio broadcasting industry including multi-track commercial and programming element production. **Prerequisites:** COMM 254. **Credits:** 3

COMM 355 - Television Production II

Continuation of COMM 255 with emphasis on production, editing, and related technical/ creative skills. Minimum of 30 hours lab time per semester required. **Prerequisites:** COMM 255. **Credits:** 3

COMM 365 - Public Relations Case Studies

Analysis and critique of the theories, strategies, and factors used in classic and contemporary public relations campaigns and programs. **Prerequisites:** COMM 260 or COMM 325. **Credits:** 3

COMM 375 - Communication in Family and Close Relationships

This course provides a broad overview of communication theories and issues found in close relationships, marriage, and family, and how those relationships are affected

specifically by concerns and situations related to a health context. Topics include rel **Credits:** 3

COMM 380 - Social Media Communication Campaigns

Designing, publishing, managing, and analyzing social media and digital communication campaigns across multiple platforms at the same time. Conducting, monitoring, and analytic activities of social media campaigns. **Credits:** 3

COMM 383 - Radio Practicum II

Advanced experiences in radio station operations at WWCU FM. **Prerequisites:** COMM 283, Communication majors and minors, and 2.75 overall GPA; or permission of department head. **Credits:** 3

COMM 384 - Television Practicum II

Advanced practical experiences in studio and location television production. **Prerequisites:** COMM 284. **Credits:** 3

COMM 385 - News Practicum I

Editing, writing, and producing news content for use in the on-campus news outlet(s). Content may include written/audio/video components. Meets 1 hour per week with 75 hours of news gathering and publishing activity required for the semester. **Prerequisites:** COMM 240 and COMM 330. **Credits:** 3

COMM 400 - Crisis Communications

Application of theories and best practices to help organizations communicate effectively before, during and after a crisis. Focus on both internal and external relationships and messaging, the importance of a Crisis Communication Plan, and opportunity and **Credits:** 3

COMM 403 - Communication Research Methods

Designed as a survey of contemporary methods used for research in communication. Discussion with focus on methods for collecting both quantitative and qualitative data including surveys, focus groups, interviewing, and other observational methods. The cou **Credits:** 3

COMM 412 - Sex, Sexuality, and Health Communication

How individuals and groups communicate about sex and sexuality-whether it is for information seeking purposes, to express

sexual identity, to communicate physical and/or emotional needs and desires, or to advocate for one's sexual health-is an important a **Credits:** 3

COMM 414 - Gender Communication

An examination of the communication behavior of women and men in different contexts; existing communication differences dealing with self-perception, information processing, verbal and nonverbal coding, and 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 (Liberal Studies P6). **Credits:** 3

COMM 416 - Communication Training and Development

This course provides an introduction to the theory, methods, and techniques of communication training and development. **Prerequisites:** COMM 301, COMM 345, and six hours of organizational or human communication classes. **Credits:** 3

COMM 417 - Advanced Professional Speaking

Advanced principles of public communication skills as related to professional speaking. **Prerequisites:** COMM 345. **Credits:** 3

COMM 430 - News Reporting II

Finding sources of information, developing interview techniques, and writing news for digital journalism; emphasis on completing tasks under deadline conditions. **Prerequisites:** COMM 330. **Credits:** 3

COMM 431 - International Reporting

International Reporting is a hands-on journalism course focusing on international topics. Students will produce and write stories reporting on issues of global importance while targeting a US audience. The course includes personal interactions with journa **Credits:** 3

COMM 455 - Documentary Production

This documentary video production workshop emphasizes nonfiction field production. The workshop combines theory, history, and practice. Hands-on

demonstrations, screenings, readings, lectures, and discussions prepare students to produce a documentary vide

Prerequisites: COMM 355. **Credits:** 3

COMM 458 - Broadcast Sales and Promotion

Introduction to the skills involved in marketing and selling broadcast time and promotions. The course includes the opportunity for professional radio marketing certification. **Prerequisites:** COMM 254 or COMM 255. **Credits:** 3

COMM 460 - Public Relations Campaigns

Identification and analysis of organizational publics, the development of specific communication strategies to influence those publics, and the implementation and evaluation of those communication strategies. **Prerequisites:** COMM 303 and COMM 365. In addition, Health Communication Concentration students: COMM 325; Public Relations Concentration students: COMM 204 and COMM 260. **Credits:** 3

COMM 483 - Internship in Communications

Work experience in the communication industry. S/U grading. **Prerequisites:** Completed 90 hours. **Credits:** 3, R9

COMM 493 - Selected Topics in Communication

Study in a special area of interest in communication. **Credits:** 3, R9

COMM 494 - Communication Projects

Practical experience, performance, or research in the fields of broadcasting, broadcast sales, journalism, public relations, or related areas. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

COMM 496 - Seminar in Professional Development

The development and evaluation of professional credentials for entry into the communication industry. **Prerequisites:** COMM 296. **Credits:** 1

Counseling

COUN 140 - Skills for College Life

Academic, procedural, and social elements for success in college and beyond. 1 Lecture, 1 Lab. **Credits:** 1

COUN 325 - Survey of Human Development

The life span, prenatal through death; the social, emotional, cognitive, moral, and physical characteristics of each stage.

Credits: 3

COUN 430 - Listening and Facilitation Skills

Principles and techniques of counseling and the helping professions with focus on listening and group facilitation skills, self-awareness, and interpersonal communication. **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 150 - Problem Solving and Programming I

Problem solving and algorithm development using an object-based programming language: classes, selection, iteration, arrays, and generic classes. 3 Lecture, 2 Lab. **Prerequisites:** MATH 130 or math placement. **Credits:** 4

CS 151 - Problem Solving and Programming II

Object-oriented program development and elementary data structures: pointers and dynamic allocation, generic classes and inheritance, recursion, linked lists, stacks, and queues. 3 Lecture, 2 Lab. **Prerequisites:** A grade of C or better in CS 150, and the completion of, or concurrent enrollment in MATH 146, or MATH 153, or MATH 255. **Credits:** 4

CS 191 - How Does Software Work?

We all use software every day. Learn how to write in a programming language and reflect on how computer software is influencing your life. **Credits:** 3

CS 210 - Internet Security and Ethics

Types of Internet-based attacks, countermeasures, and the ethical issues that arise. Hacking, viruses, worms, spam, identity theft, cryptography, intellectual property, and software piracy (Liberal Studies P4). **Credits:** 3

CS 253 - Software Development

Techniques for design and construction of reliable, maintainable, and useful software systems. Software development methodologies and object-oriented design

for medium and large projects.

Prerequisites: A grade of C or better in CS 151. **Credits:** 3

CS 260 - Computer Organization

Introduction to computer arithmetic, processor organization and design, microprogramming and control unit design, memory organization, I/O organization.

Prerequisites: The completion of, or concurrent enrollment in CS 253. **Credits:** 3

CS 321 - Contest Preparation

Review of algorithm design techniques and practice solving programming problems using those techniques. **Prerequisites:** CS 151. **Credits:** 1, R2

CS 351 - Data Structures and Algorithms

Advanced data structures and algorithms, execution time, recursion, sorting, searching, graphs, trees, hash tables, design techniques, and mathematics for algorithm analysis. **Prerequisites:** The completion of, or concurrent enrollment in both CS 253 and MATH 255. **Credits:** 4

CS 352 - Organization of Programming Languages

Language processors, data and data control, operations, sequence control, storage management, operating environment, syntax, and translation. **Prerequisites:** Completion of, or concurrent enrollment in both CS 253 and MATH 255. **Credits:** 3

CS 353 - Professional Ethics in Computing

Social and ethical issues of computing: privacy, computer reliability, freedom of speech, intellectual property, computer crime, and professionalism. **Prerequisites:** CS 351. **Credits:** 2

CS 364 - 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: A grade of C or better in CS 253. **Credits:** 3

CS 370 - Operating Systems

Concurrency (synchronization primitives and deadlock) and implementation of the operating system kernel (Process management, memory management, and file systems); introduction to computer

networks. **Prerequisites:** Completion of, or concurrent enrollment in CS 352. **Credits:** 3

CS 389 - Cooperative Education in Computing

See Cooperative Education Program.

Prerequisites: CS 253. **Credits:** 1 or 3, R15

CS 393 - Topics in Computer Science

Topics in Computer Science. **Prerequisites:** CS 151. **Credits:** 1-3, R6

CS 453 - Database Systems

Relational data model and SQL, design of scalable, data-intensive systems (schemas, indexes, views, query optimization, transactions), alternative data models, and query languages. **Prerequisites:** CS 253.

Credits: 3

CS 461 - Computer Graphics

Graphics system architecture; the biological basis of human viewing; primitives, color, and interaction; two-dimensional and three-dimensional object construction and transformation; projection types; and lighting. **Corequisites:** CS 253. **Credits:** 3

CS 462 - Linux Tools

Linux tools; shell scripting; program development tools; process controls; Introduction to an advanced scripting language (i.e., PHP, Perl, or Python).

Prerequisites: Completion of, or concurrent enrollment in CS 253. **Credits:** 3

CS 465 - Computer Networking

Protocol layers, error control, media access, routing, congestion control, TCP/IP, name resolution, socket programming, client-server, interface definition languages, and component APIs. **Prerequisites:** CS 253.

Credits: 3

CS 466 - Information Security I

Cryptography; confidentiality, integrity, and availability; authentication and authorization; access control; risk, threats, and vulnerabilities; cryptanalysis; defensive programming. **Prerequisites:** Completion of, or concurrent enrollment in CS 465.

Credits: 3

CS 467 - Mobile Application Development

Topics include tools and techniques for mobile application development; resource-constrained software development; accessing device resources (sensors, maps);

mobile networking. **Prerequisites:** CS 253. **Credits:** 3

CS 472 - Artificial Intelligence

The design of intelligent computer systems: Problem-solving, reasoning, decision-making, and learning and on their logical and probabilistic foundations.

Prerequisites: CS 253 and (MATH 270 or MATH 370). **Credits:** 3

CS 475 - Cloud Computing

This course will include an in-depth, hands-on exposure to how applications are created and deployed in modern public cloud computing environments. The course will cover fundamental concepts in distributed systems including distributed clocks, consistency **Prerequisites:** CS 351.

Credits: 3

CS 493 - Topics in Computer Science

Topics in Computer Science. **Prerequisites:** CS 151. **Credits:** 1-6, R6

CS 495 - Capstone I

A seminar in which the student starts the capstone project and the capstone portfolio. **Prerequisites:** A grade of C or better in both CS 253 and CS 351, Computer Science major, and completed 70 hours.

Credits: 2

CS 496 - Capstone II

A seminar in which the student completes the capstone project and the capstone portfolio. **Prerequisites:** CS 495. **Credits:** 2

CSD 270 - Introduction to Communication Disorders

Overview of speech-language-hearing disorders in children and adults. **Credits:** 3

CSD 272 - Professional Writing in CSD

Writing scientific and professional papers following the grammar, style, and format guidelines approved by the American Psychological Association (APA), thus preparing the student for continued study of and practice in communication sciences and disorders **Prerequisites:** CSD 270.

Credits: 3

CSD 301 - Speech and Language Development

Speech and language development in normal children; survey of procedures and tools used to study language development

and acquisition. **Prerequisites:** CSD 270 or equivalent. **Credits:** 3

CSD 370 - Phonetics

Study of sound feature production; phonetic transcription. **Prerequisites:** CSD 270 or equivalent. **Credits:** 3

CSD 372 - Acoustics and Speech Science

Principles and concepts in speech production and perception; techniques for acoustic analysis. **Credits:** 3

CSD 380 - Anatomy and Physiology of the Speech Mechanism

Study of the anatomic structures involved in speech and their function in the speech process. **Prerequisites:** CSD 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. **Prerequisites:** CSD 450. **Credits:** 3

CSD 450 - Introduction to Audiology

Fundamentals of audiology; the physics of sound and its measurement; aural anatomy, physiology, etiology, and pathology. **Prerequisites:** CSD 372 or equivalent. **Credits:** 3

CSD 451 - Introduction to Sign Language I

An introduction to sign. Basic vocabulary (expressive and receptive) and cultural information. **Credits:** 3

CSD 452 - Introduction to Sign Language II

A continuation of introduction to sign language. Additional vocabulary (expressive and receptive) and cultural information. **Prerequisites:** CSD 451 or equivalent. **Credits:** 3

CSD 464 - Diversity, Equity, Inclusion, and Justice in CSD

CSD 464 focuses on multicultural issues in speech language pathology and audiology. Initially students explore their own cultural values and biases that will inform their own future practice with culturally- and linguistically-diverse (CLD) clients and pa **Prerequisites:** CSD 301. **Credits:** 3

CSD 470 - Speech-Language Disorders in Adults

A survey course of communication and swallowing disorders in adults following brain injury. **Prerequisites:** CSD 301, CSD 370, CSD 372, and CSD 380; or permission from instructor. **Credits:** 3

CSD 472 - Aural Rehabilitation

Acoustic and visual components of speech; amplification and training procedures.

Prerequisites: CSD 301, CSD 370, CSD 372, and CSD 450; or permission of instructor. **Credits:** 3

CSD 477 - Speech-Language Disorders in Children

Analysis of childhood language and speech disorders; evaluation and implementation of treatment approaches. **Prerequisites:** CSD 301, CSD 370, CSD 372, and CSD 380. **Credits:** 3

CSD 478 - Fluency and Voice Disorders

A survey of theory, assessment, and treatment of fluency disorders and voice disorders in children and adults.

Prerequisites: CSD 301, CSD 370, CSD 372, and CSD 380; or permission of instructor. **Credits:** 3

CSD 479 - The Clinical Process

Orientation to the roles and responsibilities of clinicians in the practice of speech-language pathology and audiology. **Prerequisites:** CSD 301, CSD 370, CSD 372, CSD 380, and CSD 450; or permission of instructor. **Credits:** 3

Dance

DA 253 - Social/Ballroom Dance

Basic steps involved in popular social and ballroom dances. 2 Studio. **Credits:** 1

DA 255 - Tap I

Beginning tap rhythms with emphasis on vocabulary and execution. 2.5 Studio.

Prerequisites: DA 261 or permission of instructor. **Credits:** 2

DA 257 - Dance Performance

Student involvement in a departmentally sponsored production. S/U grading. 3 Studio. **Prerequisites:** Permission of instructor. **Credits:** 1, R3

DA 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 (Liberal Studies P5). **Credits:** 3

DA 260 - Anatomy for Dance

Anatomy/biomechanics as it applies to dance techniques culminating in an individualized conditioning program to improve muscular/cardiovascular strength and range of motion/flexibility. 2 Lecture, 1 Studio. **Credits:** 2

DA 261 - Ballet I

Beginner/Intermediate ballet technique. 3 Studio. **Prerequisites:** Permission of instructor. **Credits:** 2, R4

DA 262 - Modern I

Beginning modern dance technique. 3 Studio. **Prerequisites:** Permission of instructor. **Credits:** 2, R4

DA 264 - Jazz I

Beginning techniques and style involved in jazz dance. 3 Studio. **Prerequisites:** Permission of instructor. **Credits:** 2, R4

DA 265 - Musical Theatre Styles

Survey of historical trends in American Musical Theatre through choreography. **Prerequisites:** DA 255, DA 261, and DA 264; or permission of instructor. **Credits:** 2, R4

DA 301 - Dance Choreography

Applications of dance technique in creative composition. Involves various types of dance. 1 Lecture, 2 Studio. **Credits:** 2

DA 303 - Ballet II

Intermediate/advanced ballet technique. Progressive and continuous perfecting of more advanced skills in ballet technique. 3 Studio. **Prerequisites:** DA 261 or permission of instructor. **Credits:** 2, R4

DA 304 - Modern II

Intermediate/advanced technique. 3 Studio. **Prerequisites:** DA 262 or permission of instructor. **Credits:** 2, R4

DA 305 - Jazz II

Intermediate/advanced jazz technique. 3 Studio. **Prerequisites:** DA 261 and DA 264, or permission of instructor. **Credits:** 2, R4

DA 306 - Tap II

Intermediate/advanced tap rhythms. Progressive and continuous perfecting of the tap dance technique. 3 Studio.

Prerequisites: DA 255 or permission of instructor. **Credits:** 2, R4

DA 402 - Musical Theatre Song & Dance

Applications of dance and movement concepts in relation to solo musical theatre song performance. **Prerequisites:** DA 255, DA 261, DA 264, THEA 106, and THEA 206; or permission of instructor. **Credits:** 2

DA 403 - Ballet III

Advanced ballet technique. Progressive and continuous perfecting of advanced skills in ballet technique. Additional survey of both classical and contemporary style.

Prerequisites: DA 303 or permission of instructor. **Credits:** 2

DA 493 - Special Topics in Dance

Study in a special area of interest in dance. **Credits:** 1-3

Electrical and Computer Engineering Technology**ECET 211 - Electronic Drafting and Fabrication**

Electronic drafting and graphics; design, assembly, and fabrication of electronic circuits and equipment. 2 Lecture, 2 Lab. **Credits:** 3

ECET 221 - Digital Integrated Circuits Laboratory

Introduction to digital laboratory equipment and techniques; logic design and implementation process; discrete and complex digital components. **Corequisites:** EE 221. **Credits:** 1

ECET 231 - Circuit Analysis I

Fundamental electrical theory involving DC circuits. Topics include series, parallel, and series-parallel networks; methods of circuit analysis and network theorems; electrical instrumentation and computer analysis tools used in performing laboratory exp **Prerequisites:** Completion of, or concurrent enrollment in MATH 146. **Credits:** 4

ECET 242 - Electronic Circuits

Study of analog electronic circuits including amplifiers, regulators, and special applications. Both discrete semiconductor devices and integrated circuits are covered. 3 Lecture, 2 Lab. **Prerequisites:** A grade of C or better in ECET 231. **Credits:** 4

ECET 290 - Computer Engineering Fundamentals

An introductory course in the study of computer engineering technology. Operating systems, CPU, memory, networking, user interfacing, programming, and basic signal processing and associated hardware. 2 Lecture, 2 Lab. **Credits:** 3

ECET 301 - Electrical Systems

Direct current and alternating current electricity. Topics include Ohm's Law, series, parallel and series-parallel circuits, transformers, and measurement techniques. Not open to ECET majors. 2 Lecture, 2 Lab. **Prerequisites:** MATH 146. **Credits:** 3

ECET 312 - Electronic Communication Fundamentals

Fundamental principles of communications theory including spectrum analysis, noise, and modulation techniques. 3 Lecture, 2 Lab. **Prerequisites:** A grade of C or better in both ECET 321 and MATH 153, and the completion of ECET 242. **Credits:** 4

ECET 321 - Circuit Analysis II

Fundamentals of DC/AC circuits. Topics include AC series, parallel, series-parallel circuits; analysis techniques; network theorems; resonance, and transformers. 3 Lecture, 2 Lab. **Prerequisites:** A grade of C or better in ECET 231; and completion of, or concurrent enrollment in MATH 146. **Credits:** 4

ECET 331 - Digital Integrated Circuits

Study of combinational and sequential digital circuits using integrated circuit techniques. 2 Lecture, 2 Lab, 2 Recitation. **Credits:** 4

ECET 332 - Microcontrollers

Study of contemporary eight-bit microcontrollers. Microcontroller architecture, programming, and interfacing. 3 Lecture, 2 Lab. **Prerequisites:** A grade of C or better in both ECET 321 and MATH 153, and completion of EE 200 or EE 221. **Credits:** 4

ECET 341 - Advanced Circuit Analysis

Study of linear systems; introduction to digital signal processing. **Prerequisites:** A grade of C or better in both ECET 321 and MATH 153; and completion of, or concurrent enrollment in MATH 255. **Credits:** 3

ECET 431 - Microcontroller Interfacing

Study of microcontroller fundamentals including basic hardware architecture, instruction sets, registers, peripheral interfacing, basics of assembly language, and high-level programming. 3 Lecture, 2 Lab. **Prerequisites:** ECET 332. **Credits:** 4

ECET 446 - Modern Power Systems Analysis

Power transmission and distribution network architecture and composition; load flow studies; symmetrical components; parameters and equivalent circuits. A term project will be required. Contact Hours: 3 Lecture, 2 Lab. **Prerequisites:** ECET 242 and ECET 321. **Credits:** 4

ECET 452 - Control Systems

Fundamental principles of control theory and instrumentation with particular applications in manufacturing processes. 3 Lecture, 2 Lab. **Prerequisites:** ECET 341. **Credits:** 4

ECET 461 - Digital Signal Processing

An introduction to digital signals and systems. The topics for this course will include sampling, aliasing, Shannon-Nyquist Theorem, quantization, z-transforms, and Fourier transforms. Additionally, FIR and IIR digital systems design will be covered. 2 **Prerequisites:** A grade of C or better in MATH 255, and the completion of ECET 341. **Credits:** 3

ECET 464 - Instrumentation

Data acquisition using virtual instruments. Sensors, transducers, and signal conditioning used in the measurement of physical parameters. 3 Lecture, 2 Lab. **Prerequisites:** ECET 332. **Credits:** 4

ECET 493 - Special Topics

Special Topics. **Prerequisites:** 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 (Liberal Studies 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 (Liberal Studies P1).

Credits: 3

ECON 302 - Managerial Economics

The price mechanism and allocation of resources under competition, monopoly, and imperfect competition; applications to decision making. **Prerequisites:** ECON 231.

Credits: 3

ECON 303 - Monetary and International Economics

Role of money in the economy, central banks and monetary policy, interest rate determination, stock market behavior, trade theory, exchange rates, and international currency markets.

Prerequisites: ECON 232. **Credits:** 3

ECON 304 - Econometrics

Evaluation of business indicators; techniques for analyzing current business conditions and forecasting changes in levels of national economic activity. **Prerequisites:** ECON 231 and (MATH 170 or QA 235).

Credits: 3

ECON 305 - Public Economics

Economic analysis of government including taxation, expenditures, and decision-making. **Prerequisites:** ECON 231. **Credits:** 3

ECON 307 - Regional Economic Analysis

Regional structure and growth; location theory, interregional income theory, factor mobility; public policy for regional development. **Prerequisites:** ECON 231 or ECON 232. **Credits:** 3

ECON 310 - Natural Resource Economics

Economic policy regarding renewable and nonrenewable resources; environmental and energy economics. **Prerequisites:** ECON 231 or ECON 232. **Credits:** 3

ECON 321 - Intermediate Microeconomics

Consumer behavior and the theory of the firm, introduction to consumer and producer surplus, and study of decision-making by voters and policy makers.

Prerequisites: ECON 231. **Credits:** 3

ECON 322 - Intermediate Macroeconomics

Economic growth and economic business cycles; roles of fiscal and monetary policy.

Prerequisites: ECON 232. **Credits:** 3

ECON 344 - Ethics of Capitalism

Compares ethical, political, and economic implications of alternative economic system, especially various forms of capitalism and socialism (Liberal Studies P4). **Credits:** 3

ECON 354 - Health Economics

Economics used to analyze the health care system and participants, demand for care, health insurance markets, government health insurance programs, health care reform, competition, and regulation.

Credits: 3

ECON 389 - Cooperative Education in Economics

See Cooperative Education Program.

Credits: 1-3, R15

ECON 393 - Topics in Economics

A course designed for special topics, areas of interest, or relevancy to the field and not covered in the program's curriculum.

Prerequisites: College of Business requirement of completed 45 hours for 300-/400- level courses. **Credits:** 1-3, R6

ECON 403 - Development of Economic Ideas

Ideas of the great economists; great debates in economics. **Prerequisites:** ECON 302. **Credits:** 3

ECON 404 - Research Methods in Economics

Exploration of research methods in economics including developing research questions and economic methods of research. **Prerequisites:** ECON 231, ECON 232, and (MATH 170 or QA 235). **Credits:** 3

ECON 406 - International Trade

Determinants and consequences of the flow of goods, savings, and investments from one country to another. **Prerequisites:** ECON 232. **Credits:** 3

ECON 420 - Sport Economics

Economic models, techniques, and applications related to sports.

Prerequisites: ECON 231. **Credits:** 3

ECON 480 - Independent Research

Independent Research. **Prerequisites:** Permission of department head. **Credits:** 3

ECON 483 - Internship in Business Economics

Work experience in business economics. Minimum of 10 hours per week. S/U grading. **Prerequisites:** Junior Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 3, R9

ECON 484 - Internship in Business Economics

Work experience in business economics. Minimum of 10 hours per week. S/U grading. **Prerequisites:** Junior Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 3, R9

ECON 485 - Internship in Business Economics

Work experience in business economics. S/U grading. Minimum of 10 hours per week. **Prerequisites:** Junior Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 3, R9

ECON 493 - Topics in Economics

Topics in Economics. **Prerequisites:** Permission of department head. **Credits:** 1-3, R6

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 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 305 - Global Educational Systems

The examination of methods, major concepts, and current historical, economic, social, political, ethnic, and religious trends as they relate to education around the world (Liberal Studies P6). **Credits:** 3

EDCI 360 - Social Justice in Education

This course focuses on a critical exploration of the intersectionality of cultural diversity and social justice (including but not restricted to constructs of race, ethnicity, social class, gender, religion, sexual orientation, differing abilities) in the **Prerequisites:** A grade of C or higher in either SJ 275 or PRM 275. **Credits:** 3

EDCI 404 - Curricular Trends and Issues in Education

Explores newest curricular methods, topics, and issues; and relates these to the work of Jamaican teachers. **Credits:** 3

EDCI 413 - Teacher Leadership in Jamaica

This course compares the leadership responsibilities of Jamaican teachers with those of teachers in America. **Credits:** 3

EDCI 430 - Culturally Relevant Classroom Management

With a focus on understanding and knowing how to apply culturally responsive classroom management practices, this course will assist students in developing caring student-teacher relationships; student belonging, agency, and self-efficacy; and positive, e **Prerequisites:** Admission to Teacher Education. **Credits:** 3

EDCI 480 - Reading and Research in Education

Reading and Research in Education. **Prerequisites:** Permission of department head. **Credits:** 3

EDCI 488 - Global Teaching and Learning Internship

The Global Teaching & Learning Internship is an optional internship experience for selected interns who complete an approved, abbreviated internship II experience to allow for a 3-5-week internship abroad with one of the College of Education and Allied **Prerequisites:** Permission of instructor. **Credits:** 1-3

Elementary Education

EDEL 311 - Elementary Curriculum

Methods, materials, and curriculum for children in elementary grades.

Prerequisites: Elementary Education major.

Corequisites: EDEL 417 and EDRD 303.

Credits: 3

EDEL 318 - Elementary/Middle Grades Mathematics

The development of mathematical concepts; programs, methods, and materials for grades K- 9. **Prerequisites:** MATH 221 and admission to the Professional Education Sequence. **Credits:** 3

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: EDEL 390 and admission to Teacher Education. **Corequisites:** EDEL 429, EDEL 446, EDRD 440, and ELMG 484.

Credits: 2

EDEL 390 - Practicum I

Supervised participation in a public-school classroom (six hours per week), guided by a seminar focusing on appropriate instructional approaches, assessments, and dispositions for elementary and inclusive education teacher candidates.

Prerequisites: EDEL 311 or SPED 312, and admission to Teacher Education.

Corequisites: EDEL 415, EDEL 416, EDEL 428, and EDRD 420. **Credits:** 3

EDEL 415 - Language Arts Methods for Grades K-6

Teaching methods, materials, and curriculum development in the language arts, grades K-6, with emphasis on fostering written and digital communication.

Prerequisites: EDEL 311 or SPED 312.

Corequisites: EDEL 390. **Credits:** 3

EDEL 416 - Science Methods for Grade K-6

Teaching methods and curricular development in science, grades K-6; materials and teaching strategies.

Prerequisites: EDEL 311 or SPED 312.

Corequisites: EDEL 390. **Credits:** 3

EDEL 417 - Social Studies Methods for Grades K-6

Methods, materials, and strategies for teaching social studies in grades K-6.

Prerequisites: Elementary Education major or Inclusive Education Major. **Credits:** 3

EDEL 428 - Mathematics Methods 1 for Grades K-6

The development of mathematical concepts: program, methods, and materials for number sense and algebraic reasoning for grades K-6. **Prerequisites:** EDEL 311 or SPED 312. **Corequisites:** EDEL 390. **Credits:** 3

EDEL 429 - Mathematics Methods 2 for Grades K-6

The development of mathematical concepts: program, methods, and materials for geometry, measurement, and data for grades K-6. **Prerequisites:** EDEL 390.

Credits: 3

EDEL 446 - Digital Literacy Methods for Grades K-6

The study and use of the forms of digital literacy in school and professional settings; emphasis on instructional applications, issues, and trends. **Prerequisites:** EDEL 390.

Credits: 3

EDEL 465 - Teaching the Child in Crisis

Exploration of crisis situations to improve teacher competency; methods for dealing with the child in crisis at various developmental levels. **Credits:** 3

EDEL 470 - Early Childhood Curriculum

Materials, environments, and interactions for two-to-five-year-olds in all curricular areas including thinking and social problem-solving for children with and without disabilities. This course is cross-listed with BK 470 and SPED 470. 2 Lecture, 3 Lab.

Credits: 3

EDEL 476 - Guiding Children's Behavior and Managing Classrooms

Methods for managing classrooms and helping students from kindergarten to grade 9 develop self-discipline.

Corequisites: EDEL 490. **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 483. 5 days/week, full-time. **Corequisites:** BK 496.

Credits: 5, R20

EDEL 488 - Internship II

Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. **Credits:** 9

EDEL 490 - Supervised Student Teaching

A full-time internship under university supervision. **Corequisites:** EDEL 476.

Credits: 9

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 260 - Research Methods in
Emergency and Disaster Management**

This course introduces students to the fundamentals of social sciences and disaster research including research terminology, design, analysis, and presentation of data. **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 3

**EDM 320 - Statistical Analysis in Emergency
and Disaster Management**

The appropriate use and interpretation of data measurement and statistical methods are vitally important in various professions related to emergency and disaster response, as evidenced by the advancement of data-driven practices. See the use of probability. **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:** Completion of, or concurrent enrollment in EDM 250; or permission of instructor. **Credits:** 3

EDM 324 - Emergency Planning

Introduction to the multiple facets of emergency planning. **Prerequisites:** Completion of, or concurrent enrollment in 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:** Completion of, or concurrent enrollment in 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:** Completion of, or concurrent enrollment in 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: Completion of, or concurrent enrollment in 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:** EDM 250 or permission of instructor. **Credits:** 3

**EDM 341 - Debris/Waste Management and
Emergency and Disaster Management**

Debris and waste management is a crucial component in the emergency management cycle and is an important component in all four phases of disaster response: preparedness, mitigation, response, and recovery. A lack of an adequate debris/waste management program. **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 3

**EDM 343 - Fire Services and Emergency
and Disaster Management**

This course will analyze the fire service's role within emergency and disaster operations. This course will review response planning and a fire agency's response protocol's integration with other responding agencies. This course further examines senior. **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 3

EDM 345 - Weather and Disaster

Geological processes and weather-related events like earthquakes, volcanic eruptions, extreme heat, floods, hurricanes, lightning, tornadoes, tsunamis, droughts, and winter weather all pose risks that may warrant an emergency response. Preventing, preparing. **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 3

EDM 348 - Recovering from Disaster

When disaster strikes, a community can build back better than before or alternatively must adapt to a new normal because of limited resources to recover from disaster. This variation in recovery is the focus of this course. Communities with resources that. **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 3

**EDM 349 - Humanitarian Response and
Disaster Relief**

Since Hurricane Katrina, non-government organizations (NGOs) have played a much more active role in disaster relief and humanitarian aid. This course offers a broad perspective of the role NGOs in the disaster cycle, particularly disaster relief. This course
Prerequisites: EDM 250 or permission of instructor. **Credits:** 3

EDM 350 - Cyber Terrorism

This course investigates the role and impact of cyber terrorism, cyber-attacks, and possible countermeasures. International cyber terrorism will focus on what cyber warfare is, who initiates it, and how a nation, corporations, or individuals might prevent
Prerequisites: 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:** EDM 250 or permission of instructor. **Credits:** 3

EDM 352 - Disaster and Crime

Understanding how economic, political and social dynamics interact with disaster events to explain crime and victimization during crisis is the focus of this course. While natural or man-made disasters can cause sudden disruption to communities that often
Prerequisites: EDM 250 or permission of instructor. **Credits:** 3

EDM 355 - Stress, Personal Welfare and Emergency and Disaster Management

Preparation, response, and recovery related to a disastrous event can be very stressful to direct victims as well as first responders. This course will address some of those issues related to personal welfare and suggest what the triggers are and how those
Prerequisites: EDM 250 or permission of instructor. **Credits:** 3

EDM 356 - International Disaster and Catastrophe

International disasters generate unique concerns as they can overwhelm the capacities of entire nations. This course will explore the political, economic, and social components of international disasters and catastrophes, and how the humanitarian and professional
Prerequisites: EDM 250 or permission of instructor. **Credits:** 3

EDM 358 - Vulnerable Populations and Emergency and Disaster Management

This course is designed to critically examine the relationship between social inequality and disaster vulnerability. Special emphasis will be placed on social theories of disaster vulnerability, research examining the experiences of socially marginalized
Prerequisites: EDM 250 or permission of instructor. **Credits:** 3

EDM 360 - Asset Protection & Critical Infrastructure

Examination of economic, legal, organizational, and social infrastructure related to emergency management.
Prerequisites: EDM 250. **Credits:** 3

EDM 365 - Riots, Civil Unrest and Crowd Control

Collective behavior refers to the actions of groups, and people who study collective behavior study things like crowds, crazes, rumors, panics, riots, social movements, and revolutions. Understanding the theoretical underpinnings of how these types of collective
Prerequisites: EDM 250 or permission of instructor. **Credits:** 3

EDM 370 - Communication, Media and Emergency and Disaster Management

This course is designed to familiarize students with how media and emergency and disaster response connect. Important topics to be covered are how media (social, news, and pop culture) can be a useful tool in preparation, response, mitigation, and recovery
Prerequisites: EDM 250 or permission of instructor. **Credits:** 3

EDM 375 - Biothreat and Emergency and Disaster Management

This course will explore mass casualty/high disruption weapons as a public health threat with an emphasis on health protection and response options for community members and first responders. This course examines multi-hazard emergency response framework
Prerequisites: EDM 250 or permission of instructor. **Credits:** 3

EDM 400 - Missing Persons and Search and Rescue

This course provides an introductory examination of the topic of missing persons and search and recovery (SAR). A focus of the course is to comprehend deployment

procedures for the rescue and recovery of missing persons as well as to focus on interagency **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 3

EDM 405 - GIS and Emergency Mapping

An overview of Geographical Information Systems (GIS) and other forms of emergency mapping for mitigation, preparedness, response, and recovery. **Prerequisites:** EDM 250 or permission of the instructor. **Credits:** 3

EDM 406 - Incident Management Systems

The course will build on students' basic knowledge of incident management systems by exploring the application of and issues with the use of the incident management system in an emergency or disaster situation. **Prerequisites:** EDM 250 or permission of the instructor. **Credits:** 3

EDM 410 - Unmanned Aircraft Systems and Emergency and Disaster Management

Unmanned aircraft systems (UAS)/unmanned aerial vehicle (UAV) systems, or drones, have become potential assets in the field of emergency and disaster management and law enforcement. Many government and non-government agencies are acquiring and using these **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 3

EDM 435 - Homeland Security

Overview of relevant issues relating to the problems and practices of providing "homeland security." **Prerequisites:** 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:** EDM 250 or permission of instructor. **Credits:** 3

EDM 452 - Legal Issues in Emergency and Disaster Management

Overview of relevant federal and state statutes relating to emergency and disaster management and applicable legal concepts. **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 3

EDM 453 - Agriculture, Farm and Disaster

This course is designed to give students a unique perspective on how the agriculture,

farm, and agribusiness community prepare for, respond to, and recover from disasters. Emergency management has evolved over the past decade to look at the whole community **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 3

EDM 457 - Terrorism

Examination of the origins, evolution, dimensions, and impacts of both domestic and international terrorism. **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 3

EDM 458 - Grant Writing in Emergency and Disaster Management

To prepare, respond, mitigate, and recover from disaster, financial resources are crucial. In addition, new ideas, programs, equipment, academic studies, and the advancement of science in the EDM field is contingent upon securing grant funding. This course **Prerequisites:** 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:** EDM 250 or permission of instructor. **Credits:** 3

EDM 480 - Independent Study in Emergency and Disaster Management

Independent Study in Emergency and Disaster Management **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 1-3, R6

EDM 483 - Internship in Emergency and Disaster Management

Supervised application of academic study in a practical public safety and/or security management setting. **Prerequisites:** EDM 250 and permission of instructor. **Credits:** 3-12, R12

EDM 493 - Topics in Emergency and Disaster Management

Topics in Emergency and Disaster Management **Prerequisites:** EDM 250 or permission of instructor. **Credits:** 1-3, R12

EDM 495 - Senior Seminar in Emergency and Disaster Management

This capstone course is designed to give students a forum to apply the knowledge and skill they have acquired throughout their education to real-world situations, and to capture the learning objectives attached

to courses in the field of emergency and dis
Prerequisites: EDM 250 or permission of
instructor. **Credits:** 3

Middle Grades Education

EDMG 300 - Culturally and Linguistically Diverse Middle Grades Students

This course covers theories of culture and
language acquisition, classrooms with
culturally and linguistically diverse students,
and a range of practices for middle school
success. **Credits:** 3

EDMG 409 - Internship Seminar for Middle School Teaching

This internship seminar provides
participants with knowledge and skills to
apply to practice the major concepts,
principles, theories, and research related to
young adolescent development.

Prerequisites: EDCI 201, EDMG 300, and
admission to Teacher Education.

Corequisites: EDMG 410. **Credits:** 3

EDMG 410 - The Middle School Child and Curriculum

Programs, methods, and materials for
students in the middle grades. **Credits:** 3

EDMG 411 - Differentiated Instruction in Middle Grades Education

Exploration of diversity with respect to
ways of learning and developing strategies
for differentiating instruction in grades 6-9.

Prerequisites: Admission to the
Professional Education Sequence. **Credits:** 3

EDMG 412 - Internship Seminar for Interdisciplinary Middle Grades Methods

This course is designed to provide
participants with a broad base of
knowledge to support their efforts to
respond to the diverse instructional needs
of their students through interdisciplinary
teaching. Additionally, this course serves
middle grades lice **Prerequisites:** EDMG 409
and EDMG 410. **Corequisites:** EDMG 418.

Credits: 3

EDMG 415 - Language Arts Methods Grades 6-9

Teaching methods, materials, and
curriculum development in language arts,
grades 6-9, with emphasis on fostering
written and digital communication.

Prerequisites: Admission to the
Professional Education Sequence. **Credits:** 3

EDMG 416 - Science Methods Grades 6-9

Methods for teaching science in grades 6-9.

Prerequisites: Admission to the
Professional Education Sequence. **Credits:** 3

EDMG 417 - Social Studies Methods Grades 6-9

Methods, materials, and strategies for
teaching social studies in grades 6-9.

Prerequisites: Admission to the
Professional Education Sequence. **Credits:** 3

EDMG 418 - Interdisciplinary Methods in Middle Grades Education

This course focuses on the philosophy of
teaching middle school and the theory and
practice of designing interdisciplinary
curriculum in the middle grades using
principles of project based learning.

Prerequisites: EDMG 409 and EDMG 410.

Corequisites: EDMG 412. **Credits:** 3

EDMG 419 - Mathematics Methods Grades 6-9

The development of mathematical
concepts: program, methods, and materials
for grades 6-9. **Prerequisites:** Admission to
the Professional Education Sequence.

Credits: 3

EDMG 420 - Responsive Assessment & Classroom Management

The exploration of diversity with respect to
classroom management and assessment,
generate strategies for assessing learning,
and develop plans for responsive learning
communities. **Prerequisites:** EDMG 410,
EDMG 411, and admission to the
Professional Education Sequence. **Credits:** 3

EDMG 421 - Internship Seminar for Responsive Teaching

In this course, participants explore the
dynamics of classroom management and
assessment with a central focus on applying
what they are learning to their internships.

Prerequisites: EDMG 411 and EDMG 412.

Corequisites: ELMG 484. **Credits:** 3

EDMG 422 - Inclusive Education: Co- Teaching in the Middle School

In this course, participants explore the
dynamics of classroom management and
assessment with a central focus on applying
what they are learning to their internships.

Prerequisites: EDMG 411 and EDMG 412.

Corequisites: EDMG 420 and EDMG 421.

Credits: 3

**EDMG 466 - Digital Literacy Methods
Grades 6-9**

The study and use of the forms of digital literacy in school and professional settings; emphasis on instructional applications, issues, and trends. Only offered spring semester. **Prerequisites:** Admission to the Professional Education Sequence. **Credits:** 3

**Education and Psychology
EDPY 493 - Topics in Education and
Psychology**

Topics in Education and Psychology.
Credits: 1-3, R6

Reading

**EDRD 303 - Children's Literature for
Teaching Reading, K-6**

This introductory literacy course focuses on the use of high-quality children's literature for teaching critical literacies in inclusive and diverse K-6 classrooms. **Prerequisites:** A grade of C or better in 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:** Admission to the Professional Education Sequence. **Credits:** 2

**EDRD 335 - Content Reading for
Intermediate Grade Learners**

Research, theory, and instructional practice related to integrating reading with all subject areas; vocabulary, comprehension, study skills, and addressing the needs of diverse and struggling readers. Includes an extensive, field-based component. **Corequisites:** ELMG 484 or SPED 484. **Credits:** 3

EDRD 420 - K-6 Reading Methods

Research, theory, and instructional practices for teaching reading in grades K-6. **Prerequisites:** EDEL 311 or SPED 312. **Corequisites:** EDEL 390. **Credits:** 3

**EDRD 440 - Reading Diagnosis and
Instruction for Grades K-6**

Research, theory, and instructional practices for identifying struggling readers and implementing focused, evidence-based, explicit instruction tailored to meet the K-6 pupils' assessed reading needs. **Prerequisites:** EDEL 390 and EDRD 420. **Credits:** 3

EDRD 443 - Middle Grades Reading

Methods and materials for teaching reading and other communication skills in the middle grades; emphasis on organization for instruction, word identification and comparison skills, and reading in content materials. **Prerequisites:** Admission to the Professional Education Sequence. **Credits:** 3

EDRD 453 - High School and Adult Reading

Methods and materials for teaching reading in high school and adult education. **Prerequisites:** EDRD 443. **Credits:** 3

EDRD 467 - Adolescent Literature

The reading development and reading interests of adolescents; criteria for evaluation; instructional strategies; study of a wide range of books. **Credits:** 3

**EDRD 474 - Practicum in Teaching Reading
and Writing 3 hrs.**

Assessment of reading and writing problems and strategies for teaching reading and writing. **Prerequisites:** EDRD 420 or EDRD 443, and admission to the Professional Education Sequence. **Credits:** 3

**EDSE 483 - Secondary/Special Subject Area
Internship I**

Methods, strategies, materials, and techniques of clinical and classroom teaching. This course includes a part-time internship in K-12 schools. **Prerequisites:** Admission to Teacher Education. **Credits:** 2-3

**Secondary Education and Special
Subject Teaching**

EDSE 484 - Supervised Internship I

A part-time internship in K-12 schools. Student internship program for secondary and special subject area majors. **Prerequisites:** Admission to Teacher Education. **Credits:** 1-3

EDSE 485 - Internship II

A full-time internship. **Prerequisites:** Admission to Teacher Education. **Corequisites:** EDSE 495 and (ART 491, or ENGL 491, or HIST 491, or MATH 491, or MUS 491, or SCI 491, or SPAN 491). **Credits:** 6

EDSE 486 - Field Experience in Teaching

Supervised experience for a second teaching certification or for an initial certification for individuals who are employed as full-time teachers. Nine hours

per week. **Prerequisites:** Admission to Teacher Education. **Credits:** 3, R6

EDSE 490 - Supervised Student Teaching

A full-time teaching experience.

Prerequisites: Admission to Teacher Education. **Corequisites:** EDSE 495 and (ART 491, or ENGL 491, or HIST 491, or MATH 491, or MUS 491, or SCI 491, or SPAN 491). **Credits:** 6

EDSE 495 - Seminar

Theory related to practice during student teaching or internship. **Prerequisites:** Admission to the Teacher Education Program. **Corequisites:** EDSE 485 and (ART 491, or ENGL 491, or HIST 491, or MATH 491, or MUS 491, or SCI 491, or SPAN 491). **Credits:** 3

Electrical Engineering

EE 200 - Computer Utilization

An introduction to the use of computers and computing methods to solve engineering problems. **Credits:** 3

EE 201 - Network Theory I

Direct current circuit analysis, Ohm's law, Kirchoff's laws, nodal analysis and mesh analysis, Thevenin's theorem, source transformation, maximum power transfer, R-L, R-C, and RLC transient circuit analysis. **Prerequisites:** A grade of C or better in MATH 153. **Credits:** 3

EE 202 - Network Theory II

Alternating current circuit analysis, phasors, Kirchoff's laws, single-phase and 3-phase circuits, resonant circuits, filter networks, Laplace transforms, Fourier series, Fourier transforms, and Fourier analysis techniques. **Prerequisites:** A grade of C or better in both EE 201 and MATH 320. **Credits:** 3

EE 211 - Logic and Networks Laboratory

Network measurements and applications; introduction to laboratory equipment and techniques. The required minimum grade for the major is C. 3 Lab. **Corequisites:** EE 201 and EE 221. **Credits:** 1

EE 212 - Instrumentation and Networks Laboratory

Network measurements and applications, including AC circuits and experimental logic design. The required minimum grade for the major is C. 3 Lab. **Prerequisites:** A grade of C or better in both EE 211 and EE 221. **Corequisites:** EE 202. **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. **Corequisites:** EE 211 or ECET 221. **Credits:** 3

EE 311 - Electronic Devices Laboratory

Measurements and applications of solid-state devices and electronic circuits. The required minimum grade for the major is C. 3 Lab. **Prerequisites:** A grade of C or better in EE 202 and EE 212. **Corequisites:** EE 331. **Credits:** 1

EE 312 - Systems and Electronics Laboratory

Systems and signals measurements and applications; electronics circuits. The required minimum grade for the major is C. 3 Lab. **Prerequisites:** A grade of C or better in EE 311; and completion of, or concurrent enrollment in EE 351. **Corequisites:** EE 332. **Credits:** 1

EE 321 - Electromagnetic Fields

Electric and magnetic fields using vector formulation. Vector Analysis; Stokes' Theorem; Electrostatics; Coulomb's law; Laplace and Poisson's equations; Magneto statics: vector potentials, Lorentz force; Faraday's law. Required minimum grade for major is **Prerequisites:** A grade of C or better in the following: EE 202, MATH 256, and PHYS 231. **Credits:** 3

EE 322 - Electromagnetic Waves

A study of Maxwell's equations, transmission line theory, plane waves, guided electromagnetic waves in coaxial cables and wave guides. **Prerequisites:** A grade of C or better in EE 321. **Credits:** 3

EE 331 - Fundamentals of Electronics and Semiconductors

Theory and applications of semiconductor devices. Ideal operational amplifier applications including difference amplifiers and instrumentation amplifiers; non-idealities of operational amplifiers and their compensation; diode/p-n junction principles and a **Prerequisites:** A grade of C or better in EE 202. **Corequisites:** EE 311. **Credits:** 3

EE 332 - Electronics

Low and high-frequency analysis of transistor amplifiers. Multistage and

feedback amplifier design. Stability and oscillation. Operational amplifier design and applications. **Prerequisites:** A grade of C or better in EE 331. **Corequisites:** EE 312. **Credits:** 3

EE 351 - Systems Analysis I

Complex variables; continuous-time systems; LTI systems; Fourier transforms; Laplace transforms; representation of systems using differential equations. The required minimum grade for the major is C. **Prerequisites:** A grade of C or better in EE 202. **Credits:** 3

EE 411 - Analog Communication Systems

This course presents the fundamentals of analog communications including the analysis of signals and systems, amplitude modulation and demodulation, and frequency modulation and demodulation. Course topics are reinforced with computer simulation of analog **Prerequisites:** A grade of C or better in EE 351. **Credits:** 3

EE 413 - Digital Communication Systems

This course presents the fundamentals of digital communications including a review of linear system theory and spectral analysis of signals, discrete-time sampling, baseband modulation and demodulation, bandpass modulation and demodulation, and synchroniz **Prerequisites:** EE 411. **Credits:** 3

EE 421 - Digital Systems Design

Study of design principles and considerations for complex digital systems; logic synthesis, verification methodologies, timing analysis, and prototyping. Focus on HDL-based implementation of sizeable design problems using current design automation tools a **Prerequisites:** EE 211 and EE 221. **Credits:** 3

EE 424 - Digital Signal Processing

Sampling and signal recovery in linear systems; analysis of sampled systems; discrete and fast Fourier transforms; z-transform; discrete convolution; design of digital FIR and HR filters. **Prerequisites:** A grade of C or better in EE 351. **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. The required minimum grade for the major is C.

Prerequisites: PHYS 322 and a grade of C or better in EE 322. **Credits:** 3

EE 427 - Foundations of Optical Imaging

Design principles and analysis methods of optical imaging systems including advanced geometrical optics approach, diffraction integral approach, and plane wave spectrum approach. **Prerequisites:** A grade of C or better in EE 322. **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 and system design. **Prerequisites:** A grade of C or better in both EE 425 and PHYS 322. **Credits:** 3

EE 451 - Electric Power Systems

This course involves the analysis and computer simulation of electric power systems. Topics include: Electric energy and the environment; AC power transmission network parameters and models; power flow studies; power transformers; distribution system an **Prerequisites:** EE 202 or ENGR 315. **Credits:** 3

EE 452 - Electric Machines and Drives

Basic principles of electromechanical energy conversion and power electronics in drives; operational principles of DC and AC machines; torque, speed, and position controller concepts for motor drives are introduced. 2 Lecture, 2 Lab. **Prerequisites:** ENGR 402. **Credits:** 3

EE 453 - Smart Grid Design and Analysis

Modeling concepts and operational principles in smart power grid, solar and wind energy generation systems, load flow, and fault studies in smart power grid systems are introduced. **Prerequisites:** EE 451 and EE 471. **Credits:** 3

EE 465 - Foundations of Laser Electronics

Laser oscillation, excitation, amplification, dispersion, absorption, basic principles of quantum electronics, general characteristics of laser, semiconductor lasers, switching and modulation, CW lasers, pulse lasers, and applications. **Prerequisites:** A grade of C or better in EE 322 and the completion of PHYS 310. **Credits:** 3

EE 471 - Power Electronics: Design and Analysis

Analysis, design, and operation of power electronic circuits for motor drives and electric utility applications. Power conversion from AC→DC, DC→DC, DC→AC. Contact Hours: 2 Lecture, 2 Lab.

Prerequisites: ENGR 402. **Credits:** 3

EE 472 - Advanced Power Electronics and Drives: Design and Analysis

The synthesis of power electronics-based converters for electric drives, utility related applications and AC synchronous and asynchronous machine control methodologies are introduced.

Prerequisites: EE 471. **Credits:** 2

Elementary and Middle Grades Education**ELMG 201 - Seminar for Teacher Leadership**

The purpose of this course is to encourage preservice teachers to explore issues in becoming teachers and reflect on themselves as leaders. **Corequisites:** EDCI 201. **Credits:** 1

ELMG 480 - Independent Study in Elementary/Middle Grades Education

Independent Study in Elementary/Middle Grades Education **Prerequisites:** Admission to the Professional Education Sequence. **Credits:** 1-3, R6

ELMG 484 - Supervised Internship I

A part-time internship under university supervision with seminar. **Prerequisites:** EDEL 390 or EDMG 411, and admission to Teacher Education. **Credits:** 3

ELMG 485 - Supervised Internship II

A full-time internship under university supervision. **Prerequisites:** ELMG 484 and admission to Teacher Education. **Corequisites:** ELMG 495. Full-time field experience. **Credits:** 9

ELMG 493 - Topics in Elementary/Middle Grades Education

Topics in Elementary/Middle Grades Education **Prerequisites:** Admission to Professional Education Sequence. **Credits:** 1-3, R6

ELMG 495 - Seminar for Student Teachers

Theory related to practice during student teaching. **Prerequisites:** Admission to Teacher Education. **Corequisites:** ELMG 485. **Credits:** 3

**Emergency Medical Care
EMC 210 - Introduction to Wilderness Medicine**

Survey and introduction to the principles and practices of medical care in austere or wilderness environments. **Credits:** 3

EMC 240 - Introduction to Emergency Medical Care

This lecture course, in conjunction with EMC 241, covers the required curriculum for providers at the level of EMT-Basic. **Corequisites:** EMC 241. **Credits:** 4

EMC 241 - Basic Emergency Medical Techniques

This laboratory course, in conjunction with EMC 240, covers the required curriculum for providers at the level of EMT-Basic. **Corequisites:** EMC 240. **Credits:** 2

EMC 310 - Wilderness Medicine I

Advanced life support for wilderness medicine. **Prerequisites:** EMC 210. **Credits:** 3

EMC 320 - Introduction to Pharmacology

This lecture course, provides an introduction to basic pharmacological principles including pharmacokinetics and pharmacodynamics, mechanisms of action, disease pathophysiology, and common medications that affect various body systems. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing. **Credits:** 3

EMC 321 - Pharmacology Techniques

This laboratory course provides an overview of medication dose calculation and administration techniques for the emergency provider. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing. **Credits:** 1

EMC 340 - Introduction to Clinical Medicine

This lecture course is an introduction to clinical medicine, disease pathophysiology, clinical manifestations, and assessment procedures/techniques. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing. **Credits:** 2

EMC 341 - Introduction to Clinical Medicine Lab

This laboratory course provides an introduction to advanced patient

assessment, including history taking and physical examination techniques.

Prerequisites: Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing. **Credits:** 1

EMC 350 - Cardiology

This lecture course discusses cardiovascular anatomy, physiology, electrophysiology, assessment, and the initial management of cardiac emergencies. **Prerequisites:**

Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 320, EMC 321, EMC 340, EMC 341, EMC 351, and EMC 381. **Credits:** 2

EMC 351 - Basic ECG Interpretation

This laboratory course covers ECG interpretation in the monitoring leads.

Prerequisites: Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing. **Credits:** 1

EMC 352 - Cardiology Lab

This laboratory course covers the advanced life support of cardiac emergencies, including resuscitation and post-resuscitation care. **Prerequisites:**

Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 320, EMC 321, EMC 340, EMC 341, EMC 351, and EMC 381. **Credits:** 1

EMC 360 - Acute Fluid and Respiratory Disorders

This lecture course covers respiratory emergencies, fluid and electrolyte imbalance, and an overview of shock.

Prerequisites: Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 321, EMC 351, and EMC 381. **Credits:** 3

EMC 361 - Advanced Emergency Medical Techniques

This laboratory course covers techniques and procedures in patient care.

Prerequisites: Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 320, EMC 321, EMC 340, EMC 341, EMC 351, and EMC 381. **Credits:** 1

EMC 370 - Medical Emergencies

This lecture course discusses the assessment and management of medical emergencies. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing;

and EMC 321, EMC 351, and EMC 381.

Credits: 3

EMC 381 - Clinical Practicum I

This clinical/laboratory course is intended to develop prehospital provider skills in the hospital and field setting. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing. **Credits:** 1

EMC 382 - Clinical Practicum II

This clinical/laboratory course is intended to develop prehospital provider skills in the hospital and field setting. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 320, EMC 321, EMC 340, EMC 341, EMC 351, and EMC 381. **Credits:** 1

EMC 389 - Cooperative Education in EMC

See Cooperative Education Program. **Credits:** 1 or 3, R12

EMC 410 - Trauma Management

This lecture course covers the assessment and management of traumatic emergencies, including patient access, stabilization, and transport; radio communications and use of ALS protocols.

Prerequisites: Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 350, EMC 352, EMC 361, and EMC 382. **Credits:** 2

EMC 411 - Trauma Management Lab

This laboratory course covers the assessment and management of traumatic emergencies. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 350, EMC 352, EMC 361, and EMC 382. **Credits:** 1

EMC 420 - Maternal and Child Emergency Care

This lecture course will cover the assessment and prehospital management of trauma and medical emergencies in obstetric, neonatal, and pediatric patients.

Prerequisites: Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 350, EMC 352, EMC 361, and EMC 382. **Credits:** 3

EMC 421 - Maternal and Child Emergency Care Lab

This laboratory course covers the assessment and pre-hospital management

in obstetric, neonatal, and pediatric patients. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; EMC 350, EMC 352, EMC 361, and EMC 382. **Credits:** 1

EMC 430 - Special Needs Patients

This lecture course discusses special needs patients, their assessment and management in the prehospital setting. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 381. **Credits:** 1

EMC 440 - Wilderness Medicine II

Trauma care and preventive medicine in the wilderness environment. **Prerequisites:** EMC 310. **Credits:** 3

EMC 445 - EMC Systems Management

Planning and managing an emergency medical services system. Emphasis on demand analysis, staffing, medical direction, reimbursement, capital investment, and cost control. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing, or Emergency and Disaster Management major. **Credits:** 3

EMC 450 - Wilderness Medicine III

Advanced wilderness survival skills with special emphasis on medical event planning for outdoor pursuits. **Corequisites:** EMC 486. **Credits:** 3

EMC 451 - Advanced ECG Interpretation

This laboratory course covers advanced electrocardiography including 12-lead ECG interpretation. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 350, EMC 351, EMC 352, EMC 361, and EMC 382. **Credits:** 1

EMC 452 - Critical Cardiac and Resuscitation Management

This laboratory course covers the pathophysiology, advanced assessment, and treatment techniques of critical cardiac emergencies. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; EMC 350, EMC 351, EMC 352, EMC 361, and EMC 382. **Credits:** 1

EMC 461 - Simulation Laboratory

This laboratory course develops the application of emergency assessment and medical management skills using a human patient simulator. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 483. **Credits:** 1

EMC 462 - Critical Care Paramedic I

This course provides an introduction to critical care transport and the management of the critical care patient in ground and air settings. **Prerequisites:** EMC 483. **Credits:** 3

EMC 463 - Critical Care Paramedic II

This course provides a continuation of critical care transport principles and the management of the critical care patient in ground and air settings. **Prerequisites:** EMC 462. **Credits:** 3

EMC 472 - Community Paramedicine I

This course is the first of two courses in a series designed to prepare paramedics to practice in, manage, and implement Community Paramedicine (CP) and Mobile Integrated Healthcare (MIHC) programs. The content is designed to explore all aspects of CP/MIH. **Prerequisites:** EMC 382. **Credits:** 3

EMC 473 - Community Paramedicine II

This course is the second of two courses in a series designed to prepare paramedics to practice in, manage, and implement Community Paramedicine (CP) and Mobile Integrated Healthcare (MIHC) programs. The content is designed to explore all aspects of CP/MI. **Prerequisites:** EMC 472. **Credits:** 3

EMC 482 - Independent Study in Emergency Medical Care

Independent Study in Emergency Medical Care. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing. **Credits:** 1-3, R3

EMC 483 - Clinical Practicum III

A clinical experience intended to develop advanced life support assessment and treatment skills in the hospital and field setting. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 350, EMC 352, EMC 360, EMC 361, EMC 370, and EMC 382. **Credits:** 3

EMC 484 - Clinical Practicum IV

A clinical experience intended to develop advanced life support assessment and treatment skills in the hospital setting.

Prerequisites: Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 410, EMC 411, EMC 420, EMC 421, EMC 451, EMC 452, and EMC 483. **Credits:** 1-3

EMC 485 - MICU Practicum

A capstone clinical experience intended to develop leadership ability and refine advanced life support assessment and treatment skills in the field setting.

Prerequisites: Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing; and EMC 410, EMC 411, EMC 420, EMC 421, EMC 451, EMC 452, and EMC 483. **Credits:** 4

EMC 486 - Wilderness Medicine Clinical Practicum

Clinical experience with skills utilized in back country medicine, rescue techniques, land navigation, and evacuation.

Prerequisites: EMC 450. **Credits:** 3

EMC 487 - Advanced MICU Practicum

Supervised field experience on mobile intensive care units to review, update, and maintain skills. **Prerequisites:** EMC 485 or current paramedic certification, and permission of program director. **Credits:** 2, R8

EMC 488 - EMC Management Internship

Supervised management experience with an approved emergency medical service provider or regulator. **Prerequisites:** Emergency Medical Care major and permission of program director. **Credits:** 2, R4

EMC 493 - Topics in Emergency Medical Care

Topics in Emergency Medical Care.

Prerequisites: Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing. **Credits:** 1-3, R3

EMC 496 - Senior Seminar in Emergency Medical Care

This seminar course provides an overview of current prehospital practice and certifying exam preparation. **Prerequisites:** Emergency Medical Care major with Junior or Senior Standing, and in Good Academic Standing, and EMC 483. **Credits:** 2

English**ENGL 101 - Writing and Rhetoric**

First-year composition writing. Introduction to rhetoric and college-level writing, reading, and thinking. Students develop individual writing processes, research, and self-assessment strategies (Liberal Studies C1). **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 200 - Introduction to the English Major

This one-hour course provides an opportunity to introduce students to the major. **Credits:** 1

ENGL 202 - Writing and Critical Inquiry

Second-year writing. Research-based course in scholarly writing and rhetoric. Students engage in interdisciplinary inquiries, solve complex problems, and develop arguments, synthesizing their ideas with the ideas of others (Liberal Studies C1). **Prerequisites:** ENGL 101. **Credits:** 3

ENGL 203 - The Literature of Rebellion, Revolution, and Resistance

This course focuses on the literature that engages with disruptive social movements like the French Revolution, votes for women, and Civil Rights (Liberal Studies P4). **Credits:** 3

ENGL 206 - Literature and the Environment

This course focuses on specific locations and on the way that literature engages with the environment and environmental issues pertaining to those places (Liberal Studies 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 (Liberal Studies P4). **Credits:** 3

hours. **Prerequisites:** ENGL 101 and ENGL 202. **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 students with 0-24 hours. **Prerequisites:** ENGL 212. **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 students with 0-24 hours. **Prerequisites:** ENGL 212. **Credits:** 3, R6

ENGL 310 - Classical Rhetoric and Contemporary Writing

Examines the historical, ethical, and cultural contexts of Classical Rhetoric; recovers and applies Classical concepts to contemporary rhetorical considerations of culture, gender, audience, and digital media. **Credits:** 3

ENGL 311 - Writing and Advocacy

Study and practice of rhetoric for public advocacy; examines how rhetoric circulates and makes changes in communities. **Credits:** 3

ENGL 312 - Grammar for Teachers

The grammar of standard American English. For students who wish to pursue careers in teaching English and language arts. Closed to students with 0-24 hours. **Credits:** 3

ENGL 313 - Authoring Multimedia

Applying the principles of clear professional writing to the creation of multimedia communications that incorporate text, art, audio, and video. Closed to students with 0-24 hours. **Credits:** 3, R6

ENGL 315 - Proposal and Grant Writing

Proposal and Grant Writing is an introduction to the proposal and grant writing process. Students will learn how to search for funding, read requests for proposals (RFPs), and write effective proposals and grant applications. Closed to students with 0-24 **Credits:** 3

ENGL 319 - Grammar, Language, and Discourse

The course focuses on grammatical, sociolinguistic, and discursive issues affecting the teaching of English. Closed to students with 0-24 hours. **Credits:** 3

ENGL 325 - Language and Culture

How culture and language affect the academic experiences of language-minority students in K-12 setting. Closed to students with 0-24 hours. **Credits:** 3

ENGL 326 - Schools, Laws, and Language

History of multilingualism in the US and the politics and policies of ESL at local, State, and National levels. Closed to students with 0-24 hours. **Credits:** 3

ENGL 333 - Introduction to Shakespeare

General survey of Shakespeare's life, times, and most popular plays. Literature majors should take ENGL 431 - Shakespeare and His Age. Closed to students with 0-24 hours (Liberal Studies 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 students with 0-24 hours (Liberal Studies P4). **Prerequisites:** ENGL 101 and ENGL 202. **Credits:** 3

ENGL 351 - The Beats, Radicals, and Avant-Garde Literature

An examination of the literature of the Beat movement and other radical, avant-garde, and protest movements to determine how disenfranchised groups change cultural perceptions. Closed to students with 0-24 hours (Liberal Studies P4). **Prerequisites:** ENGL 101 and ENGL 202. **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 students with 0-24 hours (Liberal Studies P4). **Prerequisites:** ENGL 101 and ENGL 202. **Credits:** 3

ENGL 353 - Stories Retold

This course focuses on novels, plays, poems, and films that are contemporary retellings of canonical works. Narratives are retold from the perspectives of

marginalized characters (Liberal Studies P4).

Credits: 3

ENGL 363 - Globalization and Global Literatures

Students in this course will engage the literature of non-Western cultures in the context of globalization by focusing on diverse themes such as gender, economics, and religion. The course will emphasize reading, writing, the use of information, critical **Credits:** 3

ENGL 366 - Literature and Immigration

A study of literature by and about immigrants, refugees, and displaced peoples from around the world. Closed to students with 0-24 hours (Liberal Studies 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 students with 0-24 hours (Liberal Studies P4). **Prerequisites:** ENGL 101 and ENGL 202. **Credits:** 3

ENGL 368 - Film Genres

An introduction to several film genres or an intensive exploration of one film genre-such as comedy, horror, science fiction, documentary, or musical (Liberal Studies 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 students with 0-24 hours. **Credits:** 3

ENGL 389 - Cooperative Education: Professional Writing

See Cooperative Education Program. Closed to students with 0-24 hours. **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 literary styles and genres. Closed to students with 0-24 hours (Liberal Studies P4). **Prerequisites:** ENGL 101 and ENGL 202. **Credits:** 3

ENGL 394 - Film Adaptation

Focus on a narrower area of film study, such as a specific direction, period of film history, or nationality of filmmakers. Closed to students with 0-24 hours. **Credits:** 3, R6

ENGL 401 - Writing for Careers

Theory and application of rhetoric in professional communication; emphasis on a triad of author, subject, and audience. Practical assignments: Memos, letters, resumes, reports, and persuasive messages. Closed to students with 0-24 hours. **Credits:** 3

ENGL 402 - Technical Writing

Writing and editing technical manuals and reports; layout and production of technical documents with practice in computer applications. Closed to students with 0-24 hours. **Credits:** 3

ENGL 403 - Community Writing

The theory and practice of Community Writing. This course satisfies the public engagement requirement for the BA in English. **Prerequisites:** Sophomore Standing or above, or permission of instructor. **Credits:** 3

ENGL 404 - African American Literature and History

This course focuses on African American literature in which history is a particular focus like the neo-slave narrative, the genre of the historical poem, and history-oriented drama. **Credits:** 3

ENGL 405 - Advanced Creative Writing

Intensive study and practice of creative writing; emphasis on required individual projects. Closed to students with 0-24 hours. **Prerequisites:** Satisfactory writing sample and permission of instructor. **Credits:** 3

ENGL 410 - Political Rhetorics

An interdisciplinary examination of how political rhetorics construct public policy and political ideas. **Prerequisites:** Sophomore Standing or above, or permission of instructor. **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 students with 0-24 hours. **Credits:** 3

ENGL 413 - ESL Methods for Content Teachers

ESL methodology for content teachers working the English language learning in the K-12 setting. Closed to students with 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 students with 0-24 hours **Credits:** 3

ENGL 415 - Applied Linguistics

An exploration into the linguistic system of human language (sounds, words, and phrases) and the relevance of these structures for TESOL educators and classroom applications. **Prerequisites:** Sophomore Standing or above, or permission of instructor. **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 students with 0-24 hours. **Credits:** 3

ENGL 417 - Methods for Teaching English

Methods, materials, curriculum, and trends in teaching in the secondary schools. Closed to students with 0-24 hours. **Prerequisites:** Admission to Teacher Education. **Credits:** 3

ENGL 418 - Fundamentals of Teaching Literature

Methods, materials, curriculum, trends, and assessment in teaching literature in secondary schools. Closed to students with 0-24 hours. **Prerequisites:** ENGL 202. **Credits:** 3

ENGL 419 - Medieval Literature

Medieval British Literature (600-1500) in its European context. Content may include Arthuriana, Beowulf, Gower, Kempe, Dante, Gawain Poet, and Boccaccio. Closed to students with 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 students with 0-24 hours. **Credits:** 3

ENGL 421 - Fairy Tale, Myth, and Legend

A comparative exploration of the literary, historical, and cultural contexts of folkloric narratives, including their integration into contemporary literature, film, and/or media; may focus on western or non-western traditions, special topics within the **Credits:** 3

ENGL 422 - Adolescent Literature in Secondary Schools

Theoretical perspectives, methodologies, and curricular issues in teaching adolescent literature and literacy in secondary schools. Emphasis on literary, philosophical, and critical analysis of the genre. Closed to students with 0-24 hours. **Prerequisites:** ENGL 202. **Credits:** 3

ENGL 429 - Studies in Professional Writing

This course offers special studies in technical and professional writing that are not covered in other elective courses. It is designed to prepare students for specific career paths in professional and technical communication. The course theme will change **Credits:** 3, R6

ENGL 430 - English Literature of the Renaissance

Representative Tudor and Jacobean prose and nondramatic poetry. Closed to students with 0-24 hours. **Credits:** 3

ENGL 431 - Shakespeare and His Age

This course examines major works of Shakespeare in the context of early modern England. This course will use his rhetoric and language, acting and performance, and research as tools to understand his works. Closed to students with 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 students with 0-24 hours. **Credits:** 3

ENGL 442 - African Literature

An exploration of African oral and written literatures from a variety of cultures,

situated within a global literary historical context. **Credits:** 3

ENGL 443 - Cultural Studies

Study of texts, films, other forms of visual media in order to learn how various cultures are imagined, depicted, and created through these artifacts.

Prerequisites: Sophomore Standing or above, or permission of instructor. **Credits:** 3

ENGL 444 - Environmental Literature

Study of environmental depictions in literature and how those depictions are imagined, shaped, and created by specific cultural contexts. **Prerequisites:** Sophomore Standing or above, or permission of instructor. **Credits:** 3

ENGL 450 - Seminar in English Studies

Offers students in-depth explorations of issues and topics in English Studies through the lens of a given professor and their research. Content varies by instructor.

Prerequisites: Sophomore Standing or above, or permission of instructor. **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 students with 0-24 hours. **Credits:** 3

ENGL 452 - Latinx Literature

Examines literature written by Latinx authors in the United States from the Conquest to the present. **Credits:** 3

ENGL 453 - Indigenous Literatures

Analysis of Indigenous literatures in English or English translation from throughout the globe. **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 students with 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 students with 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 students with 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 students with 0-24 hours. **Credits:** 3

ENGL 470 - 20th 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 students with 0-24 hours. **Credits:** 3

ENGL 474 - Literary Theory

Study of issues and current schools of thought in literary theory. **Prerequisites:** Sophomore Standing or above, or permission of instructor **Credits:** 3

ENGL 475 - Modernism and the Little Magazine

Study of literature written from 1900 to World War II that transcends national borders and participates in the development of the Little Magazine movement. **Prerequisites:** Sophomore Standing or above, or permission of instructor **Credits:** 3

ENGL 477 - Literature, Gender, and Culture

This course focuses on how gender is represented in literature that crosses centuries and national traditions. **Prerequisites:** Sophomore Standing or above, or permission of instructor **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 students with 0-24 hours. **Credits:** 3

ENGL 479 - Studies in Literature

Topics vary. Closed to students with 0-24 hours. **Credits:** 3, R6

ENGL 480 - Studies in English

Independent study/directed research in English. Closed to students with 0-24 hours. **Prerequisites:** Permission of instructor and department head. **Credits:** 1-3, R6

ENGL 483 - Writing Internship

Practical experience in a writing-related setting. S/U grading. 9 hours per week per course. Closed to students with 0-24 hours. **Prerequisites:** Permission of instructor. **Credits:** 3

ENGL 491 - Supervised Student Teaching in English, 9-12

A full-time supervised teaching experience in English. Closed to students with 0-24 hours. **Corequisites:** EDSE 485 and EDSE 495. **Credits:** 3

ENGL 492 - ESL Practicum

Student placement in an academic setting exploring principles of language learning, intercultural communication, and ESL methodology. **Prerequisites:** (ENGL 413 or ENGL 416) and ENGL 415. **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 students with 0-24 hours. **Credits:** 1-3, R6

ENGL 496 - Seminar in World Literature

World literature and/or in translation organized by literary period, national origin, or theme. Closed to students with 0-24 hours. **Credits:** 3

ENGL 498 - Jobs in the Changing Workplace

This course is the capstone for the BA major and prepares students for stepping into their chosen career path. Students will produce a portfolio, practice mock interviews, write job letters and resumes, attend job fairs and other events, and apply for job **Prerequisites:** Senior Standing. **Credits:** 3

Engineering

ENGR 132 - Engineering Graphics

Engineering design graphics, spatial visualization, orthographic projection, dimensioning, tolerances, and basic 3D

constraint-based modeling. 2 Lecture, 2 Lab. **Credits:** 3

ENGR 190 - Technology Systems

An introductory engineering course for non-majors. Starting with natural curiosity, the interrelationships between engineering, physics, and mathematics are investigated in everyday objects. **Credits:** 3

ENGR 199 - Introduction to Engineering Practices and Principles I

An introduction to the engineering discipline. Group work, oral communication, problem solving, and the design process will be introduced through lecture and project-based learning activities. Freshman Engineering majors only. 2 Lecture, 2 Lab. **Prerequisites:** Freshman Engineering major. **Credits:** 3

ENGR 200 - Engineering Practices and Principles II

Engineering practices and principles, teaming, project planning, written communications, and conceptual design processes will be introduced through lecture and project-based learning activities. 2 Lecture, 2 Lab. **Prerequisites:** A grade of C or better in ENGR 199. **Credits:** 3

ENGR 201 - Engineering Mechanics: Statics

Resolution of forces, moments, and couples to achieve equilibrium in static structures; centroids and moments of inertia; Cartesian vector analysis; particle equilibrium; internal forces; friction. **Prerequisites:** MATH 153 and PHYS 230. **Credits:** 3

ENGR 202 - Mechanics of Materials

Develop a fundamental understanding of stress and strain applied to deformable bodies including axial and shear loading, torsion, bending beams, combined loading, and column buckling. **Prerequisites:** A grade of C or better in both ENGR 201 and MATH 255. **Credits:** 3

ENGR 211 - Materials Science

Knowledge of various common engineering materials will be developed through an understanding of microscopic structures, physical properties, equilibrium diagrams, and kinetic processes. **Prerequisites:** A grade of C or better in both CHEM 139 and PHYS 230. **Credits:** 3

ENGR 231 - 3-D Solid Modeling

Exposure to 3D constraint-based solid computer modeling, design intent, feature relations, and role in product development cycles. 2 Lecture, 2 Lab. **Prerequisites:** ENGR 132. **Credits:** 3

ENGR 315 - Electrical Engineering Fundamentals

Principles of electrical and electronic measurements; DC, AC, and transient circuit modeling and analysis; operational amplifiers; motors; other components. Not open to electrical engineering or electrical and computer engineering technology majors. 2 Lec **Prerequisites:** EE 200, MATH 320, and PHYS 231. **Credits:** 3

ENGR 331 - Design for Manufacturing

Various manufacturing processes are examined to understand the capabilities and limitations of each process. This knowledge is used to optimize mechanical designs to simultaneously improve manufacturability, enhance quality, and reduce cost. Specific cont **Prerequisites:** ENGR 231 and ENGR 350. **Credits:** 3

ENGR 332 - Finite Element Analysis

An introduction to finite element modeling with topics including element selection, symmetry, plane stress, and plane strain. This course also uses commercial software for analysis. **Prerequisites:** ENGR 202 and MATH 320. **Credits:** 3

ENGR 333 - Vibration Analysis

An introduction to analytical methods for modeling and evaluating the characteristics of dynamic systems. Topics such as vibration isolation, damping characteristics, and measurement methods are also covered. **Prerequisites:** MATH 320 and ME 301. **Credits:** 3

ENGR 350 - Engineering Practices and Principles III

Engineering project-based learning (open-ended) with emphasis on project control and engineering design processes. Special emphasis will be placed on professional, ethical, global, environmental, and contemporary issues. 2 Lecture, 2 Lab. **Prerequisites:** A grade of C or better in ENGR 200; and completion of, or concurrent enrollment in (ET 349 and ET 349), or (ME 301 and ME 321), or (EE 331 and EE 351), or (ECET 321 and EE 221). **Credits:** 3

ENGR 352 - Thermodynamics and Heat Transfer

This course covers thermodynamics and heat transfer fundamentals including the enthalpy, entropy, and the first and second laws of thermodynamics, conduction, convection, and radiation. **Prerequisites:** CHEM 139, (ENGR 211 or ET 141), (MATH 140 or MATH 153), and (PHYS 130 or PHYS 230). **Credits:** 3

ENGR 353 - Thermodynamics

This course introduces the concepts and principles of thermodynamics along with the laws of thermodynamics, mass/energy analysis, power cycles, and refrigeration cycles. **Prerequisites:** A grade of C or better in both MATH 256 and MATH 320. **Credits:** 3

ENGR 365 - Global Engineering and Technology

Fundamental skills and cultural responsiveness in engineering and technology on a multidisciplinary team in a global context. Focus is given to effective communication (across different cultures and either synchronous or asynchronous), a clear understandi **Credits:** 3

ENGR 389 - Cooperative Education

See Cooperative Education program. **Credits:** 3, R9

ENGR 400 - Engineering Capstone I

Senior engineering project selection, planning, and development. Emphasis will be placed on defining project requirements and developing project work breakdown structure, conceptual designs, and working prototypes. 1 Lecture, 4 Lab. **Prerequisites:** A grade of C or better in ENGR 350. **Credits:** 3

ENGR 402 - System Dynamics and Control

Modeling and analysis of continuous systems in time and frequency domains; control system design; and applications of control theory to electromechanical system simulations using MATLAB. **Prerequisites:** (EE 202 or ENGR 315) and MATH 320. **Credits:** 3

ENGR 411 - Engineering Numerical Analysis

Development of numerical algorithms to provide solutions to common problems formulated in engineering and the applicability and limits of the appropriate use. **Prerequisites:** (CS 150, or EE 200, or

MATH 340), MATH 256, and MATH 320.

Credits: 3

ENGR 431 - Biomaterials and Medical Devices

This course provides an overview of several important biomedical engineering topics. It includes elements of human anatomy and physiology, engineering calculations, systems analysis and computational modeling, biomedical device development, and business. **Prerequisites:** EE 200, ENGR 202, ENGR 211, MATH 320, and MATH 370. **Credits:** 3

ENGR 450 - Engineering Capstone II

Senior engineering project design, development, fabrication, and testing. Emphasis will be placed on iterative design processes, project management and execution, fabrication and testing. 1 Lecture, 4 Lab. **Prerequisites:** A grade of C or better in ENGR 400. **Credits:** 3

ENGR 493 - Special Topics in Engineering
Special Topics in Engineering. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

Entrepreneurship

ENT 195 - Social Entrepreneurship:

Creating Innovative Solutions to Social Problems

Introduces students to the concept of social entrepreneurship as a mechanism for individuals to develop innovative solutions to society's most pressing problems. **Credits:** 3

ENT 201 - Introduction to Entrepreneurship

Introduction to the principles of starting and operating an entrepreneurial venture. **Credits:** 3

ENT 250 - Innovation and Creativity

Developing and enhancing individual and organizational creativity and innovation. **Credits:** 3

ENT 293 - Topics in Entrepreneurship

Topics in Entrepreneurship. **Credits:** 1-6, R6

ENT 301 - Innovation Leadership

Developing, enhancing, and maintaining leadership in a successful entrepreneurial venture. **Credits:** 3

ENT 325 - New Venture Creation

Planning and executing the creation of a successful entrepreneurial venture. **Credits:** 3

ENT 335 - Intrapreneurship: Innovation within Organizations

This course addresses the emerging practice of Intrapreneurship, broadly defined as the application of entrepreneurial capabilities to the development of new ventures within an existing firm. **Credits:** 3

ENT 350 - New Venture Execution

Instituting and expanding a successful entrepreneurial venture. **Prerequisites:** ENT 201 or ENT 250. **Credits:** 3

ENT 389 - Cooperative Education

Cooperative Education. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

ENT 401 - Entrepreneurial Funding

Introduction to the concepts of capital formation, cash management, capital management, financial reporting and financial analysis for any student seeking to fund a new venture. **Credits:** 3

ENT 450 - New Venture Strategy

Operating and developing a successful entrepreneurial venture in a competitive environment. **Prerequisites:** ENT 325. **Credits:** 3

ENT 475 - Entrepreneurial Experience

The study of entrepreneurship as a driver of economic activity. **Prerequisites:** ENT 325. **Credits:** 3

ENT 482 - Independent Study

Independent Study. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

ENT 483 - Internship

Internship. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

ENT 493 - Topics in Entrepreneurship

Topics in Entrepreneurship. **Prerequisites:** Permission of instructor. **Credits:** 1-6, R9

Environmental Health

ENVH 130 - Environmental Health Science: Systems and Solutions

A comprehensive overview of environmental health science connecting the natural environment to human society. Exploration of environmental issues and sustainability (Liberal Studies C5). **Credits:** 3

ENVH 190 - From Black Death to Bioterrorism - The Public Health Solution
Public Health solutions applied to past and future world health concerns such as emergent diseases and international threats such as bioterrorism. **Credits:** 3

ENVH 200 - Introduction to Public Health
This course will explore the system of public health and its role in individual, community, and global health, including social, governmental, and cultural influences (Liberal Studies P1). **Credits:** 3

ENVH 210 - Introduction to Global Health
This course introduces fundamental global health concepts to include health determinants, measures of disease burden, social and cultural intersectionality, health equity, and sustainable development goals (Liberal Studies P6). **Credits:** 3

ENVH 230 - Introduction to Environmental Health Science
Survey of human impacts on the environment and health problems caused by environmental factors (Liberal Studies C5). **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. Laboratory co-requisite is ENVH 261. **Prerequisites:** CHEM 132, or CHEM 139, or permission of instructor. **Corequisites:** ENVH 261. **Credits:** 2

ENVH 261 - Etiology of Infectious Diseases Laboratory
Laboratory to accompany ENVH 260 - Etiology of Infectious Diseases. **Corequisites:** ENVH 260. **Credits:** 1

ENVH 270 - Biological Basis of Disease
This course provides the student with an understanding of the basic biology of health and disease (Liberal Studies C5). **Prerequisites:** Environmental Health major or permission of instructor. **Credits:** 3

ENVH 300 - Occupational Health
Historical, social, and legislative overview of occupational health and the prevention of injuries and illnesses. The impact of human behavior and culture will be examined (Liberal Studies P1). **Credits:** 3

ENVH 310 - Water Quality Control
Environmental management practices related to water pollution and water quality. 3 Lecture. **Prerequisites:** CHEM 140 or permission of instructor. **Credits:** 3

ENVH 311 - Water Quality Control Laboratory
Laboratory to accompany ENVH 310 Water Quality Control. **Prerequisites:** CHEM 140 and Environmental Health Major, or permission of instructor. **Credits:** 1

ENVH 320 - Institutional and Residential Environments
An introduction to the basic health and safety issues in modern housing and institutional settings. **Credits:** 3

ENVH 330 - Food Protection and Sanitation
Principles and techniques applied to the protection of food for human consumption. **Credits:** 3

ENVH 331 - Food Protection and Sanitation Laboratory
Laboratory to accompany ENVH 330 - Food Protection and Sanitation. **Prerequisites:** Junior Standing. **Corequisites:** ENVH 330. **Credits:** 1

ENVH 340 - Environmental Health Practices
Environmental protection through the study of environmental topics, control methods, and techniques to enhance practice. **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. **Prerequisites:** BIOL 102 and CHEM 140, and the completion of, or concurrent enrollment in MATH 130, or MATH 146, or MATH 153. **Credits:** 3

ENVH 380 - Biosafety and Bioterrorism
Principles and practices associated with biological agents in the workplace, community, and as part of bioterrorism events. **Credits:** 3

ENVH 395 - Environmental Health Pre-Internship Seminar
Developing student skills (resume development, interviewing skills, personality type and leadership style, ethical decision making and professional

behavior) to be successful during the internship experience and professional practice. **Prerequisites:** Environmental Health major or permission of instructor. **Credits:** 1

ENVH 412 - Solid and Hazardous Materials Management

Techniques for management and disposal of solid and hazardous materials, including regulations, emergency planning, management, and response. **Prerequisites:** BIOL 102, CHEM 140, and (MATH 130, or MATH 146, or MATH 153). **Credits:** 3

ENVH 430 - Vector-Borne Disease Control

Vector-borne infectious diseases generally require a blood-feeding arthropod (flies, ticks, fleas, etc.) to transmit the pathogen between hosts. Many of these diseases are emerging or re-emerging. Prevention and control of these diseases require an approach. **Prerequisites:** BIOL 313 and Environmental Health major. **Corequisites:** ENVH 431. **Credits:** 3

ENVH 431 - Vector-Borne Disease Control Laboratory

Laboratory to accompany ENVH 430 - Vector-Borne Disease Control. **Prerequisites:** BIOL 313 and Environmental Health Major. **Corequisites:** ENVH 430. **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:** CHEM 140, (MATH 130, or MATH 146, or MATH 153), and PHYS 130; or permission of instructor. **Corequisites:** ENVH 450. **Credits:** 3

ENVH 450 - Air Quality Control Lab

Principles, techniques, and methods to quantify chemical substances in the air. 1 Lab. **Prerequisites:** CHEM 140, (MATH 130, or MATH 146, or MATH 153) and PHYS 130; or permission of instructor. **Corequisites:** ENVH 440. **Credits:** 1

ENVH 457 - Industrial Hygiene

Understanding and applying the industrial hygiene process (anticipation, recognition, evaluation, and control) to physical, biological, and chemical hazards in the workplace. **Prerequisites:** 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:** Senior Standing. **Credits:** 1

ENVH 465 - Wastewater Issues in Environmental Health

Overview of concepts related to water and wastewater management in the U.S., including residential (on-site), community, and municipal wastewater systems. **Prerequisites:** ENVH 310. **Credits:** 3

ENVH 470 - Epidemiologic Methods for Environmental Health

Principles and applications of disease prevention, investigation, and control with a focus on statistical applications. **Prerequisites:** Senior Standing and BIOL 313, ENVH 330, and (MATH 130, or MATH 146, or MATH 153); or permission of instructor. **Credits:** 4

ENVH 480 - Independent Study in Environmental Health

Independent study through a project related to the field of public or environmental health that enables the student to develop in-depth knowledge and skills to complement academic coursework and achieve the individual learning outcomes. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

ENVH 483 - Environmental Health Internship

Experiential learning under a qualified environmental health and safety professional. **Prerequisites:** Environmental Health major or permission of instructor. **Credits:** 2, R6

ENVH 493 - Topics in Environmental Health

Studies in special areas of interest in environmental health. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R9

ENVH 495 - REHS/RS Review Course

Knowledge of the principles and practices required for a Registered Environmental Health Sanitarian/Registered Sanitarian (REHS/RS) will be reviewed by the course participants in an effort to help prepare them to sit for the REHS/RS credential exam. This **Credits:** 1

ENVH 499 - Undergraduate Research in Environmental Health

Mentored undergraduate research in a selected area of environmental health.

Prerequisites: Permission of instructor.

Credits: 1-3, R6

Environmental Sciences

ES 150 - Introduction and Approaches to Environmental Science

An introduction for students majoring in environmental science. An overview of environmental science and current issues and approaches to studying environmental problems. 3 Lecture, 3 Lab. **Credits:** 4

ES 250 - Seminal Readings in Environmental Sciences

Major figures, works, and ideas in environmental science are explored to give students knowledge and understanding of key concepts in modern environmental thought. **Prerequisites:** Environmental Science major with Sophomore Standing or higher. **Credits:** 1

ES 350 - Seminar in Energy, Economics, and the Environment

Impacts of energy production and consumption on environmental and economic sustainability are explored including true costs of tradeoffs of converting to renewable energy sources.

Prerequisites: Environmental Science major with Junior or Senior Standing, or permission of instructor. **Credits:** 1

ES 480 - Independent Study

Independent Study. **Prerequisites:** Environmental Science major and permission of instructor. **Credits:** 1-3, R6

ES 483 - Internship in Environmental Science

Practical skill acquisition and integration of theory and practice while working with an agency, organization or company, approved by the instructor. Written assignments required. Minimum of 3 hours per week per credit hour. Limited to majors of sophomore **Prerequisites:** Environmental Sciences major with Sophomore Standing

and permission of instructor. **Credits:** 1-3, R6

ES 493 - Topics in Environmental Science

A current topic in environmental science will be explored. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

ES 495 - Senior Research Seminar in Environmental Science

Capstone course for environmental science majors. Students will bring together the principles learned through various coursework in the program and conduct a group research project. **Credits:** 3

Earth Sciences

ESI 140 - Oceanography

Interdisciplinary study of the ocean through an examination of its physical, biological, and chemical processes. May include a significant field trip component (Liberal Studies C5). **Credits:** 3

ESI 471 - Field Studies of Selected Regions

Interdisciplinary group project on a designated region; a two-week field-trip following spring final exams. Cost to be determined. **Prerequisites:** GEOL 151, Junior Standing, and permission of instructor. **Credits:** 3, R6

Engineering Technology

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 232 - Engineering Statics

Study of forces and the effect of forces acting on static bodies. 3 Lecture.

Prerequisites: (MATH 146 or MATH 153) and (PHYS 130 or PHYS 230). **Credits:** 3

ET 310 - Advanced 3D Computer Modeling and Rapid Prototyping

Intermediate to advanced constraint-based parametric computer modeling applied to mechanical/industrial design components and mechanisms. **Prerequisites:** ENGR 231. **Credits:** 3

ET 331 - Quality Systems

An introduction to techniques used to monitor and assess quality. Topics include Statistical Process Control, Process Capability Analysis, and Gage R&R. **Prerequisites:** MATH 270. **Credits:** 3

ET 332 - Strength of Materials

A study of the relations between externally applied loads and elastic stresses and strains for various types of materials.

Prerequisites: (ENGR 201 or ET 232) and MATH 153. **Corequisites:** ET 333. **Credits:** 3

ET 333 - Strength of Materials Laboratory

A laboratory exploration of the relations between externally loads and elastic stresses and strains for various types of materials. **Corequisites:** ET 332. **Credits:** 1

ET 334 - Lean Six Sigma

Fundamentals of lean manufacturing and Six Sigma quality, including topics such as line balancing, value stream mapping, design of experiments, and regression analysis. **Prerequisites:** ET 331. **Credits:** 3

ET 335 - Occupational Safety Standards

Standards and practices for industrial and educational safety related to local, state, and federal safety regulations. **Credits:** 3

ET 336 - Environmental Instrumentation

Basic instrumentation techniques used to measure industrial safety and health hazards. 2 Lecture, 2 Lab. **Prerequisites:** ET 335. **Credits:** 3

ET 337 - Management of Safety Systems

Comprehensive, organized management approach for identifying, measuring, and reducing operational errors leading to accidents. **Prerequisites:** ET 335. **Credits:** 3

ET 338 - Fire Control and Compliance Management

Emergency planning, compliance with standards, recognition of fire hazards, implementation of controls, and extinguishing agents and methods.

Corequisites: ET 335. **Credits:** 3

ET 341 - CAM Systems

Manufacture of 2D and 3D parts utilizing computer-aided manufacturing equipment and software. Conversion of CAD designs into numerical control programs for milling and turning. 2 Lecture, 2 Lab. **Prerequisites:** ENGR 231 and MATH 146. **Credits:** 3

ET 342 - Lean Manufacturing Systems Analysis and Planning

Analysis of manufacturing system efficiency using lean concepts of value stream mapping, single piece flow, kaizen events,

value-added analysis, pull systems, and production control. **Prerequisites:** ET 141 and 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:** ENGR 231, ET 141, and MATH 146. **Credits:** 3

ET 351 - Engineering Analysis

Emphasis on real-world applications of engineering derivatives, integrations, rates of change, limits, functions, trigonometric functions, and problem-solving methodology. Utilization of Microsoft Excel and MATLAB. **Prerequisites:** MATH 153. **Credits:** 3

ET 362 - Engineering Logistics

A study of various aspects of logistics and industrial distribution in the engineering domain. **Prerequisites:** ENGR 132, ET 141, and MATH 170. **Credits:** 3

ET 366 - Manufacturing Materials and Processes

Study of the nature, composition, and structure of various materials used in manufacturing. Materials include ferrous and nonferrous metals, polymer, ceramics, wood, and fibers. **Credits:** 3

ET 389 - Cooperative Education

See Cooperative Education Program. **Credits:** 1-3, R9

ET 420 - Advanced Engineering Materials

Properties of common metals, polymers, ceramics, and composites; material science; effective materials selection; processing of materials; and manipulation of materials in an applied engineering context.

Prerequisites: CHEM 139, ET 141, and completion of, or concurrent enrollment in ET 332. **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, and common occupational injuries.

Prerequisites: Junior Standing or permission of instructor. **Credits:** 3

ET 422 - Advanced Polymer Technology

Theory and application of molding processes; emphasis on thermoplastic and thermoset injection; topics in polymer science and microprocessing. **Credits:** 3

ET 423 - Fluid Systems

Basic fluid mechanics; hydraulic and pneumatic systems used in industrial manufacturing processes. 2 Lecture, 2 Lab.

Prerequisites: MATH 146 and 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: ENGR 231, ET 141, ET 232, ET 331, and ET 351. **Credits:** 3

ET 434 - Plant Layout

Problem analyses and design of plant facilities; plant layout, material flow, and handling; physical storage systems.

Prerequisites: Engineering Technology major with Senior Standing. **Credits:** 3

ET 435 - Technology and Civilization

The interdependence of society and technology; modern industrial processes; use of energy and material resources; pollution; population explosion; food supplies. **Credits:** 3

ET 436 - Engineering Economic Analysis

The study of economics as applied to engineering decision making. **Prerequisites:** MATH 153. **Credits:** 3

ET 441 - Power Transmission Systems

The study of hydrostatic fluid power components and systems specifically focused on industrial and manufacturing applications. 2 Lecture, 2 Lab.

Prerequisites: ET 232 and ET 351. **Credits:** 3

ET 449 - Advanced Rapid Tooling and Prototyping

Advance prototyping methods and rapid tooling practices for product design and fabrication. Advanced machining, tooling, and metrology will be covered. 2 Lecture, 2 Lab. **Prerequisites:** ET 349. **Credits:** 3

ET 461 - Engineering Project Management

Engineering project management is a technique for accomplishing specialized missions or work when normal organizational structure or methods are not sufficient. 2 Lecture, 2 Lab. **Prerequisites:** Engineering Technology major with Junior Standing. **Credits:** 3

ET 472 - Integrated Control Systems

Electronic sensing, logic, and control functions applied to automated systems. 2 Lecture, 2 Lab. **Prerequisites:** (ECET 301 or ECET 341) and (ECET 332 or ET 351).

Credits: 3

ET 478 - Integrated Systems Project

Organizing, planning, and implementing a project using acceptable industrial techniques culminating in a formal written report and oral presentation. 1 Lecture, 4 Lab. **Prerequisites:** ET 461 or permission of instructor. **Credits:** 3

ET 480 - Independent Study

Independent study in industrial, technical, or vocational education; project required.

Prerequisites: Permission of advisor and instructor. **Credits:** 1-3, R6

ET 493 - Special Topics

Special Topics. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

ET 495 - Engineering Technology Seminar

Trends, issues, and selected topics pertinent to current operations and practices. Seminar. **Prerequisites:** Engineering Technology major with Senior Standing. **Credits:** 1-3, R6

Finance**FIN 195 - You and Your Money (First Year Seminar)**

Develop life-long money management skills to achieve short and long-term goals. Topics include establishing goals, setting priorities, budgeting, banking basics, saving, investing, insurance, managing debt, and financing large purchases. **Credits:** 3

FIN 210 - Managing Your Money for Financial Success

An introduction to personal financial planning including goal setting, cash management, credit, insurance, housing, educational planning, and financial institutions and markets (Liberal Studies P1). **Credits:** 3

FIN 301 - Financial Statement Analysis

Short-term liquidity, cash flow from operations, funds flow, capital structure, long-term solvency, return on investment, asset utilization, and operating performance. Cross-listed with ACCT 301. **Prerequisites:** ACCT 351. **Credits:** 3

FIN 305 - Financial Management

Financial analysis and planning; time-value of money; risk; leverage; capital acquisition, management, and budgeting. **Prerequisites:** ACCT 251. **Credits:** 3

FIN 335 - Financial Institutions

An introduction to the financial services industry: institutions, money, capital, and derivative instruments. **Prerequisites:** FIN 305. **Credits:** 3

FIN 350 - So You Want to Be a Millionaire

A multi-discipline approach to issues related to individual wealth accumulation and management (Liberal Studies P1). **Prerequisites:** Sophomore Standing. **Credits:** 3

FIN 389 - Cooperative Education in Finance

Cooperative Education in Finance. See Cooperative Education Program. **Prerequisites:** 2.00 GPA on courses in business. **Credits:** 1 or 3, R15

FIN 406 - Investment Strategies

Investments for individuals, institutions, and business; securities and securities markets. **Prerequisites:** FIN 305. **Credits:** 3

FIN 407 - International Finance

International financial environment, exchange rate behavior, exchange rate risk management, and multinational business asset and liability management. **Prerequisites:** FIN 305. **Credits:** 3

FIN 409 - Entrepreneurial Finance

Problems in cash management; financing small business; problems associated with new ventures. **Prerequisites:** FIN 305. **Credits:** 3

FIN 410 - Retirement Planning

Retirement planning; goals, strategies, implementation and employee benefits. **Prerequisites:** FIN 305. **Credits:** 3

FIN 440 - Bank Practice and Policy

Principles underlying the employment of bank funds' allocations of funds to asset

classes, and changing bank practices.

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:** FIN 305. **Credits:** 3

FIN 470 - Portfolio Management

A "hands on" course managing an all-equity portfolio; corporate, industry and market analysis. **Prerequisites:** FIN 305 or permission of instructor. **Credits:** 3

FIN 480 - Independent Research

Independent Research. **Prerequisites:** Permission of department head. **Credits:** 3

FIN 483 - Internship in Finance

Work experience in finance. S/U grading. Minimum of 10 hours per week. **Prerequisites:** Junior Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 3, R9

FIN 484 - Internship in Finance

Work experience in finance. S/U grading. Minimum of 10 hours per week. **Prerequisites:** Junior Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 3, R9

FIN 485 - Internship in Finance

Work experience in finance. S/U grading. Minimum of 10 hours per week. **Prerequisites:** Junior Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 3, R9

FIN 493 - Topics in Finance

Topics in Finance. **Prerequisites:** Permission of department head. **Credits:** 1-3, R6

FIN 496 - Estate & Trust Planning

Integration of alternative investment instruments and opportunities, tax planning and strategies, retirement and estate planning, with computer software applications. **Credits:** 3

FIN 499 - Case Studies in Financial Planning

Development of written, oral, and interpersonal communication skills and

synthesis of knowledge through case studies. **Prerequisites:** FIN 406. **Credits:** 3

Forestry

FOR 131 - Introduction to Forest Resources

The profession of forestry, its scope and opportunities; forest resource conservation and utilization; field exercises in forestry practices. **Prerequisites:** Pre-Forestry major. **Credits:** 3

Fine and Performing Arts

FPA 101 - Experiencing the Arts

Explores basic elements and principles in the fine and performing arts (including music, painting, sculpture, design, theatre, film, and dance) and the ways in which the arts either reflect and celebrate the human experience or challenge cultural values (**Credits:** 3

FPA 190 - Freshman Seminar: Fine and Performing Arts

Exploration of various topics in the fine and performing arts. **Credits:** 3

FPA 439 - Arts & Entrepreneurship

This course serves as the prerequisite survey of arts management by covering the principles of arts entrepreneurship and management. Arts & Entrepreneurship is designed for arts practitioners seeking to increase their knowledge of contemporary arts entre **Credits:** 3

FPA 450 - Arts & Entrepreneurship Intensive

This course is designed to complement the core courses in the Arts & Entrepreneurship Undergraduate Certificate by providing a targeted and intense education in the business of the arts. Over the academic year, three to six guest lecturers are brought to **Credits:** 1, R6

French

FREN 101 - Beginning French I

Students develop basic knowledge of the francophone world, and through that content, acquire basic functional proficiency in French (Liberal Studies P6). **Credits:** 3

FREN 102 - Beginning French II

Building on their knowledge of the francophone world, students increase their basic functional proficiency in French (Liberal Studies P6). **Prerequisites:** Some competency in French or permission of instructor. **Credits:** 3

FREN 231 - Intermediate French I

Continuation of written and oral French grammar; readings and discussions on French culture and civilization; readings in more specialized areas; lab practice may be assigned (Liberal Studies P6). **Prerequisites:** FREN 102, or equivalent, or placement. **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 (Liberal Studies P6). **Prerequisites:** FREN 231, or equivalent, or placement. **Credits:** 3

FREN 301 - French for Everyday Use I

Emphasis on enhancing oral and written communication skills in realistic everyday situations (Liberal Studies P6). **Prerequisites:** FREN 232, or equivalent, or permission of department head. **Credits:** 3

FREN 310 - Introduction to French Prose and Poetry

Introduction to French literary texts; reading and analysis of literary works. **Prerequisites:** FREN 232. **Credits:** 3

FREN 321 - French Civilization

Geographical, political, cultural, and historical aspects of France from its origins to the present. **Prerequisites:** FREN 232 and completion of, or concurrent enrollment in FREN 301; or permission of department head. **Credits:** 3

FREN 322 - Francophone Cultures

A study of the cultures and regions in which French is a native or major language. **Prerequisites:** FREN 232 and completion of, or concurrent enrollment in FREN 301; or permission of department head. **Credits:** 3

FREN 331 - Survey of French Literature I

The main literary movements, authors, and works since the twelfth century; course division at the eighteenth century. **Prerequisites:** FREN 232 and completion of, or concurrent enrollment in FREN 301; or permission of department head. **Credits:** 3

FREN 332 - Survey of French Literature II

The main literary movements, authors, and works since the twelfth century; course division at the eighteenth century. **Prerequisites:** FREN 232 and completion of,

or concurrent enrollment in FREN 301; or permission of department head. **Credits:** 3

FREN 371 - 20th Century French Novels in Translation

Selected works by Proust, Gide, Mauriac, Camus, Saint-Exupery, and Colette. No knowledge of French required; not open to French majors. **Credits:** 3

FREN 393 - Special Topics in French
Special Topics in French. **Prerequisites:** FREN 232. **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: Completion of, or concurrent enrollment in FREN 301; or permission of department head. **Credits:** 3

FREN 431 - Studies in French Literature

Intensive study of an author or authors, a genre, movement, school, or literary period. **Prerequisites:** FREN 232 and completion of, or concurrent enrollment in FREN 301; or permission of department head. **Credits:** 3, R6

FREN 451 - Advanced French Grammar

Comprehensive study of the more difficult grammatical forms and usages.

Prerequisites: FREN 232 and completion of, or concurrent enrollment in FREN 301; or permission of department head. **Credits:** 3

FREN 452 - Advanced French Conversation

Discussion of selected topics, oral reports on assigned readings, situational dialogues emphasizing practical, everyday French.

Prerequisites: FREN 232 and completion of, or concurrent enrollment in FREN 301; or permission of department head. **Credits:** 3

FREN 481 - Independent Studies in French Independent Studies in French.

Prerequisites: FREN 232 and completion of, or concurrent enrollment in FREN 301; or permission of department head. **Credits:** 1-3, R6

Forensic Science

FS 110 - Survey in Forensic Science

This course aims to provide survey of topics in the discipline of forensic science.

Students will gain an introduction to the principles and practical approaches of a

wide range of forensic science disciplines which are part of full-service crime laboratory

Prerequisites: Pre-Forensic Science majors, or Forensic Science majors, or permission of instructor. **Credits:** 3

FS 293 - Introductory Topics in Forensic Science

This course is primarily designed for first- and/or second-year students and will cover foundational topics in forensic science.

Prerequisites: Permission of department head. **Credits:** 1-4, R9

FS 330 - Population Genetics for Forensic Science

An overview of human genetic variation and molecular population genetics as applied to forensic DNA analysis in a crime laboratory as well as the courtroom. This course is cross-listed with BIOL 330.

Prerequisites: BIOL 240. **Credits:** 3

FS 380 - Research in Forensic Science

Forensic science research projects for individual students. Students typically participate in undergraduate research during their junior and/or senior years. Each credit hour requires 3 hours of lab-work per week. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R15

FS 388 - Internship in Forensic Science

Supervised applications of academic study in a practical forensic science setting. Fifty internship hours are required for per credit hour and must primarily involve work conducted in a crime laboratory setting.

Prior permission of instructor is required. **Prerequisites:** (BIOL 333 or CHEM 370) and permission of instructor. **Credits:** 1-3, R9

FS 389 - Cooperative Education in Forensic Science

Supervised applications of academic study in a practical forensic science setting.

Prerequisites: Sophomore Standing, 2.00 GPA, and permission of instructor. **Credits:** 3

FS 422 - Forensic Biology

Principles of nuclear and mitochondrial DNA analysis including current and emerging analytical techniques, database searches, statistical analysis, courtroom testimony, and non-human DNA analysis. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 333 lecture and lab. **Credits:** 4

FS 465 - Forensic Chemistry

Introduction to modern forensic chemistry with emphasis on the use of instrumental methods of analysis. 3 Lecture, 3 Lab.

Prerequisites: A grade of C- or better in both CHEM 242 lecture and CHEM 370.

Credits: 4

FS 466 - Physical Methods in Forensic Science

Survey of physical methods in forensic science including microscopy, ballistics, pattern recognition, questioned documents, fingerprint analysis, and related physical methods.

Prerequisites: Forensic Science major in Good Academic Standing.

Credits: 3

FS 493 - Topics in Forensic Science

This course is primarily designed for upper-level students and will cover advanced topics in forensic science.

Prerequisites: Permission of department head
Credits: 1-4, R9

FS 495 - Seminar in Forensic Science

Development of scientific communication skills, study of contemporary issues in the field of forensic science, preparation for post-baccalaureate opportunities. Closed to students with less than 60 earned credit hours.

Prerequisites: Junior or Senior standing.

Credits: 1

Film and Television Production

FTP 110 - Introduction to Screenwriting

Develop a working construct for screenwriting and filmmaking, as well as the critical aspects of theme, character, plot, and formatting for the screenplay. Emphasis is placed on telling a story in terms of action and the reality of characters.

The differ **Prerequisites:**

Admission to the Film and Television Production BFA, or Stage and Screen BA, or permission of instructor.

Credits: 3

FTP 150 - Thinking Like A Filmmaker

An introduction to the arts used by filmmakers in creating cinematic art as well as to the skills and thought processes filmmakers use.

Credits: 3

FTP 155 - Camera Craft

This course focuses on a range of specific visual aesthetics and how to capture those aesthetics through camera exposure, lenses, framing, movement, and simple lighting techniques.

Prerequisites: Admission to the Film and Television

Production BFA, or Stage and Screen BA, or permission of instructor.

Credits: 3

FTP 157 - Non-Linear Editing

Students will learn the art and technical proficiencies required for editing motion pictures from assembly through fine cut, including sound design.

Prerequisites: Admission to the Film and Television Production BFA.

Credits: 3

FTP 165 - Introduction to Producing

This course focuses on the role of producer in film production, from development through distribution.

Prerequisites:

Admission to the Film and Television Production BFA, or Stage and Screen BA, or permission of instructor.

Credits: 3

FTP 241 - Visual Effects

In this course, students will learn the basic production and software proficiencies required to generate an essential selection of industry-quality video effects (VFX).

Prerequisites: FTP 157.

Credits: 3

FTP 251 - Lighting for Film and Television

Students learn a range of genre-specific lighting techniques including lighting for on-location interiors and exteriors, studio lighting, and lighting cues.

Prerequisites: FTP 155 or permission of instructor.

Credits: 3

FTP 253 - Introduction to Film Directing

Students will shoot and edit short films as they learn the basics of cinematic language.

Prerequisites: FTP 150 or permission of instructor.

Credits: 3

FTP 320 - Adapting the Short Story

Students will each choose a short story and then write a screen adaptation.

Prerequisites: Permission of instructor.

Credits: 3

FTP 321 - Scene Writing

A concentrated seminar/workshop in writing scenes for the screen.

Prerequisites: Permission of instructor.

Credits: 3

FTP 329 - Writing the Short Screenplay

This course is designed to teach students how to write compelling short screenplays for production and festival play through the advanced implementation of three-dimensional characters, multiple short-form structures, various forms of tension,

nuanced dia **Prerequisites:** FTP 110 or permission of instructor. **Credits:** 3

FTP 330 - Writing the Series I

Focus on the rigors and discipline of pitching, outlining, and writing for a dramatic episodic television series through the study of two series currently on television. **Prerequisites:** FTP 110 or permission of instructor. **Credits:** 3

FTP 331 - Writing the Series II

Practice and application of serving as a staff-writer for a one-hour drama and half-hour comedy television series. **Prerequisites:** FTP 330 or permission of instructor. **Credits:** 3

FTP 332 - Creating the Pilot and Bible

This is a course designed to teach students how to develop and pitch a dramatic pilot intended for launch as an episodic series. Students will learn the various networks and platforms available to produce original television content and what each platform **Prerequisites:** FTP 331 or permission of instructor. **Credits:** 3

FTP 333 - Writing the Pilot

This is a course designed to teach students the rigors, discipline, and fulfillment of creating a dramatic pilot intended to launch an episodic series. **Prerequisites:** FTP 332 or permission of instructor. **Credits:** 3

FTP 335 - Intermediate Cinematography

This course covers intermediate techniques of cinematography and production lighting. 2 Lecture, 2 Lab. **Prerequisites:** Permission of instructor. **Credits:** 3

FTP 340 - Filmmakers on Filmmaking

Students will examine in depth how screen artists approach their craft and art. Lecture (Liberal Studies P5). **Credits:** 3

FTP 345 - Writing the Feature I

In this course, students will learn how to construct a feature film screenplay from outline, character design, and plot structure pre-writing through the execution of the first half of a properly formatted feature screenplay. **Prerequisites:** FTP 110 or permission of instructor. **Credits:** 3

FTP 346 - Writing the Feature II

In this course, students will learn how to construct a feature film screenplay from

writing and rewriting scenes and sequences through the execution of the second half of a properly formatted feature screenplay.

Prerequisites: FTP 345 or permission of instructor. **Credits:** 3

FTP 359 - Elements of Motion Picture Production

This course examines how a motion picture is put together from script to final print. Lectures plus hands-on workshops. 2 Lecture, 2 Lab. **Credits:** 3

FTP 361 - Intermediate Directing

Focus on directing actors, staging for camera, and scene analysis. 3 Lecture, 3 Lab. **Prerequisites:** FTP 253. **Credits:** 3

FTP 386 - Film Practicum I

In this course, taken every Fall semester by students in the Film and Television Production program, students will cultivate and refine their artistic voice through brand development, engagement with cinephile culture, and creative projects.

Prerequisites: Admission to the Film and Television Production BFA, or Stage and Screen BA, or permission of instructor. **Credits:** 2, R10

FTP 387 - Film Practicum II

Cultivate and refine the artistic voice through engagement with cinephile culture, creative projects, and brand development. Film Practicum II has a unique emphasis on episodic, serial, and anthology content.

Prerequisites: Admission to Film and Television Production BFA, or Stage and Screen BA, or permission of instructor. **Credits:** 2, R10

FTP 388 - Production I

In this course, each third-year student joins one of several senior projects as a department head, in order to craft a festival-caliber short motion picture.

Prerequisites: FTP 361 or permission of instructor. **Credits:** 3

FTP 406 - Screenwriting II

Outline a complete feature-length screenplay and write the first act of that screenplay. Closed to freshmen (0-24 hours). **Credits:** 3

FTP 407 - Screenwriting III

Complete and rewrite the screenplay begun in FTP 406. Closed to freshmen (0-24

hours). **Prerequisites:** FTP 406 and permission of instructor. **Credits:** 3, R6

FTP 410 - Writing the Pilot

Students will conceive and write the pilot episode of an original television series.

Prerequisites: Permission of instructor.

Credits: 3

FTP 436 - Digital Cinematography

Techniques of digital cinematography.

Course will explore the study and usage of High-Definition cameras, camera operation, camera systems, and set operations.

Credits: 3

FTP 457 - Advanced Editing

Advanced techniques of editing and postproduction explored within context of editing a major project. **Prerequisites:**

Permission of instructor. **Credits:** 3

FTP 460 - Directing the Documentary I

Students will learn the theory and execute the production processes required to produce a festival-quality documentary film. This course is linked to Directing the Documentary II, where students will complete the films they begin in this course.

Prerequisites: Permission of instructor.

Credits: 3

FTP 461 - Advanced Directing

Students will work in teams to write, produce, and direct a narrative short building on techniques learned in FTP 450. 2 Lecture, 2 Lab. **Prerequisites:** FTP 361.

Credits: 3

FTP 470 - Directing the Documentary II

Students will refine their understanding and application of the theory and craft required to produce a festival-quality documentary film through the completion of films began in FTP 460. **Prerequisites:** FTP 460 or

permission of instructor. **Credits:** 3

FTP 483 - Internship in Motion Picture/TV

Work experience in the motion picture/TV industry. 150 hours of work required.

Prerequisites: Completed 60 hours and/or permission of program director. **Credits:** 3, R6

FTP 484 - Production II

Students work in above-the-line teams to produce two original short films for presentation at film festivals. **Prerequisites:**

FTP 388 or permission of instructor. **Credits:** 6

FTP 485 - Film Festival Production

Production techniques required to administrate, produce, and market a film festival. **Credits:** 1

FTP 489 - Production III

In this course, fourth-year students organize into small above-the-line teams and work with third-year students to produce a festival-quality short motion picture. **Prerequisites:** Permission of instructor. **Credits:** 3

FTP 493 - Special Topics in Motion Picture Production

Study in special area of interest in motion picture and television production. **Credits:** 3, R9

FTP 495 - FTP Senior Exit Strategies

Students will use market analysis and research to develop a plan for entering the motion picture industry. **Prerequisites:** FTP 489 or permission of instructor. **Credits:** 3

Global Black Studies

GBS 200 - Introduction to Black Studies

Serving as a required introductory course for the Global Black Studies, Minor program, this course introduces students to the political economy that created the push for the discipline, details the creation and institutionalization of the discipline, and **Credits:** 3

GBS 300 - Key Paradigms and Theories in Black Studies

Serving as a required course for the Global Black Studies, Minor program, this course introduces students to the key methodology and analytical paradigms used to develop and produce advanced knowledge in the discipline. This course also prepares students **Credits:** 3

GBS 400 - Research, Methodologies and Writing in Black Studies

Serving as a required course for the Global Black Studies, Minor program, this course functions as a guided and mentored research capstone project. Due to the multidisciplinary nature of the program, the research projects can be written or visual, based on **Prerequisites:** GBS 300 or permission of instructor. **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 (Liberal Studies P6).

Credits: 3

Geography

GEOG 140 - World Geography

This course gives students a broad overview of the world in a way that integrates humanity, place, and environment. Students can expect to gain greater understanding of not just where things are but the much bigger questions of how the world's peoples oc

Credits: 3

GEOG 221 - Introduction to Geospatial Analysis

Principles and methods of geospatial analysis. Discussion of the analysis and display of spatial data including introductory concepts of remote sensing and geographic information systems.

Credits: 3

GEOG 300 - Weather and Climate

Meteorology (temperature, humidity, pressure, precipitation, winds, radiation); global heat budget, CO₂ cycle, jet stream, air masses, fronts, storms; global distribution of climate. **Credits:** 3

GEOG 302 - Geomorphology

An exploration of the Earth's landscapes and the natural and anthropogenic processes that shape them; example topics are streams, landslides, weathering, glaciers, and climate change. Students will learn key skills, principles, and research approaches to **Prerequisites:** ES 150, or GEOL 141, or GEOL 145, or GEOL 151, or NRM 210. **Credits:** 4

GEOG 305 - Soils and Hydrology

Soil genesis, properties, and classification; the hydrologic cycle; surface runoff and groundwater; water budgets and water quality; management of soils and water. This course is cross-listed with GEOL 305. 3 Lecture, 2 Lab. **Prerequisites:** BIOL 141, or ENVH 230, or ES 150, or GEOL 141, or GEOL 145, or GEOL 151, or NRM 210. **Credits:** 4

GEOG 324 - Introduction to Remote Sensing

Interpretation and applications of remote sensing; satellite and aerial imagery, elementary photography, stereoscopic

viewing, and photomapping. 3 Lecture, 2 Lab. **Prerequisites:** GEOG 221, or NRM 213, or permission of instructor. **Credits:** 4

GEOG 350 - Economic Geography

Principles governing world distribution and production of economic and natural resources. **Credits:** 3

GEOG 424 - Advanced Remote Sensing

Interpretation and application of remotely sensed data on the earth's physical and cultural environments; major project required. 3 Lecture. 3 Lab. **Prerequisites:** Permission of instructor. **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) (Liberal Studies P6). Only three hours may count toward Liberal Studies credit. **Credits:** 3, R12

GEOG 444 - Political Geography

Territorial and cultural elements in the formation of national and international boundaries; case studies. **Credits:** 3

GEOG 491 - Topics in Geography

Presentation and discussion of subjects of current interest. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

GEOG 493 - Special Problems

Directed individual research on selected topics. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

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 (Liberal Studies C5). **Credits:** 3

GEOL 141 - Earth History and Prehistoric Life

An examination of the origins and history of the Earth and life, based on fossils and the rock record. This will include geological, paleontological, and biological concepts (e.g., plate tectonics, how fossils form, prehistoric creatures such as dinosaurs) **Credits:** 3

GEOL 145 - Climate Change and Water Resources

This course introduces the concepts of climate, climate changes and interconnection of energy, climate with water resources through understanding the structure and processes within our atmosphere, patterns of global climate change over time, global warming and the water cycle, and human behaviors in terms of how likely they are to ensure the ability to live sustainably. This course also highlights the interconnections among climate change and affiliated water resource issues, by examining human influences, and synergistic linkages between climate change and freshwater quality and availability (Liberal Studies C5). **Credits:** 3

GEOL 151 - Earth: Geology, Resources, Hazards, and Environment

The course will study a variety of geoscience topics related to the earth materials, plate tectonics, natural hazards- from volcanoes to flooding, and earth physical resources- from rocks to water. These topics will be explored through field, analytical, research and computing methods, and developing investigation and communication skills. In the exploration, students will learn about the planet we live on, examine critical societal issues, and learn how to make a difference in stewardship of the earth. 2 Lecture, 2 Lab (Liberal Studies C5). **Credits:** 3

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. **Prerequisites:** GEOL 140. **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 (Liberal Studies C5). **Prerequisites:** (GEOL 141 or GEOL 151) and the completion of, or concurrent enrollment in either CHEM 132 or CHEM 139; or permission of instructor. **Credits:** 3

GEOL 302 - Geomorphology

An exploration of the Earth's landscapes and the natural and anthropogenic processes that shape them; example topics are streams, landslides, weathering, glaciers, and climate change. Students will

approaches to **Prerequisites:** ES 150, or GEOL 141, or GEOL 145, or GEOL 151, or NRM 210. **Credits:** 4

GEOL 305 - Soils and Hydrology

Soil genesis, properties, and classification; the hydrologic cycle; surface runoff and groundwater; water budgets and water quality; management of soils and water. This course is cross-listed with GEOG 305. 3 Lecture, 2 Lab. **Prerequisites:** BIOL 141, or ENVH 230, or ES 150, or GEOL 141, or GEOL 145, or GEOL 151, or NRM 210. **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:** Completion of either PHYS 130 or PHYS 230; and the completion of, or concurrent enrollment in either PHYS 131 or PHYS 231. **Credits:** 4

GEOL 355 - Petrology

Introduction to igneous, sedimentary, and metamorphic rock genesis and their environments of formation; includes hand specimen and optical identification and fieldwork. 3 Lecture, 2 Lab. **Prerequisites:** GEOL 250. **Corequisites:** GEOL 356. **Credits:** 4

GEOL 356 - Advanced Petrology

Petrogenesis of igneous and metamorphic rocks using geochemistry and phase equilibria studies of mineral assemblages under various temperature-pressure conditions. **Corequisites:** GEOL 355. **Credits:** 2

GEOL 371 - Structural Geology

Descriptive structural geology; emphasis on outcrop and regional scale deformational features; use of maps and graphic techniques in structural analysis. 3 Lecture, 3 Lab. **Prerequisites:** GEOL 141 or GEOL 151. **Credits:** 4

GEOL 389 - Cooperative Education in Geology

See Cooperative Education Program. **Credits:** 1 or 3, R15

GEOL 393 - Special Problems in Geology

Supervised research that includes a final oral presentation. Research requirements will vary with credit. **Prerequisites:** Permission of instructor. **Credits:** 1-4, R6

GEOL 394 - Geology Field Trip

An extended field trip to see different geologic environments. **Credits:** 1-3, R4

GEOL 395 - Careers in Earth Science

This seminar is designed for Geology, Environmental Science, and Natural Resources majors when they are about 3 semesters away from graduation, although all 3rd year students interested in careers in the earth sciences are welcome. The seminar will intro **Prerequisites:** Junior Standing. **Credits:** 1

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:** GEOG 305/GEOL 305, or GEOG 302/GEOL 302, or permission of instructor. **Credits:** 4

GEOL 410 - Fluvial Geomorphology

Survey of channel hydraulics, sediment transport and deposition, and channel responses to natural and anthropogenic disturbances; emphasizes factors controlling channel form and process. **Credits:** 3

GEOL 422 - Sedimentation and Stratigraphy

The origin and interpretation of sedimentary rocks, the study of depositional environments, and the use of layered rocks in the interpretation and synthesis of the geologic record. Field trips. 3 Lecture, 2 Lab. **Prerequisites:** GEOL 141 or GEOL 151. **Credits:** 4

GEOL 423 - Contaminated Rivers: Assessment, Remediation, and Restoration

Survey of trace metal transport and fate in riverine environments and their potential impacts on ecosystem and human health; emphasizes remediation techniques. **Credits:** 3

GEOL 455 - Wetlands

Wetland science and management with an emphasis on physical processes and field techniques. **Prerequisites:** Junior or Senior

Standing, or permission of instructor.

Credits: 3

GEOL 465 - Environmental Geochemistry

Applying chemical principles in the study of geologic topics including environmental contaminants, element cycling, environmental reconstruction, and climate change; use of analytical equipment in geochemistry. **Prerequisites:** CHEM 139 and GEOL 151. **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. Field trips. **Prerequisites:** GEOL 355 and GEOL 371, or permission of instructor. **Credits:** 3

GEOL 494 - Topics in Geology

Special course explores a current topic in geology or environmental geology. **Prerequisites:** Junior Standing or permission of instructor. **Credits:** 1-4, R8

GEOL 495 - Senior Seminar in Geology

Investigations of problems in geology and environmental geology. Written and oral presentations of student research. **Prerequisites:** Senior Standing or permission of instructor. **Credits:** 3

GEOL 499 - Senior Thesis

An original research project culminating in a written thesis and public presentation of results. Projects may last 1 or 2 semesters. Senior standing. 4 Lab. **Prerequisites:** Permission of instructor. **Credits:** 2-4, R6

German**GER 101 - Beginning German I**

Students develop basic knowledge about the German-speaking world, and through that content, acquire functional proficiency in German (Liberal Studies P6). **Credits:** 3

GER 102 - Beginning German II

Students build on their functional proficiency in German as they build on their cultural and real-world knowledge of the German-speaking world (Liberal Studies P6). **Prerequisites:** Some competency in German or consultation with instructor. **Credits:** 3

GER 140 - Accelerated Beginning German

This course combines the first two courses in the German language sequence (GER 101 and GER 102) in a single-semester, intensive

course. It is designed for beginners and serves as an introduction to the study of German language and culture. Emphasis on or **Credits:** 6

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 (Liberal Studies P6). **Prerequisites:** GER 102, or equivalent, or placement. **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 (Liberal Studies P6). **Prerequisites:** GER 231, or equivalent, or placement. **Credits:** 3

GER 240 - Accelerated Second-Year German

Combines GER 231 and GER 232 in one semester. Continued development of listening, speaking, reading, and writing; continued study of the culture of the German-speaking world. Extended class period allows for enhanced proficiency. **Prerequisites:** GER 102 or GER 140. **Credits:** 6

GER 301 - German for Everyday Use

Emphasis on communicating in realistic situations in everyday, practical German. (Liberal Studies P6). **Prerequisites:** GER 232, or GER 240, or equivalent, or placement, or permission of department head. **Credits:** 3

GER 310 - Introduction to German Prose and Poetry

Introduction to German literary texts; reading and analysis of literary works. **Prerequisites:** GER 232 or GER 240. **Credits:** 3

GER 321 - German Civilization

Geographical, political, cultural, and historical aspects of Germany. **Prerequisites:** GER 232 or GER 240. **Credits:** 3

GER 331 - Survey of German Literature

Major literary movements, authors, and works since the twelfth century. **Prerequisites:** GER 232 or GER 240. **Credits:** 3

GER 401 - Contrastive Features of German and English

Study of similarities and differences of the two languages regarding phonology, morphology and syntax, and issues concerning L2 acquisition. **Prerequisites:** GER 101 or permission of instructor. **Credits:** 3

GER 431 - Studies in German Literature

Intensive study of an author or authors, genre, literary movement, school, or literary period. **Prerequisites:** GER 232 or GER 240. **Credits:** 3, R6

GER 451 - Advanced German Grammar

Comprehensive study of the more difficult grammatical forms and usages. **Prerequisites:** GER 232 or GER 240. **Credits:** 3

GER 452 - Advanced German Conversation

Discussion of selected topics; oral reports on assigned reading; situational dialogues emphasizing practical, everyday German. **Prerequisites:** GER 232, or GER 240, or instructor permission. **Credits:** 3

GER 481 - Independent Studies in German

Independent Studies in German. **Prerequisites:** GER 232 or GER 240. **Credits:** 1-3, R6

GER 493 - Special Topics in German

Special Topics in German. **Prerequisites:** GER 232 or GER 240. **Credits:** 1-6, R6

Health Education

HEAL 111 - Stress Management for Health and Wellness

An overview of the physiology of stress, including stress management techniques that improve health and wellness, and an integrated physical activity component (Liberal Studies 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 (Liberal Studies 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

History**HIST 107 - World Cultures in Historical****Perspective**

Comparison of Western culture and non-Western cultures; historical developments and their impact on the modern world (Liberal Studies P3). **Credits:** 3

HIST 131 - North American History to 1865

Survey of the North American/American past from its Old and New World origins to the end of the Civil War (Liberal Studies P3). **Credits:** 3

HIST 132 - U.S. History Since 1865

Survey of recent American history from the Reconstruction Period to the present (Liberal Studies P3). **Credits:** 3

HIST 190 - Freshman Seminar

Exploration of various topics in American, European, and Third World history using the seminar method. **Credits:** 3

HIST 210 - African History to 1880

Explores African history to 1880, including cultural development, ethnicities, the slave trade, and colonialism (Liberal Studies P3). **Credits:** 3

HIST 211 - African History Since 1880

Explores the history of modern Africa, including 20th century colonialism, post-colonialism, social, economic, and political developments, and African culture (Liberal Studies P3). **Credits:** 3

HIST 212 - Latin American History I

Indian civilizations; Spanish and Portuguese exploration; the conquistadores; colonial life; consolidation and maturity of empire; influence of the Enlightenment (Liberal Studies P3). **Credits:** 3

HIST 213 - Latin American History II

Revolutions; independence; struggle for political stability; popular government on trial; contests of hegemony; rise of indigenous nationalism (Liberal Studies P3). **Credits:** 3

HIST 218 - Modern Asia

Comparative history of modern Asian nations (Liberal Studies P3). **Credits:** 3

HIST 220 - Ancient Empires: 3000 BCE-3000 CE

A broad interdisciplinary historical survey of ancient civilizations, including Mesopotamia, Egypt, Greece, and early Rome (3000BCE-3000CE) (Liberal Studies P3). **Credits:** 3

HIST 221 - The Birth of Europe: 312-1517

A broad survey of European history from Constantine to Martin Luther (ca. CE 300 - 1500) (Liberal Studies P3). **Credits:** 3

HIST 222 - European History Since 1517

Social, cultural, economic, and political developments that shaped European civilization since the Reformation (Liberal Studies P3). **Credits:** 3

HIST 233 - U.S. Legal History

Survey of law and legal culture in the United States from the Constitution to the present (Liberal Studies P3). **Credits:** 3

HIST 234 - Immigration and Ethnicity in U.S. History

Surveys the immigrant experience in the United States-and U.S. experience with immigration-from the country's founding to the present (Liberal Studies P3). **Credits:** 3

HIST 235 - The History of American Sports

Interaction between sports and American social, economic, and political history (Liberal Studies P3). **Credits:** 3

HIST 236 - Native American Lives

Introduction to Native American history and cultures (Liberal Studies P3). **Credits:** 3

HIST 237 - African American History

Role of African Americans in American history; African background; religious, cultural, economic, and political institutions; segregation, civil rights, citizenship, black nationalism, cultural politics, liberation, and freedom (Liberal Studies P3). **Credits:** 3

HIST 238 - History of American Pop Culture: Music, Movies, and Media

Studies of significant social, economic, and cultural transformations in the United States through popular music, performances, and media; Important developments in technology, social life, and culture (Liberal Studies P3). **Credits:** 3

HIST 239 - American Women's History

This course is a survey of American Women's History from the 17th century through the 20th century (Liberal Studies P3). **Credits:** 3

HIST 240 - History of Hip-Hop

The History of Hip Hop course is a historical examination of the African Diasporic cultural continuity exemplified by Hip Hop culture. The course involves the analyzing of Hip Hop culture in an African Diasporic historical framework. The course explores h
Credits: 3

HIST 250 - Urban History: Cities and Suburbs in the United States

Explores the social, cultural, and political history of cities and suburbs in the United States (Liberal Studies P3). **Credits:** 3

HIST 271 - Religion in America

An introduction to religion in the United States, with an emphasis on the rich diversity of religious practice and religious texts in the nation (Liberal Studies P4).
Credits: 3

HIST 281 - Transformations in European Religious History

An examination of religious texts and history in European culture (Liberal Studies P4). **Credits:** 3

HIST 297 - Sophomore Seminar

Historical methods, historiography, and directed research. **Credits:** 3

HIST 301 - Modern Chinese History: From the Middle Kingdom to the People's Republic

Social, cultural, and political history from the last Chinese dynasty to contemporary China. Closed to students with 0-29 hours.
Credits: 3

HIST 302 - India in the Modern World

Social, cultural, and political history of India from the Mughal empire to contemporary times. Closed to students with 0-29 hours.
Credits: 3

HIST 303 - The African Diaspora

This course is about the dispersal and experience of people of African descent from around the world from the earliest time to the present. Closed to students with 0-29 hours (Liberal Studies P3). **Credits:** 3

HIST 306 - Inter-American History

Examines the political, economic, social, and cultural interplay of the U.S., Central America, and South America since the mid-19th century. **Credits:** 3

HIST 308 - Explorations in Regional History

Examinations of select regions and the groups which influenced their historical evolution. Closed to students with 0-29 hours (Liberal Studies P3). **Credits:** 3, R12

HIST 310 - Teaching World History

Methods, content, and assessment for the North Carolina secondary core requirements in World History.

Prerequisites: HIST 395 and admission to Teacher Education. **Corequisites:** HIST 405.
Credits: 1

HIST 311 - Ancient Greece and Rome

Cultural, intellectual, and political developments in Greece and Rome, including the origins of Christianity. Closed to students with 0-29 hours (Liberal Studies P3). **Credits:** 3

HIST 312 - The Early Middle Ages

An interdisciplinary survey of European history and material culture from the end of Rome through the Viking Age (CE 500 - 1000). **Credits:** 3

HIST 313 - Medieval Europe

A survey of medieval western European history from the Viking Age through the Black Death (ca. CE 1000 - 1400). **Credits:** 3

HIST 314 - Early Modern Europe

Social, political, and economic interactions between Christians, Muslims, and Jews, 1250-1650. Closed to students with 0-29 hours. **Credits:** 3

HIST 315 - Renaissance and Reformation

Humanism; Renaissance politics; Protestant Reformation and Catholic Reform; Wars of Religion. Closed to students with 0-29 hours (Liberal Studies P3). **Credits:** 3

HIST 317 - History of 20th 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 students with 0-29 hours (Liberal Studies 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 students with 0-29 hours (Liberal Studies P3). **Credits:** 3

HIST 331 - Colonial America, 1492-1763
Political, social, economic, and cultural characteristics. Closed to students with 0-29 hours. **Credits:** 3

HIST 332 - The Revolutionary Era, 1763-1800
Causes and effects of the revolution; the War for Independence; the Constitution; the Federalist Era. Closed to students with 0-29 hours. **Credits:** 3

HIST 334 - Civil War and Reconstruction, 1848-1877
Sectional differences; the secession movement; role of slaves; Emancipation; military operations; Reconstruction. Closed to students with 0-29 hours. **Credits:** 3

HIST 335 - History of Capitalism
Rise and spread of capitalism from the ancient world to the present. Closed to students with 0-29 hours (Liberal Studies P3). **Credits:** 3

HIST 336 - The U.S. in the Age of Capital
Impact of the growth and conflict of organized industry and labor, agrarian decline and revolt, nationalism, segregation, American Imperialism, progressive reform, and World War I on twentieth century America. Closed to students with 0-29 hours. **Credits:** 3

HIST 337 - History of Slavery
The origins, development, and evolution of race and slavery in the Atlantic World, the North American colonies, and the United States. Closed to students with 0-29 hours (Liberal Studies P3). **Credits:** 3

HIST 338 - Antebellum America
United States history, 1800-1850, including national politics, westward expansion, Native American relations, religious revivalism, and slavery. Closed to students with 0-29 hours. **Credits:** 3

HIST 339 - The Long Civil Rights Movement
Studying the civil rights movement from the 19th century to the present; intersections

between race, gender, labor, sexuality, and foreign policy. Closed to students with 0-29 hours. **Credits:** 3

HIST 340 - Introduction to Oral History
Explores the uses of oral history, its relationship to other research techniques, the components of interviewing, and the field's numerous ethical, legal, and archival issues. Closed to students with 0-29 hours. **Credits:** 3

HIST 341 - North Carolina History
The social, political, economic, and ethnic history of North Carolina from the colonial era to the present. Closed to students with 0-29 hours (Liberal Studies P3). **Credits:** 3

HIST 342 - American Diplomatic History
US foreign relations from the colonial period to modern times. **Credits:** 3

HIST 345 - Modern Native America
Native American history from the late nineteenth century to the present; exploration of contemporary issues of sovereignty and self-determination. Closed to students with 0-29 hours. **Credits:** 3

HIST 348 - The American West
Explores the history and literature of the trans-Mississippi West from the time of discovery through the present, emphasizing the period since 1800. Closed to students with 0-29 hours. **Credits:** 3

HIST 349 - Biography, Memoir, and Autobiography in History
Methods in crafting historical biographies; studies of memoirs, first-person narratives, and autobiographies as historical sources. Closed to students with 0-29 hours. **Credits:** 3

HIST 350 - Introduction to Public History
Explores the history of representations of the past such as memorials and historic sites, and considers the issues confronting historians who work in these settings. Closed to students with 0-29 hours. **Credits:** 3

HIST 351 - History of American Education
This course explores the history of education in America, offering a broad overview of important themes in American schooling from the colonial era to the

present. Closed to students with 0-29 hours (Liberal Studies P3). **Credits:** 3

HIST 352 - Cherokee History

Examines pre-contact Cherokee society; acculturation; removal; post-removal development of the Cherokee Nation West and the Eastern Band of the Cherokees. Closed to students with 0-29 hours. **Credits:** 3

HIST 366 - History of the Atlantic World

Explores the rich history of the Atlantic World, examining the historical development and interaction of the New World, Africa, and Europe since the sixteenth century. **Credits:** 3

HIST 375 - Middle East Since Mohammed

Introduction to Middle East history from the spread of Islam to the present. Closed to students with 0-29 hours (Liberal Studies P3). **Credits:** 3

HIST 395 - Building a Democratic Classroom

An introduction into teaching methods in social sciences. Philosophy, methods, pedagogy and materials for democratic education. **Prerequisites:** Permission of department head. **Corequisites:** PSC 406. **Credits:** 3

HIST 401 - History of Sexualities in Africa

Research-based course examining the historical and cultural construction of sex and sexualities in Africa since the precolonial period. The idea of "sexual change" will be emphasized in order to educate students about how significant epochs such as the tr **Credits:** 3

HIST 402 - History of Peace and Conflict in Africa

Research-based course examining peace, religious, political, ethnic, and territorial conflict and nation-building in Africa. **Credits:** 3

HIST 405 - Methods for Teaching Social Sciences

Methods, materials, curriculum, and trends in teaching secondary social sciences. Field experience required. Closed to students with 0-29 hours. **Prerequisites:** HIST 395, PSC 406, and admission to Teacher Education. **Corequisites:** HIST 310. **Credits:** 3

HIST 406 - Revolutionary Latin America

Examination of revolutions in Latin America since 1900. **Credits:** 3

HIST 413 - Europe in the Eighteenth Century

The Old Regime; wars of expansion; the Enlightenment; the French Revolution and Napoleon. Closed to students with 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 students with 0-29 hours. **Credits:** 3

HIST 415 - Early Modern Travel

Research-based course examining travel writing, trade, and empire, religious travel; geography and map-making history and ethnography; fictitious travel. Closed to students with 0-29 hours. **Credits:** 3

HIST 416 - Europe in the Twentieth Century

World War I; the Paris Peace Conference; domestic developments; the rise of "isms" in Russia, Italy, and Germany; World War II; postwar reconstruction and reorganization; the Cold War. Closed to students with 0-29 hours. **Credits:** 3

HIST 417 - Renaissance Republics

Research-based course examining Greco-Roman republican traditions; Renaissance theories of republicanism; republicanism and Christianity; republics and monarchies. Closed to students with 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 students with 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 students with 0-29 hours. **Credits:** 3

HIST 430 - North American Frontiers

Research-based course that examines the history and significance of North American frontiers, backcountries, and borderlands during colonial, revolutionary, and early national periods. Closed to students with 0-29 hours. **Credits:** 3

HIST 437 - 19th Century American Social Reform

Research-based course that is a thematic examination of social reform movements in nineteenth-century America, such as abolitionism, temperance, women's rights, sabbatarianism, public education, and body reforms. Closed to students with 0-29 hours. **Credits:** 3

HIST 438 - U.S. in the Cold War: A Global Perspective

Research-based course that examines economic, political, technological, military, and cultural components of the Cold War; Global perspectives on U.S. actions and non-US actors. Closed to students with 0-29 hours. **Credits:** 3

HIST 439 - American Gender History

Research-based course examining topics in studies of gender and sexuality; explorations on how gender varied over time and was a key component of politics, economics, social relations, and culture. Closed to students with 0-29 hours. **Credits:** 3

HIST 443 - The American South

Research-based course examining the social structure and economic interests of the Antebellum South; impact of Civil War and Reconstruction; the New South; the 20th Century South; emphasis on regional differences and social transition. Closed to stud **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 students with 0-29 hours. **Credits:** 3

HIST 451 - Women's History in Global Perspective

International study of women's history; conflicting and changing ideologies of femininity and sexuality; women in the family, workplace, and politics. Closed to students with 0-29 hours. **Credits:** 3

HIST 453 - Latinos in the U.S.A.: Work, Culture, and Politics

Research-based course that explores the making of America's largest minority group, from the middle of the nineteenth century to the present. Closed to students with 0-29 hours. **Credits:** 3

HIST 454 - American Military History

Military affairs in the United States from the Revolution to the present; emphasis on war as a social institution. Closed to students with 0-29 hours. **Credits:** 3

HIST 455 - American Religious History

Research-based course investigating the impact that religion has had on our nation's history and how religious traditions have been shaped by their encounter with American culture. Closed to students with 0-29 hours. **Credits:** 3

HIST 460 - Environmental History

A case-study based seminar focusing on key works in American and Global environmental history. **Credits:** 3

HIST 470 - History and Memory in the American South

A research-based course examining historical memory and commemoration in the American South; controversies over public interpretation of the southern past; examination of heritage sites, tourist attractions, and public memorials. Closed to students with 0 **Credits:** 3

HIST 472 - Local History

A research-based course on the role of individual communities in shaping state, regional, and national developments; in-migrations, out-migrations, cultural migrations; emphasis on research techniques and local resources. Research and fieldwork. Closed to **Credits:** 3

HIST 473 - Museum Studies

A research-based course that examines the history of museums in the United States, theories and practices of exhibit development and audience evaluation, and the issues confronting historians who work in museums. Closed to students with 0-29 hours. **Credits:** 3

HIST 475 - History and Genealogy

A seminar on the history, theory, and practice of genealogy with particular emphasis on the role of family history as

public history. Closed to students with 0-29 hours. **Credits:** 3

HIST 476 - Studies in Historic Preservation

A research-based course that examines the history and theory of preservation, the role of the state, local and federal governments in shaping preservation activities and policies, and the issues confronting historians who work in the field. Closed to stud **Credits:** 3

HIST 483 - Public/Applied History Capstone Internship

Career exploration through internships in public and applied history; Strategies to help history majors apply skills and knowledge in professional settings. **Prerequisites:** HIST 350. **Credits:** 3

HIST 484 - Internship Project in History

Work experience on historical problems; written assignments required. S/U grading. Nine hours per week per course. Closed to students with 0-29 hours. **Credits:** 3

HIST 485 - Internship Project in History

Work experience on historical problems; written assignments required. S/U grading. Nine hours per week per course. Closed to students with 0-29 hours. **Credits:** 3

HIST 491 - Supervised Student Teaching in Social Sciences, 9-12

A full-time supervised teaching experience in Social Sciences. Closed to freshmen 0-29 hours. **Corequisites:** EDSE 485 and EDSE 495. **Credits:** 3

HIST 493 - Topics in History

Closed to students with 0-29 hours. **Credits:** 1-3, R12

HIST 499 - Senior Thesis

Directed research for history majors. **Prerequisites:** HIST 297, 3.20 GPA in History courses, and permission of department head. **Credits:** 3

Health and Physical Education

HPE 212 - Foundations of Health and Physical Education

The basic physiological, psychological, and sociological principles and historical foundations. **Credits:** 2

HPE 223 - Applied Kinesiology I - Anatomy, Physiology & Biomechanics

The study of the structure, function and physiology of the human body as related to

physical activity, exercise, and sports.

Credits: 4

HPE 225 - Applied Kinesiology II

The study of the acute and chronic effects of exercise on the human body.

Prerequisites: BIOL 291 or HPE 223. **Credits:** 4

HPE 235 - Motor Behavior

Motor learning, development and control theories and applications. **Credits:** 3

HPE 240 - Care and Prevention of Athletic Injuries

Prevention of injuries, bandaging, and the treatment of basic injuries in varsity athletics. **Credits:** 3

HPE 253 - Sport Education

Methods and teaching a Sport Education curricular model for team sports.

Prerequisites: Health and Physical Education majors only. **Credits:** 3

HPE 255 - Mental and Emotional Health for Teachers and Their Students

Strategies to properly and effectively manage emotional health and stress for K-12 teachers and their students. **Credits:** 3

HPE 256 - Physical Education Pedagogy

Foundational pedagogy course designed to develop knowledge of effective instruction in physical education. **Credits:** 3

HPE 305 - Adventure-Based Learning

Adventure-based learning and wilderness leadership. Use of games, initiatives, trust, and challenge/peak experiences in educational settings. **Credits:** 3

HPE 311 - Evaluation & Assessment in Health & Physical Education

Assessment in K-12 health and physical education, including tests of fitness, skill, and motor performance, measuring the cognitive and affective domains, and grading procedures. **Credits:** 3

HPE 312 - Health Education Pedagogy

Comprehensive health education including a philosophy and strategies for teaching comprehensive health education, and study of selected topics related to personal and community health problems. **Credits:** 3

HPE 320 - Performance Testing and Prescription

The purpose of this course is to provide students with theoretical and practical knowledge of the techniques used in performance testing and prescription for athletes. **Credits:** 3

HPE 325 - Pedagogy & Prevention of Risky Behaviors K-12

Pedagogy course concerning high risky behaviors in the K-12 population. Provides strategies for the instruction of risky behavior prevention. **Credits:** 3

HPE 345 - Children's Movement

Developmental approach to physical education for children. Curriculum implementation in field-based settings required. **Prerequisites:** HPE 256. **Corequisites:** HPE 346. **Credits:** 3

HPE 346 - Educational Dance and Gymnastics

A competency-based course of methods and materials in rhythmical dance and gymnastics. **Prerequisites:** HPE 256. **Corequisites:** HPE 345. **Credits:** 2

HPE 350 - Current Health Problems

Incidence, diagnosis, treatment, rehabilitation, and prevention of leading community health problems; addictions; individual, family, and community effects; positive mental health as a deterrent. **Credits:** 3

HPE 354 - Lifetime Sport & Physical Activity I

Methods, materials, and skills used in teaching sports: badminton, tennis, and pickle-ball. **Credits:** 2

HPE 355 - Fitness Concepts

This course is designed as practical application of fitness, wellness, and conditioning concepts. The student will be actively engaged in planning program design for others. **Credits:** 3

HPE 358 - Healthy Living Concepts

Pedagogy course designed to enable students to implement the healthful living standards emphasizing nutrition and physical activity concepts to reduce and prevent obesity. **Credits:** 3

HPE 360 - Sexual Health Throughout the Lifespan

Factual information of sexual anatomy and functioning; concepts of sexually

transmitted diseases and AIDS; and how decisions, behaviors, and lifestyles may affect our health. **Credits:** 3

HPE 364 - Lifetime Sport & Physical Activity II

Methods, materials, and skills used in teaching sports: swimming, disc golf, and golf. **Credits:** 2

HPE 365 - Physical Activity and Aging

This course will provide students with an understanding of the role physical activity plays in increasing health, wellness, and decreased disability as a person ages. **Credits:** 3

HPE 370 - Exercise Physiology

This course is designed to provide a comprehensive understanding and application of physiological functions as they apply to human movement and exercise performance and optimal health. **Prerequisites:** BIOL 291 and BIOL 292. **Credits:** 4

HPE 375 - Psychological Aspects of Physical Activity

The psychological and sociological aspects of physical activity as they relate to individuals, cultural values, and societal institutions. **Credits:** 3

HPE 424 - Adapted Movement & Wellness

Overview of current concepts and trends in adapted physical education. Topics include: legal rights, disabilities, assessment, planning, and physical activities for exceptional children. 3 Lecture, 1 Lab. **Prerequisites:** HPE 256 or permission of instructor. **Credits:** 3

HPE 425 - Health and Physical Education Curriculum Development

Class management, teaching methods, and program content for grades K-12. **Prerequisites:** Admission to the Professional Education Sequence. **Corequisites:** HPE 488. **Credits:** 3

HPE 430 - Culturally Responsive Classroom Management for Health & Physical Education

The course provides teacher candidates with the opportunity to learn the characteristics of and the strategies for successful classroom management in the health and physical education setting. Topics include social & emotional learning,

teaching personal **Prerequisites:** Admission to Teacher Education. **Credits:** 3

HPE 488 - Health & Physical Education Internship I

A part-time internship in health and physical education. **Prerequisites:** Admission to the Professional Education Sequence. **Corequisites:** HPE 425. **Credits:** 1-3

HPE 489 - Health & Physical Education Internship II

A 15-week internship in physical education instruction. **Prerequisites:** Admission to the Professional Education Sequence. **Corequisites:** HPE 496. **Credits:** 9

HPE 496 - The Healthful Living Teacher as Leader

Concepts of curriculum, instructional, and professional leadership are examined. Subscription to TaskStream © required.

Prerequisites: Admission to the Professional Education Sequence.

Corequisites: HPE 489. **Credits:** 3

Health Sciences

HSCC 101 - Nutrition, Fitness, and Wellness

Dimensions of human wellness with an emphasis on physical health. Application of skills will be encouraged, and self-responsibility will be highlighted. 1 hour supervised physical activity every other week (Liberal Studies C4). **Credits:** 3

HSCC 191 - Does Inequality Make You Sick?

A study of genetic, environmental, social, and economic influences as determinants of health, introducing an approach to problem solving using scientific, ethical, and social data. **Credits:** 3

HSCC 192 - Introduction to Health Professions

Exploration of health professions, the health sciences, and the preparation, values, and perspectives of health professionals; roles and responsibilities of members of the health care team. **Credits:** 3

HSCC 205 - Women's Health

Discussion of significant contemporary health issues that impact women around the world and across the lifespan (Liberal Studies P6). **Credits:** 3

HSCC 311 - Systems and Trends in Health Care Delivery

Overview of theories and principles concerning health, disease, and the delivery system. Examination of emerging trends and issues and their relationship to the delivery system. **Prerequisites:** Health Sciences major or permission of instructor. **Credits:** 3

HSCC 318 - Department Administration

Principles of supervision and administration as applied in health care departments. Emphasis on communication and problem-solving related to planning, organizing, directing, controlling, and budgeting. **Credits:** 3

HSCC 322 - Medical Terminology

The meaning, construction, and use of terms in the medical and health sciences; standard medical abbreviations. **Credits:** 3

HSCC 330 - Legal and Legislative Aspects of Health Care

The legal aspects of healthcare and legislative forces affecting it; impact on practitioners. **Credits:** 3

HSCC 331 - Rehabilitation and Sports Medicine Professions

Exploration of graduate health professions in rehabilitation and sports medicine, including athletic training, occupational therapy, physical therapy, recreational therapy, and speech language pathology. **Credits:** 1

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 (Liberal Studies P6). **Credits:** 3

HSCC 440 - Quality Management in Health Care Agencies

Quality management terminology, methodology, principles, and selected case studies utilized in healthcare agencies as a vehicle for organizational research. Introduction of managed care. **Prerequisites:** Health Sciences major or permission of instructor. **Credits:** 3

HSCC 450 - Financial Management in Health Care

Selected knowledge and skills related to budgeting and the financial management of clinical departments and service units.

Credits: 3

HSCC 470 - Research Methods in Health Science

Overview of methodology and analysis for inquiry in health sciences, designed to prepare Health Sciences majors for assessing and conducting research. **Credits:** 3

HSCC 471 - Research Project

Completion of a research study where the student works independently under the direction of a faculty adviser, within their discipline, in conducting and documenting research. **Prerequisites:** HSCC 470. **Credits:** 1-3, R6

HSCC 472 - Principles of Epidemiology

This is an introduction to epidemiology as a body of knowledge and a method for analyzing community health problems. **Prerequisites:** ENVH 200, MATH 170, and Junior Standing. **Credits:** 3

HSCC 475 - Senior Capstone

This course is the culminating experience for Integrated Health Science majors. Students will apply knowledge and skills in an experiential learning project to prepare for professional life after college. **Prerequisites:** Integrated Health Sciences major, and the completion of, or concurrent enrollment in the following: ECON 354, (ENVH 470 or HSCC 472), PAR 332, and SOC 456. **Credits:** 3

HSCC 493 - Special Topics

Special Topics. **Credits:** 1-3

Hospitality and Tourism Management

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 232 - Customer Relationship Management

Building competencies in providing quality customer service in hospitality and tourism industries. This course will create a unified approach to quality service, recognizing the importance of sustainable and hospitable

environment planning, organizational

Credits: 3

HT 238 - Travel and 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 (Liberal Studies P6). **Credits:** 3

HT 241 - Introduction to Events, Conferences, and Festival Management

This course is designed to understand, challenge, and refine the principles of festival, conference, and event management. Theories and concepts of the event industry will be explored with emphasis on identifying themes and systematic processes for operat **Credits:** 3

HT 283 - Hospitality Apprenticeship

HT 283 is a one-credit experiential course with a Professional Development Seminar Series. **Credits:** 1

HT 293 - Topics

Topics. **Credits:** 1-3, R12

HT 334 - Food & Beverage Management

This course is designed to understand, challenge, and refine the principles of food and beverage management within hospitality management. Theories and concepts of food & beverage management will be explored with an emphasis on identifying themes and syst **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 - Advanced Event & Conference Management

This course is designed to understand, challenge, and refine the advanced principles of meetings, conventions, and event planning management. Theories and concepts of the MEEC industry will be

explored with emphasis on identifying themes and systematic pr **Prerequisites:** HT 241. **Credits:** 3

HT 389 - Cooperative Education

See Cooperative Education Program.

Credits: 1-3, R15

HT 431 - Hospitality and Tourism Marketing

A service management approach to the study of hospitality and tourism. Marketing is viewed as an activity that pervades all hospitality decisions and actions. **Credits:** 3

HT 432 - Hospitality Supervision

Principles and practices of supervision as they apply specifically to meeting the unique labor and service challenges of the hospitality industry. Includes CPR certification. Senior Standing (a minimum of 90 hours) is required. **Prerequisites:** Senior Standing. **Credits:** 3

HT 434 - Advanced Club Management

In-depth study of the club manager's leadership role and responsibilities in operating a successful private club.

Prerequisites: HT 336. **Credits:** 3

HT 435 - Financial Management and Analysis in the Hospitality Industry

An in-depth analysis of hospitality pricing decisions, pricing fluctuations, and the key KPI's that are used to drive strategic financial decisions. Students will participate in forecast revenue modeling paralleled with executable digital marketing strat

Prerequisites: HT 335. **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 - Capstone: Hospitality & Tourism Management Strategy & Systems

This course is designed as a Hospitality & Tourism capstone course. The course provides an opportunity for students to

evaluate, analyze, and apply strategic analysis of hospitality and tourism organizations. This course will integrate an experiential lea **Prerequisites:** Senior Standing. **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 - Contemporary Casino Management

History, development, and management of casinos and gaming. Investigates the economics, moral, and cultural issues of gaming. Field trip required. **Credits:** 3

HT 480 - Independent Study

Independent Study **Credits:** 1-3, R6

HT 483 - Internship

Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. 9 hours per week per course. **Prerequisites:** Permission of instructor. **Credits:** 3

HT 484 - Internship

Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. 9 hours per week per course. **Prerequisites:** Permission of instructor. **Credits:** 3

HT 485 - Internship

Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. 9 hours per week per course. **Prerequisites:** Permission of instructor. **Credits:** 3

HT 493 - Topics

Topics. **Credits:** 1-12

IDES 240 - Materials & Codes

Overview of building codes and regulations including their importance and impact on interior design solutions aligned with health, safety and welfare, and a range of interior materials and their properties, sustainable attributes, fabrication, performance **Corequisites:** IDES 253. **Credits:** 3

Interior Design

IDES 250 - Introduction to Interior Design

The study of design as applied to creative problem solving within the interior environment (Liberal Studies 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 253 - Visual Communication in ID

Overview of digital and manual methods of visually communicating design solutions. **Corequisites:** IDES 240. **Credits:** 3

IDES 255 - Space Planning

Introduction to space planning for residential and commercial environments. Topics explored include zoning, furniture placement, circulation, and accessibility. 6 Studio. **Prerequisites:** IDES 250. **Credits:** 3

IDES 256 - Perspective Drawing

Visualization of space through various perspective views to illustrate a design concept using rendering drawing techniques. 6 Studio. **Prerequisites:** IDES 250 and ART 132. **Credits:** 3

IDES 258 - CADD for Interior Design I

The application of computer-aided drafting as a design tool for the interior designers. **Credits:** 3

IDES 259 - Design Thinking

Design Thinking is a process that aides in systematically extracting, teaching, learning, and applying designer's human-centered techniques to solve problems in a creative and innovative way. We will explore design thinking as it relates to programming fo **Prerequisites:** IDES 250 and IDES 253. **Credits:** 3

IDES 351 - Lighting Design

Lighting design in residential and commercial spaces and the vital impact it plays on interiors. 6 Studio. **Prerequisites:** IDES 255. **Credits:** 3

IDES 352 - Junior Studio I

The application of the design process to the development of small-scale residential and/or commercial environments. 5.5 Studio. **Prerequisites:** IDES 255 and IDES 256. **Credits:** 3

IDES 355 - History of Furniture and Design

Development of art, architecture, and furniture from nineteenth century to the present. **Credits:** 3

IDES 356 - Junior Studio II

The application of the design process to the development of small-scale residential and/or commercial environments. 5.5 Studio. **Prerequisites:** IDES 351 and IDES 352. **Credits:** 3

IDES 357 - Kitchen and Bath Design I

Utilizing the standards established by The National Kitchen and Bath Association, students learn how to properly design and document safe and functional kitchen and bath environments. 6 Studio. **Prerequisites:** IDES 351 and IDES 352. **Credits:** 3

IDES 359 - CADD for Interior Design II

Introduction to Computer-Aided Drafting and Design (CADD). Explores topics to include CADD basics, basic construction techniques, 2-D orthographic drawings, dimensioning, creating blocks, 3-D modeling, and plotting (printing). **Prerequisites:** IDES 258. **Credits:** 3

IDES 360 - 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:** IDES 351 and IDES 352. **Credits:** 3

IDES 450 - Senior Studio I

Design of medium to large-scale residential and/ or commercial environments, which may include historical and/or cultural aspects. 5.5 Studio. **Prerequisites:** IDES 352 and IDES 355. **Credits:** 3

IDES 451 - Kitchen and Bath Design

The further development of skills utilized in solving cabinetry related design applications. 6 Studio. **Credits:** 3

IDES 453 - Senior Research

This studio course is the pre-requisite course for IDES 457- Senior Capstone. This new course (IDES 453- Senior Research) guides students in completing a comprehensive capstone project that integrates scholarly research for design solutions that are groun **Prerequisites:** IDES 356 and IDES 359. **Credits:** 3

IDES 455 - Senior Studio II

Design of medium to large-scale residential and/or commercial environments, which may include historical and/or cultural aspects. 5.5 Studio. **Prerequisites:** IDES 356 and IDES 450. **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 465 - Travel Studies in Interior Design

This course is structured to immerse students in design settings and the cultural heritage of an international or domestic travel destination. **Prerequisites:** Permission of instructor. **Credits:** 3, R6

IDES 480 - Independent Study in Interior Design

Independent Study in Interior Design. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

IDES 483 - Internship

Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. **Prerequisites:** Permission of program director. **Credits:** 3

IDES 493 - Topics in Interior Design

Examination of current topics and trends in interior design. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

International Studies**INST 200 - Introduction to International Studies**

This class provides students with an introduction to the ins and outs of WCU's International Studies (INST) major. At its core, the discipline of International Studies teaches students to think across perspectives, to make connections between local and g **Credits:** 3

INST 400 - International Studies Capstone

This capstone class serves as a culminating experience for students completing the BA degree in International Studies. The heart of the course is built around a research project, in which students identify an unrelenting global problem falling within the **Prerequisites:** International Studies major with Junior or Senior Standing. **Credits:** 3

INST 480 - Independent Study

This course allows students the opportunity to independently develop, pursue, and engage in research related to their international studies major. **Prerequisites:** INST 200 and Junior or Senior Standing. **Credits:** 3

INST 483 - Internship in International Studies

The three-credit International Studies internship provides an opportunity for INST students to gain applied experience, expand their professional networks, and explore their career options by pairing their classroom education with practical job experience **Credits:** 3

INST 493 - Topics in International Studies

This special topics course will allow students to explore a subject beyond the standard international studies curriculum. **Prerequisites:** INST 200 and Junior or Senior Standing. **Credits:** 3

Japanese**JPN 101 - Beginning Japanese I**

Introduction to the study of Japanese language and culture. Emphasis on speaking (Liberal Studies P6). **Credits:** 3

JPN 102 - Beginning Japanese II

Continued study of Japanese language and culture. Emphasis on speaking (Liberal Studies P6). **Prerequisites:** JPN 101 or equivalent. **Credits:** 3

JPN 140 - Accelerated Beginning Japanese

This course combines the first two courses in the Japanese language sequence (JPN 101 and JPN 102) in a single-semester, intensive course. It is designed for beginners and serves as an introduction to the study of Japanese language and culture. Emphasis o **Credits:** 6

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 (Liberal Studies P6). **Prerequisites:** JPN 102 or equivalent. **Credits:** 3

JPN 232 - Intermediate Japanese II

Continued study of Japanese language and culture with emphasis on oral development (Liberal Studies P6). **Prerequisites:** JPN 231 or equivalent. **Credits:** 3

JPN 240 - Accelerated Intermediate Japanese

This course combines the third- and fourth-semester Japanese language sequence (JPN 231 and JPN 232) in a single-semester, intensive course. It is open to any student who has completed JPN 102 or JPN 140. This course takes students through the intermediate **Prerequisites:** JPN 102 or JPN 140. **Credits:** 6

JPN 301 - Third Year Japanese I

Continued study of Japanese language (composition) and culture (Liberal Studies P6). **Prerequisites:** JPN 232 or permission of instructor. **Credits:** 3

JPN 302 - Third Year Japanese II

Continued study of Japanese language and culture. **Prerequisites:** JPN 232 or permission of instructor. **Credits:** 3

JPN 305 - Introduction to Japanese Literature in Translation

Overview of Japanese literature in translation. **Credits:** 3

JPN 306 - Anime, Manga and Japan

Exploration of anime and manga to take a deeper look in Japanese language, culture, people, society, and its current issues. **Credits:** 3

JPN 307 - Japanese Language in Cinema

Exploration of the use of Japanese language, and its social/cultural contexts, in film (classic to contemporary). **Credits:** 3

JPN 308 - Japanese Calligraphy

This course introduces students to Japanese calligraphy, emphasizing not only the art and technique of creating calligraphy, but also the history and sociological aspects of this pillar of traditional Japanese culture. **Prerequisites:** Sophomore Standing. **Credits:** 3

JPN 393 - Special Topics in Japanese

Special Topics in Japanese **Prerequisites:** JPN 232. **Credits:** 3, R12

JPN 451 - Advanced Japanese Grammar

Continued study of Japanese language and culture. **Prerequisites:** JPN 301 or permission of instructor. **Credits:** 3

JPN 452 - Advanced Japanese Conversation

Continued study of Japanese language (conversational) and culture. **Prerequisites:** JPN 302 or permission of instructor. **Credits:** 3

JPN 481 - Independent Study

Independent Study in Japanese. Students may choose either a language proficiency option or research option. **Prerequisites:** JPN 301 or equivalent with permission of instructor. **Credits:** 3, R6

JPN 482 - Capstone Experience in Japanese

In this 1-credit, independent study course, students will actively prepare to take one or more Japanese language proficiency tests that are administered to students completing a minor or other degree program in Japanese. At the end of the semester in which **Prerequisites:** Completion of, or concurrent enrollment in JPN 301. **Credits:** 1

JPN 493 - Special Topics in Japanese

Special topics in Japanese. For summer travel courses and study abroad courses only. **Prerequisites:** Permission of instructor. **Credits:** 3, R12

Latinx Studies

LATX 220 - Introduction to U.S. Latinx Studies

An interdisciplinary examination of Latinx communities, cultures, and experiences in the U.S. (Liberal Studies P6). **Credits:** 3

LATX 495 - Seminar in U.S. Latinx Studies

Capstone Seminar in U.S. Latinx Studies. An advanced interdisciplinary course synthesizing the different aspects of Latinx communities, cultures, and experiences in the U.S. **Prerequisites:** LATX 220. **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 (Liberal Studies 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 (Liberal Studies P4). **Credits:** 3

LAW 230 - Legal and Ethical Environment of Business

Social responsibility of business; ethics, legal concepts, and legislation and administrative decisions having an impact on business. **Credits:** 3

LAW 275 - Business Organization

Traditional and emerging forms of business organizations and their governance.

Prerequisites: Completion of, or concurrent enrollment in LAW 230. **Credits:** 3

LAW 285 - Alternative Dispute Resolution

Conflict resolution theory and development of communication skills. Study of dispute resolution options such as mediation and arbitration. **Credits:** 3

LAW 302 - Legal Aspects of Managing Technology

Study of the relationship of law in the information age to a range of controversial issues regarding intellectual property rights, privacy, biotechnology, e-commerce, and antitrust. **Credits:** 3

LAW 303 - Unfair Business Practices

The regulation of unfair and deceptive business practices. **Credits:** 3

LAW 306 - Women and the Law

The study of the legal history of issues relating to women; case-law and legal precedent; statutory and constitutional law; and current legal issues surrounding women (Liberal Studies P4). **Credits:** 3

LAW 320 - International Business Law

Regulation of business in the global environment. **Prerequisites:** LAW 230. **Credits:** 3

LAW 331 - Contracts and Sales

Law of contracts, sales, and Uniform Commercial Code. **Prerequisites:** LAW 230 or permission of instructor. **Credits:** 3

LAW 348 - Bankruptcy

An introduction to bankruptcy law including its source, purposes, policy origins and goals, the general structure of the Bankruptcy Code statute, and the nature and function of bankruptcy courts. Considers the ethical dimensions of filing for bankruptcy. **Credits:** 3

LAW 389 - Cooperative Education in Business Law

See Cooperative Education Program.

Credits: 1 or 3, R15

LAW 393 - Topics in Business Law

Topics in business law. **Credits:** 1-3, R6

LAW 402 - Hospitality Law

Legal issues and litigation affecting the hospitality industry. **Credits:** 3

LAW 403 - Business Assets

Management of real and intellectual property. **Credits:** 3

LAW 406 - Media Law

Study of legal issues which affect the media: defamation, privacy rights, advertising regulation, indecent speech; broadcast programming; and press coverage of the administration of justice (Liberal Studies P1). **Credits:** 3

LAW 410 - Litigation in Business

The business role in litigation, discovery to trial, and tools for the measurement and avoidance of litigation risk in the enterprise. **Credits:** 3

LAW 412 - Business Ethics and Corporate Responsibility

Ethical theory and decision making in the market, corporation as a moral agent, ethics as a component in strategic decision making, and government regulations and fiduciary obligations (Liberal Studies 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 440 - Labor and Employment Law

Legal aspects of industrial relations, arbitration, bargaining, strikes, and labor

practices; employment dispute resolution and federal employment laws. **Credits:** 3

LAW 475 - Legal and Professional Skills

A capstone course. Synthesis of legal knowledge and professional skills in a virtual business environment.

Prerequisites: LAW 230, LAW 275, LAW 331, and Senior Standing; or permission of department head. **Credits:** 3

LAW 480 - Independent Research in Business Law

Independent research in Business Law.

Prerequisites: Business Administration and Law major, GPA of 3.20 or higher, Senior Standing, and permission of department head. **Credits:** 3

LAW 483 - Internship in Business Law

Supervised experience in applications of previously studied theory. S/U grading. Minimum of 10 hours per week.

Prerequisites: Junior Standing, 2.00 GPA, and permission of department head. **Credits:** 3

LAW 484 - Internship in Business Law

Supervised experience in applications of previously studied theory. S/U grading. Minimum of 10 hours per week.

Prerequisites: Junior Standing, 2.00 GPA, and permission of department head. **Credits:** 3

LAW 485 - Internship in Business Law

Supervised experience in applications of previously studied theory. S/U grading. Minimum of 10 hours per week.

Prerequisites: Junior Standing, 2.00 GPA, and permission of department head. **Credits:** 3

LAW 496 - Estate and Trust Planning

Integration of alternative investment instruments and opportunities, tax planning and strategies, retirement and estate planning, and asset protection. **Credits:** 3

Leadership

LEAD 140 - Freshman Leadership Initiative I

Students will be introduced to a theoretical framework for understanding leadership and followership, while participating in a living learning community. Students will experience the personal discovery of leadership potential and commitment.

Prerequisites: Permission of instructor.

Credits: 2

LEAD 141 - Leadership in the Campus Community I

Students will learn general leadership strategies associated with being employed by, or otherwise representing the University in an official capacity. Emphasis will also be placed on particular functions of various positions. **Prerequisites:** Permission of instructor. **Credits:** 1, R3

LEAD 150 - Band of Brothers: Leadership and Masculinity

Students will be challenged and supported in transitioning to university life as they learn about campus and community resources aimed at student success. Further, they will discuss basic leadership principles through the lens of men's identity and brothe **Credits:** 2

LEAD 151 - Secrets of Powerful Women

Students will be challenged and supported in transitioning to university life as they learn about campus and community resources aimed at student success. Further, they will discuss basic leadership principles through the lens of women's identity and sist **Credits:** 2

LEAD 152 - Going Green: Leadership & Environmental Responsibility

Students will be challenged and supported in transitioning to university life as they learn about campus and community resources aimed at student success. Further, they will discuss basic leadership principles through the lens of environmental responsibil **Credits:** 2

LEAD 153 - Global Awareness & Citizenship: Leadership from a Global Perspective

Students will be challenged and supported in transitioning to university life as they learn about campus and community resources aimed at student success. Further, they will discuss basic leadership principles through the lens of global citizenship. This **Credits:** 2

LEAD 156 - Cultural Competency & Social Justice

Students will be challenged and supported in transitioning to university life as they learn about campus and community resources aimed at student success.

Further, they will discuss basic leadership principles through the lens of cultural competency and s **Credits:** 2

LEAD 180 - Freshman Leadership Initiative II

Students will synthesize knowledge of the theoretical frameworks for understanding leadership and followership, while participating in a living learning community. This advanced course provides students with an opportunity to practice advanced leadership **Prerequisites:** LEAD 140. **Credits:** 2

LEAD 241 - Leadership in the Campus Community II

Students will learn general leadership strategies associated with being employed by, or otherwise representing the University in an official management or leadership capacity. Emphasis will also be placed on particular functions of various positions as a **Prerequisites:** LEAD 141 and permission of instructor. **Credits:** 1

LEAD 244 - Principles of Leadership

Students will explore the major theories of leadership and discuss how to define/measure leader effectiveness. It is intended for students who are interested in gaining a foundation in leadership studies and extended coursework in applied aspects of leade **Credits:** 3

LEAD 249 - Diversity and Leadership

Students will explore and discuss issues of diversity and leadership such as communication, resolving conflicts, motivation, decision-making, community service, and leadership styles. Key to this exploration will be in-depth discussions of what diversity **Credits:** 3

LEAD 250 - Leadership Lessons Through Film

Students will explore key concepts of leadership through the medium of film. Through intentional viewing and analysis, students will analyze leadership theory in relation to a wide range of movies. **Credits:** 3

LEAD 294 - Special Topics in Leadership

This lower division leadership course will be designed based upon a special topic in leadership. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

LEAD 300 - Leadership for Racial Justice

Students will explore how various forms of leadership have been manifest in historic and current movements for racial justice. Emphasis is placed on leadership strategies as contextualized in time, space, and place of racial justice movements. **Credits:** 3

LEAD 301 - Women-Centered Leadership

Students will investigate leadership through various feminist lenses. To facilitate this exploration, students will learn about various waves of feminism and discuss many examples of women leaders. **Credits:** 3

LEAD 302 - International Perspectives of Leadership

Students will investigate what leadership means and how it is manifest in countries outside of the United States. Explorations will include the impact of culture on power, governance, and leadership in a global context. **Credits:** 3

LEAD 343 - Dimensions of Spirituality in Leadership

Students will explore their own relationship with their world and sense of spirituality, life course, and leadership knowledge while searching for meaning and purpose of actions and decisions. **Credits:** 3

LEAD 344 - Advanced Leadership Practices

Students will explore and discuss issues on ethics and values decision making from leadership perspectives to understand how leaders shape the moral environment in relation to major theoretical understandings of leadership. **Prerequisites:** LEAD 244. **Credits:** 3

LEAD 346 - Civic Engagement and Leadership

Students will draw on history, psychology, political science, and sociology to promote ethical leadership and civic engagement in our local community. This will be accomplished through a combination of education, research, and service. **Credits:** 3

LEAD 381 - Leadership Minor Independent Study

This upper division leadership course will be designed based upon a learning contract developed by the student and agreed upon by the sponsoring faculty member. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R9

LEAD 444 - Leadership Minor Capstone

Students will move the theoretical leadership knowledge gained in prior coursework to practical application within the context of their chosen professional career path. Students will also synthesize knowledge gained across the leadership minor curriculum. **Prerequisites:** LEAD 344 or permission of instructor. **Credits:** 3

LEAD 483 - Leadership Minor Internship

Students will participate in an intensive field experience during this internship-based course that requires students to integrate lessons learned from the core leadership courses into practical leadership situations. **Credits:** 1-3

LEAD 494 - Special Topics in Leadership

This upper division leadership course will be designed based upon a special topic in leadership. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

Mathematics**MATH 100 - Precalculus I Support**

Support Topics for MATH 130: Real number properties, solving equations, identifying variables including units, algebraic manipulation of expressions, graphs, systems of equations. **Corequisites:** MATH 130. **Credits:** 1

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 (Liberal Studies C2). **Credits:** 3

MATH 130 - Precalculus I

Functions using multiple representations; linear, exponential, logarithmic, polynomial, and rational functions; compositions, inverses, and combinations of functions; data and modeling, applications (Liberal Studies C2). **Corequisites:** MATH 100 or placement. **Credits:** 3

MATH 140 - Introductory Calculus

The differential and integral calculus of algebraic functions of one variable (Liberal Studies C2). **Prerequisites:** MATH 130, or MATH 146, or placement. **Credits:** 5

MATH 146 - Precalculus II

Functions using multiple representations; trigonometric functions, transformations, compositions, inverses, and combinations of functions; data and modeling, applications (Liberal Studies C2).

Prerequisites: A grade of C or better in MATH 130, or placement. **Credits:** 4

MATH 153 - Calculus I

Limits, continuity, derivative, and integrals of algebraic and trigonometric functions with applications (Liberal Studies C2).

Prerequisites: MATH 146 or placement. **Credits:** 4

MATH 170 - Applied Statistics

Descriptive statistics, exploratory data analysis, probability distributions, correlation, regression, estimation, and hypothesis testing (Liberal Studies C2).

Credits: 3

MATH 192 - Fractals: The Geometry of Nature

Investigate basic mathematical principles behind fractals with connections to literature, art, science, and the general world. **Credits:** 3

MATH 193 - Cryptography: The Science of Secrets

A first-year seminar covering basic mathematical techniques, historical development, and contemporary issues related to the practice of cryptography.

Credits: 3

MATH 200 - Introduction to Mathematical Problem Solving

Introduction to problem solving strategies appropriate for K-12 mathematics teaching and learning (Liberal Studies C2).

Prerequisites: MATH 146 or higher. **Credits:** 1

MATH 221 - Number Sense for Teaching

Numeration systems; quantitative reasoning with integers, rationals, irrationals, and reals; number theory (Liberal Studies C2). **Credits:** 3

MATH 250 - Introduction to Logic and Proof

An introduction to the principles of logic and the methods of proof necessary for the successful study of mathematics (Liberal Studies C2). **Prerequisites:** MATH 140, or

MATH 153, or permission of department head. **Credits:** 3

MATH 255 - Calculus II

Derivatives and integrals of transcendental functions, techniques of integration, indeterminate forms, improper integrals, infinite series (Liberal Studies C2).

Prerequisites: MATH 153. **Credits:** 4

MATH 256 - Calculus III

Plane curves, polar coordinates, vectors and solid analytical geometry, vector-valued functions, partial differentiation, multiple integrals (Liberal Studies C2). **Prerequisites:**

MATH 255. **Credits:** 4

MATH 270 - Statistical Methods I

Descriptive statistics, probability, random variables, sampling distributions, confidence intervals, one-sample and two-sample hypothesis testing, chi-square inference for two-way tables, simple linear regression, multiple linear regression, analysis of variance **Prerequisites:** MATH 146, or MATH 153, or placement. **Credits:** 3

MATH 300 - Problem Solving

Methods and techniques for problem solving in mathematics. 2 Lecture hours (Liberal Studies C2). **Prerequisites:** MATH 200. **Credits:** 2

MATH 301 - History of the Scientific Revolution

A study of the role of science in Western culture from classical antiquity to the seventeenth century (Liberal Studies P3). **Credits:** 3

MATH 310 - Discrete Structures

Graph theory: planarity, eulerian, hamiltonian, colorings, and trees. Enumeration: permutations, combinations, binomial distribution, generating functions, recurrence relations, and inclusion-exclusion (Liberal Studies C2).

Prerequisites: MATH 250 or permission of instructor. **Credits:** 3

MATH 311 - Informal Geometry

Points, lines, planes, constructions; axiomatic structure of geometry and the nature of proof (Liberal Studies C2).

Prerequisites: MATH 221 and MATH 321. **Credits:** 3

MATH 320 - Ordinary Differential Equations

Differential equations of first order, first degree with applications; linear equations of higher order and numerical methods; special equations of second order (Liberal Studies C2). **Prerequisites:** MATH 255.

Credits: 3

MATH 321 - Reasoning about Change, Measurement, Chance, and Data for Teaching

Mathematics of algebraic and geometric change; measurements of two- and three-dimensional shapes; study of chance and probability; collecting, representing, and interpreting data (Liberal Studies C2).

Prerequisites: MATH 221. **Credits:** 3

MATH 340 - Introduction to Scientific Computing

Survey of mathematical software and programming languages; applications in modeling and simulation; development of algorithms that requires advanced mathematical background (Liberal Studies C2). **Prerequisites:** MATH 255. **Credits:** 3

MATH 361 - Abstract Algebra I

Groups, rings, and fields (Liberal Studies C2). **Prerequisites:** MATH 250. **Credits:** 3

MATH 362 - Linear Algebra I

Systems of equations, matrices, vector spaces, and linear transformations (Liberal Studies C2). **Prerequisites:** MATH 153 and MATH 250. **Credits:** 3

MATH 370 - Probability and Statistics I

Classical probability models, distributions of discrete and continuous random variables, joint probability distributions, mathematical expectation. **Prerequisites:** MATH 255. **Credits:** 3

MATH 373 - Theory of Interest for Actuarial Exam FM

Topics in financial mathematics on the second exam of the Actuarial Societies: interest rates, annuities, accumulation functions, amortization schedules, present values, future values, and bonds (Liberal Studies C2). **Prerequisites:** MATH 255. **Credits:** 3

MATH 375 - Statistical Methods II

Least squares estimates of parameters in regression models, simple linear regression, multiple linear regression, hypothesis testing and confidence intervals in linear regression models, testing of models, data

analysis and appropriateness of models, time **Prerequisites:** MATH 270. **Credits:** 3

MATH 380 - Research in Mathematics
Supervised research directed toward a topic selected in consultation with the instructor. S/U grading (Liberal Studies C2).
Prerequisites: Permission of instructor.
Credits: 1-3, R6

MATH 393 - Topics in Mathematics
Topics in Mathematics (Liberal Studies C2).
Prerequisites: Permission of department head. **Credits:** 1-6, R6

MATH 394 - Contest Preparation Seminar
Solving contest problems from selected topics such as: Number Theory, Combinatorics, Geometry, Inequalities, Calculus, Polynomials, Functional Equations, etc., S/U grading (Liberal Studies C2).
Prerequisites: MATH 153. **Credits:** 1, R4

MATH 400 - History of Mathematics
The development of mathematics from a historical perspective. Topics include elementary number theory, probability, algebra, geometry, trigonometry, and calculus. **Prerequisites:** MATH 153, or MATH 140, or permission of department head. **Credits:** 3

MATH 411 - Foundations in Geometry
Axiomatic approach to the study and development of Euclidean and non-Euclidean geometry. (Liberal Studies C2).
Prerequisites: Junior Standing or permission of department head. **Credits:** 3

MATH 412 - Modern Geometries
Finite geometries, transformations, motions of the Euclidean plane and three-space, similarity transformations, convexity, and other topics (Liberal Studies C2).
Prerequisites: Junior Standing or permission of department head. **Credits:** 3

MATH 414 - Introduction to Secondary Mathematics Teaching Methods
An examination of secondary mathematics curriculum and methods, strategies, and techniques of using technology to support mathematics teaching and learning (Liberal Studies C2). **Prerequisites:** Admission to the Professional Education Sequence and Junior Standing, or permission of 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 (Liberal Studies C2). **Prerequisites:** Admission to the Professional Education Sequence and MATH 414. **Credits:** 3

MATH 420 - Partial Differential Equations
Solution techniques, modeling and analysis of partial differential equations (PDEs) and boundary value problems. Techniques include separation of variables methods for second-order linear PDEs, Fourier series, Transform methods, Bessel functions, and Sturm-Liouville problems.
Prerequisites: MATH 256 and MATH 320. **Credits:** 3

MATH 422 - Real Analysis I
Sequences of real numbers, continuous functions, and differentiation (Liberal Studies C2). **Prerequisites:** MATH 250 and MATH 255. **Credits:** 3

MATH 424 - Complex Variable Theory
The complex number system, limits, continuity, derivatives, transcendental and multiple valued functions, integration (Liberal Studies C2). **Prerequisites:** MATH 256. **Credits:** 3

MATH 430 - Mathematical Modeling
Topics including design of models, analysis of stability and sensitivity, optimization, programming, forecasting, differential equation models, diffusion, or wave propagation (Liberal Studies C2).
Prerequisites: MATH 320. **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 (Liberal Studies C2). **Prerequisites:** (CS 150 or MATH 340) and MATH 255. **Credits:** 3

MATH 450 - Linear Optimization
Formulation and solution of linear programming models; development of simplex method; duality theory; sensitivity analysis; software; and applications (Liberal Studies C2). **Prerequisites:** MATH 255 and MATH 362, or permission of instructor
Credits: 3

MATH 461 - Abstract Algebra II

Topics from abstract algebra including quotient groups and rings, rings of polynomials and field extensions, quaternions, homomorphism theorems (Liberal Studies C2). **Prerequisites:** MATH 361. **Credits:** 3

MATH 462 - Linear Algebra II

Topics from linear algebra including algebra of linear transformations, dual space, algebra of polynomials, determinants, eigenvalues, diagonalization, and selected applications (Liberal Studies C2).

Prerequisites: MATH 362. **Credits:** 3

MATH 470 - Probability and Statistics II

Point and interval estimation, hypothesis testing, decision theory, likelihood ratio and sequential testing, correlation and regression (Liberal Studies C2).

Prerequisites: MATH 370. **Credits:** 3

MATH 471 - Problem Solving for Actuarial Exam P

Advanced problem solving by means of extensive review and practice. Preparing students for Exam P of the Society of Actuaries and the Casualty Actuarial Society. **Prerequisites:** MATH 255. **Credits:** 3

MATH 472 - Data Science

Introduction to a high-level language, exploring and manipulating data, functions and basic coding, deterministic and stochastic modeling, concepts of projects and code management, databases, data collection and statistical inference (Liberal Studies C2). **Prerequisites:** MATH 270 or MATH 370. **Credits:** 3

MATH 474 - Introduction to Statistical Models

The foundation of this course is linear models, which are then compared to nonlinear approaches. Topics include estimation and testing, simulation and resampling, introduction to linear models including simple linear, multivariate and generalized linear. **Prerequisites:** MATH 270 or MATH 370. **Credits:** 3

MATH 475 - Statistical Machine Learning

This course blends the algorithmic perspective of machine learning in computer science and the predictive perspective of statistical thinking. Topics

include regression, classification, algorithmic analysis of models, performance metrics and prediction, **Prerequisites:** MATH 270 or MATH 370. **Credits:** 3

MATH 479 - Capstone: Seminar

A course requiring written papers and oral presentations by students on historical and contemporary ideas from the current mathematical literature (Liberal Studies C2).

Prerequisites: A grade of C or better in MATH 250 and 75 earned hours. **Credits:** 2

MATH 480 - Senior Thesis

A guided undergraduate research experience with a faculty mentor. Students will write a paper and give an oral presentation on a mathematics related topic. S/U grading (Liberal Studies C2).

Prerequisites: MATH 479. **Credits:** 1

MATH 491 - Supervised Student Teaching in Mathematics, 9-12

A full-time supervised teaching experience in the discipline (Liberal Studies C2).

Corequisites: EDSE 485 and EDSE 495.

Credits: 3

Mechanical Engineering**ME 211 - Mechanical Engineering Lab I**

Laboratory exercises in support of ENGR 211. **Corequisites:** ENGR 211. **Credits:** 1

ME 301 - Engineering Mechanics: Dynamics

Principles of dynamics; particle motion; kinetics of rigid bodies; work and energy; impulse and momentum; vector methods.

Prerequisites: A grade of C or better in both ENGR 201 and MATH 320. **Credits:** 3

ME 302 - Design of Machine Elements I

Analysis and design of machine elements and machines; material selection, fatigue failure, finite elements; mechanical power transmission components including gears, bearings, shafts, and frictional devices.

Application of engineering standards and consid **Prerequisites:** A grade of C or better in both ENGR 202 and ENGR 211.

Corequisites: ME 312. **Credits:** 3

ME 311 - Mechanical Engineering Lab II

Laboratory exercises in support of ME 321. **Corequisites:** ME 321. **Credits:** 1

ME 312 - Mechanical Engineering Lab III

The design and analysis of machine elements such as gears, shafts, bearings, and connections. The laboratory exercises

and project activities of this course are in support of ME 302. Contact Hours: 3 Lab. **Prerequisites:** ENGR 231. **Corequisites:** ME 302. **Credits:** 1

ME 321 - Fluid Dynamics

Fundamentals of fluid dynamics; fluid statics; incompressible flow with friction; compressible flow without friction; power requirements for pumps and turbines; energy losses. **Prerequisites:** A grade of C or better in MATH 320. **Corequisites:** ME 311. **Credits:** 3

ME 332 - Heat Transfer: Analysis and Applications

The basic principles of heat transfer and the application of these principles in engineering systems. Instrumentation, use of sensors, and computer-based data acquisition techniques are also covered. 2 Lecture, 2 Lab. **Prerequisites:** ENGR 315 and ME 321. **Credits:** 3

ME 401 - Design of Machine Elements II

Analysis of function, classification, position, velocity, and acceleration of multi-element mechanical linkages. Kinematic analysis and synthesis of linkages through the use of theory and software. Application of engineering standards and consideration of **Prerequisites:** A grade of C or better in ME 301. **Credits:** 3

ME 403 - Control of Dynamic Systems

Modeling and analysis of mechanical, electrical, and thermo-fluid systems in time and frequency domains; stability of dynamic systems; controller design; state-space modeling; other topics. Not open to students in electrical engineering or the electrical **Prerequisites:** ENGR 315, MATH 320, and ME 301. **Credits:** 3

Manufacturing Engineering

MFE 311 - Manufacturing Engineering Lab I
Laboratory exercises in support of MFE 324. **Corequisites:** MFE 324. **Credits:** 1

MFE 312 - Manufacturing Engineering Lab II

Laboratory exercises in support of MFE 375. **Corequisites:** MFE 375. **Credits:** 1

MFE 324 - Computer Aided Design and Manufacturing

This course introduces the integration of manufacturing with computer aided design. Commercial software for computer aided design and manufacturing will be

introduced in this course. **Prerequisites:** EE 200 and ENGR 231. **Corequisites:** MFE 311. **Credits:** 3

MFE 327 - Quality Engineering

This course introduces aspects associated with statistical methods for quality control and process improvement. Topics include process characterization, optimization, six sigma principles, and robustness. **Prerequisites:** MATH 370 and MFE 324. **Credits:** 3

MFE 365 - Design of Manufacturing Systems

This course introduces techniques and concepts required for the design of manufacturing systems. Concepts involving BOM, MRP, lean processes, production planning, and forecasting are also introduced. **Prerequisites:** MATH 370 and MFE 324. **Credits:** 3

MFE 375 - Automated Manufacturing Systems

This course introduces automation and computer-integrated manufacturing. Programmable logic controllers, industrial robotics, feedback systems, and automation systems will also be introduced in this course. **Prerequisites:** ENGR 315 and MFE 324. **Corequisites:** MFE 312. **Credits:** 3

MFE 424 - Advanced Manufacturing Processes I

This course introduces advanced manufacturing processes such as grinding and gear manufacturing. Tooling, CNC machining processes, and fixture design will also be introduced. **Prerequisites:** MFE 365 and MFE 375. **Credits:** 3

MFE 427 - Advanced Manufacturing Processes II

Advanced manufacturing processes such as rapid prototyping, additive manufacturing, adhesive bonding, and electronic manufacturing will be introduced in this course. **Prerequisites:** MFE 424. **Credits:** 3

Management

MGT 300 - Introduction to Management

Principles, issues, and practices of managing in modern organizations. **Credits:** 3

MGT 302 - Labor-Management Relations

Critical roles of labor unions; legislative bodies and government regulations; negotiation of collective bargaining

agreements and dispute resolution.

Prerequisites: MGT 300. **Credits:** 3

MGT 304 - Human Resource Management

Staffing, training, evaluating, and rewarding employees; developing and implementing effective personnel programs.

Prerequisites: MGT 300. **Credits:** 3

MGT 306 - Behavioral Science in Organizations

Examination of individual and collective human behavior in organizations.

Prerequisites: MGT 300. **Credits:** 3

MGT 308 - Supply Chain Management

Supply chain management focuses on the movement of products, services, and information along the value chain. This course will provide an understanding of the linkage of these key business functions and how effective supply chain management can improve performance. **Prerequisites:** MATH 170 and QA 235. **Credits:** 3

MGT 320 - E-Management: The Internet's Impact

Exploration of the effect of the Internet and new technology on productivity and management; case studies of how established companies are developing their e-business strategies. **Credits:** 3

MGT 366 - Applied Management Skills

Managerial skills, effective supervisory practices, and leadership approaches for entry-level managers. **Prerequisites:** MGT 300 and MGT 306. **Credits:** 3

MGT 367 - Introduction to Project Management in Practice

An introduction to project management competencies required by contemporary global organizations. **Prerequisites:** MGT 300. **Credits:** 3

MGT 375 - Operations Management

Managing resources and activities that create products and services; analytical techniques and controls. **Prerequisites:** MATH 170 or QA 235. **Credits:** 3

MGT 389 - Cooperative Education in Management

See Cooperative Education Program. **Credits:** 1 or 3, R15

MGT 402 - Production and Operations Management

Management processes for the creation of products and services; analytical techniques and controls. **Prerequisites:** MGT 300 and (MATH 170 or QA 235), or permission of instructor. **Credits:** 3

MGT 404 - Strategic Management

Capstone course integrating all aspects of the business core curriculum using case method, term projects, and/or computer simulations. **Prerequisites:** ACCT 252, FIN 305, MGT 300, MKT 201, and Senior Standing. **Credits:** 3

MGT 408 - Supply Chain Management

Supply chain management focuses on the movement of products, services, and information along the value chain. This course will provide an understanding of the linkage of these key business functions and how effective supply chain management can improve performance. **Prerequisites:** (MATH 170 or QA 235) and MGT 300. **Credits:** 3

MGT 480 - Independent Research

Supervised, student-initiated research project. **Prerequisites:** Permission of department head. **Credits:** 3

MGT 483 - Internship in Management

Supervised work or research in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. **Prerequisites:** Junior Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 3

MGT 484 - Internship in Management

Supervised work or research in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. **Prerequisites:** Junior Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 3

MGT 485 - Internship in Management

Supervised work or research in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. **Prerequisites:** Junior Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 3

MGT 493 - Topics in Management

Topics in Management. **Prerequisites:** Permission of department head. **Credits:** 1-3, R6

MGT 495 - Seminar in International Management

Integration of the implication of international business on organization strategy, structure, and functions; development of global management concepts; preparation for the professional world of work. **Prerequisites:** MGT 300 and Senior Standing. **Credits:** 3

Marketing

MKT 195 - Facebook Generation Marketing

Explores how Internet and online social networking changed purchasing decisions with a focus on aligning organizational and communication strategies with current and emerging communication technologies. **Credits:** 3

MKT 201 - Principles of Marketing

This course presents the process of planning and executing a marketing strategy that satisfies consumer and organizational objectives. **Prerequisites:** 30 completed and in-progress hours. **Credits:** 3

MKT 206 - Introduction to Professional Selling

Sales persuasion skills, theories, and principles; simulated selling situations. **Credits:** 3

MKT 310 - Consultative Selling

Building long-term customer relationships through consultative selling, delivering customer value, and satisfying customer needs. **Prerequisites:** Completed 30 hours. **Credits:** 3

MKT 340 - Consumer Behavior

Examines psychological and sociological factors that influence consumption and decision making. Studies practical implications of consumer attitudes and behavior. **Prerequisites:** MKT 201. **Credits:** 3

MKT 342 - Integrated Marketing Communication in the Digital Age

An introduction to integrated marketing communications. Application of the marketing communications process in the digital age by creating a professional IMC campaign. **Prerequisites:** MKT 201. **Credits:** 3

MKT 343 - Strategic Brand Management

This course introduces students to basic branding concepts, with an emphasis on brand management and the creation of brand equity using digital media. Coursework is focused on designing brand strategies, introducing and naming new products and extensions, **Prerequisites:** MKT 201. **Credits:** 3

MKT 352 - Sales Management and Digital Marketing

Managing sales people through applications oriented assignments focusing on territory design, salesperson motivation, quota attainment, and consumer relationship management. **Credits:** 3

MKT 360 - Foundations of Internet Marketing

Foundations of Internet Marketing is a survey course covering a broad range of topics including digital marketing, integrated internet marketing, content marketing, social media marketing, and marketing analytics. **Prerequisites:** MKT 201. **Credits:** 3

MKT 371 - Business and Organizational Marketing

Strategic implications of marketing high volume, cost, or technological products to organizations. Focuses on needs and processes of businesses and inter-firm dynamics. **Credits:** 3

MKT 389 - Cooperative Education in Marketing

See Cooperative Education Program. **Credits:** 1 or 3, R15

MKT 406 - Social Media Marketing

Application of Internet and social media marketing strategies. Project-based curriculum aligning organizational marketing objectives with emerging communication technologies and web-based sales techniques. **Prerequisites:** MKT 201. **Credits:** 3

MKT 407 - Global Consumer Culture

The consumption of goods and services has a big impact on individual identity formation, personal well-being, and society as a whole. Consumption has reached significant sophistication in today's post-modern, post-industrial world, receiving a special lab **Credits:** 3

MKT 409 - Negotiations/Relationship Marketing

Focuses on the evolution of relationship marketing, interpersonal and group relationship development, and negotiation skills (Liberal Studies P1). **Credits:** 3

MKT 465 - Decision Making for Value Creation

This course is about how businesses create value and how marketers use information to make good decisions. **Prerequisites:** ACCT 251, ECON 231, (MATH 270 or QA 235), MKT 201, MKT 206, and two MKT electives at the 300- or 400- level. **Credits:** 3

MKT 475 - Marketing Strategy

This course begins with a brief review of strategic marketing analysis, then focuses on applied marketing activities using real world cases. **Prerequisites:** MKT 201, MKT 340, and (MKT 342 or MKT 406). **Credits:** 3

MKT 482 - Independent Study

Supervised, student-initiated project. **Prerequisites:** MKT 475, Marketing major, Senior Standing, GPA of 3.25 or higher, and permission of instructor and department head. **Credits:** 3

MKT 483 - Internship in Marketing

Supervised experience in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. **Prerequisites:** Junior Standing, 2.00 GPA, written application, and permission of department head. **Credits:** 3

MKT 493 - Topics in Marketing

Topics in Marketing. **Credits:** 1-3, R12

Music**MUS 071 - University Chorus**

Study and performance of representative choral works; open to any student meeting eligibility requirements. Different repertoire every semester. Does not meet music degree requirements. 3 meetings. **Credits:** 0

MUS 072 - Concert Choir

Audition required; public performances. Does not meet music degree requirements. 4 meetings. **Credits:** 0, R8

MUS 073 - Band

Performance of wide variety of music in marching, symphonic, or concert band; open to any student meeting eligibility requirements. Different repertoire every

semester. Does not meet music degree requirements. 4 meetings. **Credits:** 0

MUS 074 - Orchestra

Experience for advanced strings, wind, and percussion players; formal concerts and performances. Different repertoire every semester. Does not meet music degree requirements. **Credits:** 0

MUS 075 - Ensemble

Performance in vocal or instrumental ensembles. Different repertoire every semester. Does not meet music degree requirements. **Credits:** 0

MUS 101 - Music Appreciation

Introduction to the materials, performing media, and fundamental principles of music in the context of the western classical tradition (Liberal Studies 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 (Liberal Studies P5). **Credits:** 3

MUS 103 - Women and Popular Music

This course offers a historical survey of women in American popular music from 1920 to the present. Students examine blueswomen, Tin Pan Alley musicians, radio singers, the dawn of the teenager in American culture, women in rockabilly, girl groups, folksi **Credits:** 3

MUS 105 - Applied Preparatory

Applied music study with one hour of private instruction and one hour master class each week. Studio. **Prerequisites:** Audition or permission of department head. **Credits:** 2

MUS 106 - Applied Minor

Applied music study with one-half hour private instruction per week. Studio. 30-minute music lesson. **Prerequisites:** Audition or permission of department head. **Credits:** 1, R3

MUS 107 - Applied Major

Applied music with one hour of private instruction and one hour master class each week. Studio. **Prerequisites:** Audition or permission of department head. **Credits:** 2, R6

MUS 108 - Aural Skills I

Aural analysis and sight singing of intervals, scales, chords, and simple meters using solfege syllables. 2 Lab. **Prerequisites:** Music major or minor, or permission of the department head. **Credits:** 1

MUS 118 - Music Theory I

Fundamentals of music notation: keys, modes, scales, triads, seventh chords, 2-part counterpoint, ranges and transpositions of instruments, elementary analysis and composition. **Prerequisites:** Music major or minor, or permission of department head. **Credits:** 3

MUS 148 - Piano Class I

Basic keyboard skills, including introduction to major/minor scales, simple accompaniment, transposition, and sight-reading. Exploration of functional harmony through I, IV, and V7 chords. **Prerequisites:** Music major or minor, or permission of department head. **Credits:** 1

MUS 149 - Piano Class II

Elementary keyboard skills, including exploration of blues/modal/whole-tone scales, harmonization in keyboard style of more advanced harmonies, solo and duet repertoire. **Prerequisites:** Music major or minor, or permission of department head. **Credits:** 1

MUS 150 - Fundamentals of Audio

Fundamental principles of audio emphasizing the tools and techniques involved in media production with particular attention to sound that enhances the storyline. **Credits:** 3

MUS 151 - Live Sound Reinforcement

Audio fundamentals, including signal path, microphone types and uses, audio cables, analog and digital consoles, mixing techniques, passive and active sound systems, wireless units, etc. **Prerequisites:** MUS 150. **Credits:** 2

MUS 168 - String Pedagogy

Teaching methodology and materials for string instruments in ensemble settings, including basic performance proficiency. **Prerequisites:** Music major or minor, or permission of department head. **Credits:** 1

MUS 169 - Guitar Pedagogy

Teaching methodology and materials for guitar in a classroom setting, including basic performance proficiency. **Prerequisites:**

Music major or minor, or permission of department head. **Credits:** 1

MUS 181 - Introduction to MIDI/Synthesis

Survey of MIDI devices, synthesis techniques, and contemporary music technology. 2 Lab. **Prerequisites:** Music major or permission of instructor. **Credits:** 2

MUS 182 - Computer Music Notation

Use of the computer to prepare music scores and parts. **Prerequisites:** MUS 208 and MUS 218, or permission of instructor. **Credits:** 2

MUS 190 - First-Year Seminar

Variable topics such as jazz, rock music, music and community, music technology, etc. See schedule of classes for topic of each section. **Credits:** 3

MUS 191 - Integral Arts

Exploring the integral nature of art as how we live, record our life and world, and imagine our future. Open to majors within the College of Fine and Performing Arts, others by permission of the Director of the School of Stage and Screen. **Credits:** 3

MUS 206 - Applied Minor

One thirty-minute private lesson per week. Studio. **Prerequisites:** MUS 108, two semesters of MUS 106, and MUS 118. **Credits:** 1, R3

MUS 207 - Applied Major

Applied music with one hour of private instruction and one hour master class each week. Studio. **Prerequisites:** MUS 108, MUS 118, successful Sophomore qualifying exam or audition, and permission of department head. **Credits:** 2, R6

MUS 208 - Aural Skills II

Aural analysis and performance of basic tonal functions, modulation, simple tonal forms, simple and compound meters. **Prerequisites:** MUS 108 and MUS 118, or permission of department head. **Credits:** 1

MUS 218 - Music Theory II

Introduction to tonal functions: non-harmonic tones, tonicization, modulation, 4-part voice leading, analysis and composition of simple forms. **Prerequisites:** MUS 118 or permission of department head. **Credits:** 3

MUS 248 - Piano Class III

Intermediate keyboard skills, including expanded harmonization skills, an introduction to open-score vocal and instrumental reading, expanded harmonic progressions, and secondary chord functions in a keyboard context.

Prerequisites: MUS 149. **Credits:** 1

MUS 249 - Piano Class IV

Functional keyboard skills in a professional context, including collaborative piano skills (accompanying), expansion to 4 octave scales, 3- and 4-part open score reading, lead sheet reading, and 4-part chorale sight-reading and performance. **Prerequisites:**

MUS 248. **Credits:** 1

MUS 257 - Introduction to Commercial Voice

Fundamentals of vocal production for the performance of popular music, including diction, working with microphones, and principles of healthy singing. **Prerequisites:**

Permission of instructor. **Credits:** 1

MUS 258 - Diction for Singers I

Fundamentals of the International Phonetic Alphabet and the principles utilized in a singing pronunciation of English and Italian. **Credits:** 1

MUS 259 - Diction for Singers II

Continuation of the International Phonetic Alphabet and the principles utilized in a singing pronunciation of German and French. **Prerequisites:** MUS 258 or permission of instructor. **Credits:** 2

MUS 272 - Percussion Pedagogy

Teaching methodology and materials for percussion instruments in ensemble settings, including basic performance proficiency. **Prerequisites:** Music major or minor, or permission of department head. **Credits:** 1

MUS 281 - Introduction to Digital Audio

Fundamental concepts and techniques for music production using computer workstations for MIDI sequencing and manipulation of digital audio. **Prerequisites:** MUS 181 or permission of instructor. **Credits:** 2

MUS 283 - Music Technology Applications

Topics, equipment, and technology in music professions. **Prerequisites:** MUS 108 and MUS 118, or permission of department head. **Credits:** 1

MUS 300 - Country Music: A Cultural and Stylistic History

A cultural and stylistic history of country music from the early 1920s to the present (Liberal Studies P5). **Credits:** 3

MUS 301 - Music for Elementary Classroom Teachers

Music fundamentals, elementary performance skills, and methods of integrating music into the elementary classroom. **Credits:** 1

MUS 302 - History of Rock Music

Exploration of rock music as a rebellious cultural art form influenced by race and ethnic relations, politics, culture, technology, and globalization (Liberal Studies P5). **Credits:** 3

MUS 303 - The World of Music

Musical traditions of various world cultures in their social contexts (Liberal Studies P6).

Prerequisites: Junior Standing. **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 (Liberal Studies P5).

Credits: 3

MUS 305 - Junior Recital

Public performance of 20-30 minutes of music, including a chamber music piece.

This is a graduation requirement in all Music degrees. **Corequisites:** For BA : MUS 207. For BM : MUS 307. **Credits:** 0

MUS 306 - Applied Minor

One thirty-minute private lesson per week. Studio. **Prerequisites:** Two semesters of MUS 206. **Credits:** 1, R3

MUS 307 - Applied Major

Applied music with one hour of private instruction and one hour master class each week. Studio. **Prerequisites:** Successful Junior qualifying examination or audition, and permission of department head. **Credits:** 2, R6

MUS 308 - Aural Skills III

Aural analysis and performance of advanced forms and chromatic tonal functions; 4-part dictation and

performance, and complex meters. 2 Lab.
Prerequisites: MUS 208 and MUS 218, or permission of department head. **Credits:** 1

MUS 309 - Aural Skills IV

Aural identification of common chord groups, progressions, and musical forms including blues, rhythm changes, and "American Song" form; basic improvisation.
Prerequisites: MUS 308 and MUS 318, or permission of department head. **Credits:** 1

MUS 311 - Brass Pedagogy

Teaching methodology and materials for brass instruments in ensemble settings, including basic performance proficiency.
Prerequisites: Music major or minor, or permission of department head. **Credits:** 2

MUS 312 - Woodwind Pedagogy

Teaching methodology and materials for woodwind instruments in ensemble settings, including basic performance proficiency. **Prerequisites:** Music major or minor, or permission of department head. **Credits:** 2

MUS 313 - Band Instrument Repair

Introduction to the repair and maintenance of band instruments for the music educator. 2 Lab. **Credits:** 1

MUS 314 - Jazz Pedagogy

Fundamentals of jazz pedagogy in the secondary schools. **Prerequisites:** Music Education majors or permission of instructor. **Credits:** 1

MUS 317 - Applied Commercial and Electronic Music

Applied study of Commercial and Electronic Music with one hour of individual instruction and one hour of masterclass each week. **Prerequisites:** Successful Sophomore performance examination or audition. **Credits:** 2, R6

MUS 318 - Music Theory III

Analysis and composition of advanced musical forms in a variety of musical styles from classical, jazz, and contemporary repertoires. **Prerequisites:** MUS 218 or permission of department head. **Credits:** 3

MUS 319 - Music Theory IV

Analysis and composition of chromatic, atonal, and contemporary musical styles including jazz and commercial music.

Prerequisites: MUS 318 or permission of department head. **Credits:** 3

MUS 320 - Songwriting Techniques & Analysis

The basics of music theory and the development of aural skills pertaining to popular song and jazz. **Prerequisites:** MUS 319 or permission of instructor. **Credits:** 3

MUS 323 - Music in the Elementary School

Current issues, methods, and techniques for teaching and supervising general music programs in the elementary school.
Prerequisites: MUS 319. **Credits:** 2

MUS 324 - Music in the Middle School

Current issues, methods, and techniques for teaching and supervising choral and instrumental music programs in the middle school. **Prerequisites:** MUS 319. **Credits:** 2

MUS 326 - Instrumental Methods and Materials

Methods and materials used in instrumental teaching. **Prerequisites:** Admission to Teacher Education. **Credits:** 3

MUS 327 - Choral Methods and Materials

Methods and materials used in developing the school choral program. **Prerequisites:** Admission to Teacher Education. **Credits:** 3

MUS 329 - Fundamentals of Conducting

Introduction to the basic skills and gestures of conducting. 3 Lab. **Prerequisites:** MUS 308 and MUS 318. **Credits:** 2

MUS 358 - Concert Attendance

Attend 10 approved music performances. S/U grading. **Credits:** 0

MUS 371 - University Chorus

Study and performance of representative choral works; open to any student meeting eligibility requirements. Different repertoire every semester. 3 meetings. **Credits:** 1, R16

MUS 372 - Concert Choir

Audition required; public performances. Different repertoire every semester. 4 meetings. **Credits:** 1, R16

MUS 373 - Band

Performance of a wide variety of music in the marching, symphonic, and concert

bands; open to any student meeting eligibility requirements. Different repertoire every semester. 4 meetings. **Credits:** 1-2, R16

MUS 374 - Orchestra

Experience for advanced strings, wind, and percussion players; formal concerts and performances. Different repertoire every semester. **Credits:** 1, R16

MUS 375 - Ensemble

Performance in vocal and instrumental ensembles. Different repertoire every semester. S/U grading. **Credits:** 1, R24

MUS 376 - Musical Theatre Ensemble

Staged production of scenes or shows from the operatic and musical theatre repertory. **Prerequisites:** Permission of instructor. **Credits:** 1, R8

MUS 377 - Survey of Vocal Styles in Popular Music

Analysis and performance of vocal styles associated with popular music, including elements of improvisation, stylistic interpretation, stage presence, repertory, cultural context, vocal health, technique, and pedagogy. **Prerequisites:** Permission of instructor. **Credits:** 2

MUS 378 - Survey of the Music Industry

The retail and wholesale music trade: publishing, royalties, copyright, performance rights, record production, advertising and promotion, labor relations, contracts, artist management. **Prerequisites:** MUS 318 or permission of instructor. **Credits:** 3

MUS 379 - Introduction to Recording Arts

The audio recording process including the acoustics of sound, microphone design, signal path, audio console theory, and digital signal processing. **Prerequisites:** MUS 281 and Commercial and Electronic Music major, or permission of instructor. **Credits:** 2

MUS 383 - Post-Production Audio for Film and Television

Recording, editing, mixing, importing, embedding and synchronizing digital audio with video in a variety of media formats. **Prerequisites:** Music or Film majors, or permission of instructor. **Credits:** 3

MUS 389 - Cooperative Education in Music

See Cooperative Education Program. **Credits:** 1 or 3, R15

MUS 403 - Marching Band Techniques

Variable topics: students may enroll again for additional credit if a different topic is taken. **Credits:** 1, R4

MUS 405 - Senior Recital

Public performance of 40-60 minutes of music, including a chamber music piece. This is a graduation requirement for the BM with a Concentration in Performance. **Prerequisites:** MUS 305. **Corequisites:** MUS 407. **Credits:** 0

MUS 406 - Applied Minor

One 30-minute private lesson per week. **Prerequisites:** Two semesters of MUS 306. **Credits:** 1, R3

MUS 407 - Applied Major

Applied music with one hour of private instruction and one hour master class each week. Studio. **Prerequisites:** Audition or permission of department head. **Credits:** 2, R6

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:** Music major with Junior or Senior Standing. **Credits:** 3

MUS 412 - Teaching in the Private Studio

Practical, ethical, and legal aspects of establishing a private music studio, including evaluation of appropriate pedagogical approaches and materials for individual instruction. **Credits:** 1

MUS 413 - Studies in Improvisation

Study of significant styles of improvisation through listening, analysis, and performance. Additional credit may be earned at an advanced level or in a different style. Lab. **Prerequisites:** MUS 309 and MUS 319. **Credits:** 1, R4

MUS 417 - Applied MIDI/Synthesis

Applied study of MIDI/Synthesis with one hour of private instruction and one hour of masterclass per each week. **Prerequisites:** Permission of instructor. **Credits:** 2, R6

MUS 418 - Music History I

Music history from the roots of Western civilization to the end of the Baroque.

Prerequisites: MUS 318 or permission of department head. **Credits:** 3

MUS 419 - Music History II

Music history from the end of the Baroque to the present. **Prerequisites:** MUS 318 and MUS 418, or permission of department head. **Credits:** 3

MUS 420 - Studies in Music Literature

Historical and theoretical study of various forms of music literature. **Prerequisites:** MUS 419 or permission of instructor.

Credits: 3, R9

MUS 425 - 20th Century Music

Historical and theoretical issues in 20th Century music. **Prerequisites:** MUS 419.

Credits: 3

MUS 426 - Jazz Arranging and Composing

Basic tools of creative arranging and composing for small jazz ensembles.

Prerequisites: MUS 320 or permission of instructor. **Credits:** 3

MUS 428 - Choral Conducting

Study and application of gesture communication and analysis to choral conducting. 3 Lab. **Prerequisites:** MUS 329.

Credits: 2

MUS 429 - Instrumental Conducting

Application of techniques and analysis to instrumental conducting. 3 Lab.

Prerequisites: MUS 329. **Credits:** 2

MUS 468 - Composing for Film and Video

Materials and procedures in composing music in synchronization with film and video. **Prerequisites:** (MUS 181 or MUS 283) and MUS 319. **Credits:** 3

MUS 469 - Music in Motion Pictures

The study of music composed for motion pictures, process and procedures, selected biographies, representative films, and a brief chronology. **Credits:** 3

MUS 470 - Orchestration and Arranging

Scoring and arranging for instrumental and vocal ensembles. **Prerequisites:** (MUS 182 or MUS 283) and MUS 319. **Credits:** 2

MUS 474 - Capstone

The study and application of skills needed in professional music related fields: senior project, resume, and multi-media portfolio required. **Prerequisites:** MUS 378 or permission of instructor. **Credits:** 1

MUS 475 - Arts Management

Introduction to the principles and practices of managing nonprofit cultural institutions.

Credits: 3

MUS 479 - Digital Audio Recording and Editing

Non-linear digital audio production for recording, editing, arranging, and mixing of digital audio and MIDI. **Prerequisites:** MUS 379 or permission of instructor. **Credits:** 3

MUS 480 - Independent Study

Independent Study. **Prerequisites:** Music major and permission of instructor. **Credits:** 1-3, R9

MUS 481 - Live Sound Reinforcement

A study of the tools and techniques used in the mixing and amplification of live sound.

Prerequisites: MUS 379, MUS 383, or permission of instructor. **Credits:** 3

MUS 483 - Practicum in Music

Project-based practicum in an on-campus work environment; 45 hours of work per hour of credit. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R3

MUS 489 - Internship

Faculty-supervised training in an approved agency, arranged in advance with the agency and the School of Music. Minimum of 135 documented work hours per semester for each 3 hours of credit, S/U grading. **Prerequisites:** MUS 378 and permission of department head. **Credits:** 3, 6, or 9, R9

MUS 491 - Supervised Student Teaching in Music, K-12

A full-time supervised teaching experience in Music. **Corequisites:** EDSE 485 and EDSE 495. **Credits:** 3

MUS 493 - Topics in Music

Issues in music performance, education, or the music business. **Prerequisites:** Permission of department head. **Credits:** 1-3, R12

MUS 494 - Topics in Musical Theatre

Selected topics in musical theatre.

Prerequisites: Permission of instructor.

Credits: 1-3, R6

MUS 497 - Seminar in Piano Pedagogy

2 Lab. **Prerequisites:** Permission of instructor. **Credits:** 1, R4

MUS 498 - Seminar in Accompanying

2 Lab. **Prerequisites:** Permission of instructor. **Credits:** 1, R4

Native American Studies

NAS 452 - The Roots of Health Disparities in Native American Populations

Course discusses emergent models that associate chronic stress via historical and inter-generational trauma with chronic disease, particularly among Indigenous or colonized populations. **Prerequisites:** Junior or Senior Standing. **Credits:** 3

NAS 470 - Cherokee Culture and History

Course will provide a general introduction to Cherokee culture and history with an emphasis on relationship to health and policy. **Prerequisites:** Junior or Senior Standing. **Credits:** 3

NAS 471 - Indigenous and Western Psychologies

Epistemologies and world views of Southeastern Native peoples will be discussed in comparison with standard Western approaches of addressing behavioral health. **Prerequisites:** Junior or Senior Standing. **Credits:** 3

NAS 472 - Healing the Wounded Native Child

Course will increase students' understanding of culturally sensitive care and key elements involved in addressing behavioral health needs of Native child and adolescent populations. **Prerequisites:** Junior or Senior Standing. **Credits:** 3

NAS 474 - Issues in Indian Health

Historical and cultural context of disease in the Americas from 1500 AD to present, with focus on health of Indigenous Peoples of Southeast. **Prerequisites:** Junior or Senior Standing. **Credits:** 3

NAS 476 - American Indian Tobacco and Substance Use

Broad historic and contemporary survey of how tobacco and consciousness-altering substance usages are situated within the culture and daily lives of Southeastern

Native peoples. **Prerequisites:** 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 Academy of Nutrition and Dietetics, and current issues in the profession of dietetics. **Credits:** 1

ND 301 - Food Science Lab

Food Science Lab to accompany ND 331 - Food Science lecture. **Corequisites:** ND 331. **Credits:** 1

ND 303 - Quantity Food Production Lab

Quantity Food Production Lab to accompany ND 333 - Quantity Food Production. **Corequisites:** ND 333. **Credits:** 1

ND 304 - Nutritional Assessment Lab

Nutritional Assessment Lab to accompany ND 334 - Nutritional Assessment lecture. **Corequisites:** ND 334. **Credits:** 1

ND 310 - Food, Nutrition, and Culture

Exploration of the role of cultural diversity in the formation of food habits with a focus on changes in U.S. dietary patterns related to global cultural plurality (Liberal Studies P6). **Credits:** 3

ND 325 - Research Methods in Nutrition

An overview of research methodologies and evidence analysis techniques that form the basis of evidence-based practice guidelines in nutrition and dietetics practice. **Prerequisites:** Nutrition and Dietetics major. **Credits:** 3

ND 330 - Human Nutritional Needs

Principles of nutrition including digestion, requirements of nutrients, dietary adequacy, factors affecting food choices, and roles of nutrition in physical fitness and health maintenance. **Credits:** 3

ND 331 - Food Science

Scientific principles of food preparation; effect of preparation practices on food quality and nutrient retention; storage and preservation principles. **Prerequisites:**

Nutrition and Dietetics major. **Corequisites:** ND 301. **Credits:** 3

ND 333 - Quantity Food Production

Application of principles of food preparation in large quantities; use of institutional equipment and procedures; introduction to institutional food service production management techniques.

Prerequisites: ND 331. **Corequisites:** ND 303. **Credits:** 2

ND 334 - Nutritional Assessment

Nutritional assessment of individuals using demographic, biochemical, anthropometric, and dietary parameters. **Prerequisites:**

Nutrition and Dietetics major. **Corequisites:** ND 304. **Credits:** 2

ND 335 - Nutrition Through the Life Cycle

Application of nutrition principles during different stages of the life, including preconception, pregnancy, lactation, infancy, preschool years, middle childhood, adolescence, adulthood and late maturity.

Prerequisites: Nutrition and Dietetics major. **Credits:** 3

ND 338 - Normal and Therapeutic Nutrition

Principles of normal human nutrition, altered nutrient requirements of disease states, and medical nutrition therapy.

Prerequisites: BIOL 291, the completion of, or concurrent enrollment in BIOL 292, CHEM 133, and Pre-Nursing major. **Credits:** 3

ND 342 - Nutrition in Athletics

Students will learn to integrate basic concepts of nutrition, energy metabolism and exercise physiology to understand nutritional requirements in exercise.

Prerequisites: ATTR 150 or ND 330, and admission into the Athletic Training program. **Credits:** 3

ND 350 - Advanced Human Nutrition I

Normal nutrition in relation to biochemical and physiological functioning of macronutrients and their interrelationships in energy balance. **Prerequisites:** Nutrition and Dietetics major. **Credits:** 3

ND 351 - Advanced Human Nutrition II

Normal nutrition in relation to biochemical and physiological functioning of vitamin and mineral; interrelationship with health and disease. **Prerequisites:** ND 350. **Credits:** 3

ND 406 - Nutrition Interviewing and Counseling Lab

Nutrition Interviewing and Counseling Lab to accompany ND 436 Nutrition Interviewing and Counseling. Application of motivational interviewing and other counseling techniques used to promote dietary change in individuals. **Prerequisites:** Nutrition and Dietetics major **Corequisites:** ND 436. **Credits:** 1

ND 410 - Study Abroad: A Global Perspective in Nutrition

Exploration of the health, culture, and other influences of the traditional diet in a variety of international settings. **Prerequisites:** Permission of instructor. **Credits:** 3

ND 420 - Community Nutrition I

Federal, state and local community nutrition programs and policies, application of techniques used to conduct a community nutrition needs assessment **Credits:** 3

ND 422 - Community Nutrition II

Principles of nutritional epidemiology as applied to national, state, and local nutrition policy; application of nutrition education in the development, implementation, and evaluation of community nutrition programs. **Prerequisites:** ND 420. **Credits:** 3

ND 432 - Institutional Food Service Management I

Functions of management applied to food service systems; emphasis on food service equipment, layout and design, menu development, procurement, and production management. **Prerequisites:** Nutrition and Dietetics major. **Credits:** 3

ND 435 - Institutional Food Service Management II

Principles of food service management related to management theories and techniques, time management skills, delegation and negotiation skills, communication skills, personnel management, financial management, and ethics. **Prerequisites:** ND 432. **Credits:** 3

ND 436 - Nutrition Interviewing and Counseling Skills

Basic interviewing and counseling principles and strategies with application for promoting successful lifestyle and nutrition changes. **Prerequisites:** Nutrition and

Dietetics major. **Corequisites:** ND 406.
Credits: 2

ND 439 - Introduction to Professional Practice

Introduction to professional ethics, conduct in patient care, utilization of laboratory values, nutritional assessment, and dietary management. **Prerequisites:** Nutrition and Dietetics major or permission of instructor.
Credits: 1

ND 451 - Medical Nutrition Therapy I

Mechanisms by which diet contributes to maintenance of health, prevention, and a treatment of diseases of the GI tract, liver disease, and cardiovascular disease.
Prerequisites: Nutrition and Dietetics major. **Corequisites:** ND 453. **Credits:** 3

ND 452 - Medical Nutrition Therapy II

Mechanisms by which diet contributes to maintenance of health, prevention and treatment of diabetes, renal disease, cancer, and pulmonary diseases.
Prerequisites: ND 451 and Nutrition and Dietetics major. **Corequisites:** ND 454. **Credits:** 3

ND 453 - Medical Nutrition Therapy Lab I

Application of the nutrition care process to clinical case studies corresponding to disorders covered in ND 451 - Medical Nutrition Therapy I. **Prerequisites:** ND 334. **Corequisites:** ND 451. **Credits:** 1

ND 454 - Medical Nutrition Therapy II Lab

Application of information received in ND 452 - Medical Nutrition Therapy II; enteral and parental nutrition support calculations, nutrition assessment, diagnosis, intervention, monitoring and evaluation of case studies related to critical illness, cancer
Prerequisites: ND 451. **Corequisites:** ND 452. **Credits:** 1

ND 461 - Nutrition and Dietetics Capstone

Capstone course designed for student self-appraisal of knowledge, career goals and interests; application of cumulative academic content to create a professional presentation. **Prerequisites:** ND 439. **Credits:** 1

ND 480 - Independent Study in Nutrition

Independent Study in Nutrition.
Prerequisites: Permission of instructor.
Credits: 1-3, R6

Natural Resources Management

NRM 140 - Natural Resource Conservation and Management

Students will develop a basic understanding of natural resources and will investigate relationships between those resources and society while exploring issues related to their management (Liberal Studies 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. 2 Lecture, 2 Lab (Liberal Studies C5). **Credits:** 3

NRM 213 - GIS for Natural Resource Management

Principles, methods, and applications of geospatial analysis in natural resource management. Discussion of and experience with the analysis and display of spatial data including introductory concepts of geographic information systems and remote sensing. **Credits:** 3

NRM 240 - Natural Resource Measurements

Measurement of terrestrial and aquatic resources including the use of equipment and basic data analysis. Basic land, climatic, hydrologic, and vegetative measurements used in resource management. 2 Lecture, 2 Lab. **Prerequisites:** The completion of, or concurrent enrollment in either MATH 170 or MATH 270. **Credits:** 3

NRM 255 - Dendrology

Structure, distribution, and economic uses of major forest trees of the United States; emphasis on regional species. 2 Lecture (Liberal Studies C5). **Credits:** 3

NRM 256 - Dendrology Lab

Identification of major forest trees of the United States; emphasis on regional species. 4 Lab/field. **Credits:** 2

NRM 320 - Soil Conservation

Preservation, improvement, and utilization of soil resources for environmental

management and productivity. 2 Lecture, 2 Lab. **Prerequisites:** NRM 210 or permission of instructor. **Credits:** 3

NRM 330 - Introduction to Fish and Wildlife Ecology and Management

Presents foundations of fish and wildlife ecology and management. Topics include history and legislation, population dynamics, habitat, conservation, and sampling techniques. 2 Lecture, 2 Lab. **Prerequisites:** NRM 210 or NRM 240, or permission of instructor. **Credits:** 3

NRM 344 - Applied Geographic Information Systems

Application of geographic information systems to the study, conservation and management of natural resources. Independent project required. **Prerequisites:** GEOG 221, or NRM 213, or permission of instructor. **Credits:** 4

NRM 351 - Forest Ecology

The study of forests as integrated ecological systems; energy transfer; nutrient cycling; communities; succession; disturbance; and their roles in productivity and management. 2 Lecture, 2 Lab. **Prerequisites:** NRM 210 and NRM 240, or permission of instructor. **Credits:** 3

NRM 352 - Forest Resource Measurements

Principles of applications in measuring forest resources. Measurements of trees and stands for volume, quality, growth, land areas, and other forest resources. 2 Lecture, 2 Lab. **Prerequisites:** NRM 210 or permission of instructor. **Credits:** 3

NRM 371 - Landscape Ecology

The causes, development, quantification, and ecological consequences of spatial patterning on the landscape. Importance of scale; organism response to landscape patterns; natural- and human-caused disturbance. **Prerequisites:** GEOG 221 or permission of instructor. **Credits:** 3

NRM 389 - Cooperative Education in NRM

See Cooperative Education Program. **Credits:** 1 or 3, R15

NRM 420 - Soil Genesis and Classification

Students will study the formation and classification of soils and relate their

importance to resource management. 2 Lecture, 2 Lab. **Credits:** 3

NRM 432 - Wildlife Research and Survey Techniques

Students will use the knowledge and skills gained in entry level wildlife and natural resource management courses to work through and problem solve a variety of wildlife case studies with an emphasis on management and policy related issues. Students will **Prerequisites:** NRM 330. **Credits:** 4

NRM 440 - Integrated Resources Management

Natural resources management exercises; project and strategic planning; map and quantitative integration techniques; group dynamics. 2 Lecture, 4 Lab. **Prerequisites:** NRM 210 and completed 75 hours, or permission of instructor. **Credits:** 4

NRM 442 - Natural Resources Policy and Administration

Policy and administrative principles; case studies on the evolution of policy in the United States; current issues. **Prerequisites:** Junior Standing or permission of instructor. **Credits:** 3

NRM 444 - Applied Geographic Information Systems

Enhances knowledge in the areas of data capture, database management, spatial analysis, and cartographic display. Project-based course capitalizing on the benefits of experiential learning. 3 Lecture, 3 Lab. **Prerequisites:** NRM 344 or permission of instructor. **Credits:** 4

NRM 451 - Foundations of Silviculture

Principles of silviculture and their applications to the major forest types of the United States. Site and management requirements of important tree species. 3 Lecture, 2 Lab. **Prerequisites:** NRM 255 and NRM 351. **Credits:** 4

NRM 452 - Forest Management

Principles of forest management at stand and forest levels; forest growth, regulation, harvesting, and multiple-use management. 3 Lecture, 2 Lab. **Prerequisites:** NRM 210 or permission of instructor. **Credits:** 4

NRM 460 - Watershed Management

Principles of watershed management for analysis and control of water yield, timing,

and quality in single- and multiple-use situations. 2 Lecture, 2 Lab. **Prerequisites:** NRM 210 or permission of instructor. **Credits:** 3

NRM 472 - Geospatial Science Applications

Integrative, interdisciplinary investigation into ecosystem habitats. Biophysical interactions and extrapolation of community to landscape level analysis. 3 Lecture, 2 Lab. **Prerequisites:** GEOG 324 and NRM 344, or permission of instructor. **Credits:** 4

NRM 476 - Contemporary Fisheries

Biological concepts and alternative management practices involved in the protection, conservation, restoration, augmentation, and cultivation of fisheries resources. 3 Lecture, 3 Lab. **Prerequisites:** BIOL 304 or NRM 330. **Credits:** 4

NRM 479 - Mammalogy

Anatomy, physiology, ecology, behavior, diversity, evolution, and conservation of mammals. Lab will focus on identification of mammals through skin/skull specimens and photo, field research techniques, and behavior. Field trips required. 3 Lecture, 3 Lab **Prerequisites:** BIOL 241. **Credits:** 4

NRM 480 - Independent Study

Independent Study. **Prerequisites:** Natural Resource Conservation and Management major and permission of instructor. **Credits:** 1-3, R6

NRM 481 - Independent Study

Independent research or study in natural resource management for selected undergraduate students. Selection of subject area, nature of the research or study, and number of credit hours determined by student in conference with appropriate faculty member. 5 **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

NRM 483 - Applications in Forest Resource Management

Students will participate in actual forest management activities in order to gain practical, hands-on experience in the design and implementation of resource management treatments. **Credits:** 3, R6

NRM 493 - Topics in NRM

Topics in NRM. **Prerequisites:** Permission of instructor. **Credits:** 1-4, R12

NRM 499 - Senior Thesis in NRCM

This course is the culminating experience for Natural Resource majors. It is a guided original research project mentored by a faculty member. Students will integrate and apply knowledge and skills learned throughout the program to prepare for professional **Prerequisites:** Senior Standing and permission of instructor. **Credits:** 4 **Nursing**

NSG 101 - Introduction to Professional Nursing

Introduction to Professional Nursing Introduces pre-licensure students to essential competencies for nursing. 1 Lecture. Required prerequisite for subsequent nursing courses with a required minimum grade of 3.00 (B). **Credits:** 1

NSG 301 - Professional Transitions in Nursing

The development of the profession and of professional nurse roles and the processes through which they are conducted. **Corequisites:** NSG 398 and NSG 399. **Credits:** 3

NSG 302 - Community Health Nursing I: Theory

Concepts of population-focused nursing practice; protection and promotion of health for individuals, families, communities and aggregates. **Corequisites:** NSG 305 and NSG 374. **Credits:** 3

NSG 305 - Community Health Nursing III: Intervention Project

Community assessment, planning and intervention for health promotion in population-focused nursing practice. **Corequisites:** NSG 302 and NSG 374. **Credits:** 1

NSG 310 - Foundations of Nursing

Fundamental nursing concepts and processes essential to promoting health and maintaining wellness. Focuses beginning practitioner on care across the lifespan. **Prerequisites:** Admission to the Nursing program. **Corequisites:** NSG 311. **Credits:** 4

NSG 311 - Foundations of Nursing Practicum

Application of fundamental nursing concepts. The nursing role is explored within the context of individual, family, and community health. **Prerequisites:**

Admission to the Nursing program.

Corequisites: NSG 310. **Credits:** 3

NSG 312 - Nursing Assessment Through the Lifespan

Professional nursing observation and physical assessment of the individual in healthcare delivery systems. Basic systematic assessment skills used within the nursing process framework. **Prerequisites:** Admission to the Nursing program.

Corequisites: NSG 311. **Credits:** 3

NSG 313 - Pharmacotherapeutics in Nursing

Effects of chemicals used in the prevention, diagnosis, and treatment of disease. Emphasis on safe application of basic pharmacotherapeutic knowledge.

Prerequisites: Admission to the Nursing program. **Corequisites:** NSG 311. **Credits:** 2

NSG 315 - Nursing Ethics and Health Policy

Overview of professional issues and ethics in nursing and healthcare: exploration of health policies impacting nursing practice and healthcare. **Prerequisites:** Admission to the Nursing program. **Corequisites:** NSG 310. **Credits:** 2

NSG 320 - Concepts of Adult Nursing

Continuation of nursing process with emphasis on nursing science applicable to adults experiencing acute and chronic alterations in health. **Prerequisites:** NSG 310, NSG 311, NSG 312, and NSG 313.

Corequisites: NSG 321. **Credits:** 4

NSG 321 - Adult Nursing Practicum

Continued practical application of nursing process with emphasis on nursing science applicable to individuals experiencing acute and chronic alterations in health.

Prerequisites: NSG 310, NSG 311, NSG 312, and NSG 313. **Corequisites:** NSG 320.

Credits: 4

NSG 323 - Pharmacotherapeutics in Nursing II

Continued exploration of effects of chemicals used in the prevention, diagnosis, and treatment of disease. Incorporation of patient teaching and application of pharmacotherapeutic knowledge.

Prerequisites: NSG 313. **Credits:** 2

NSG 324 - Evidence Based Nursing Practice

Introduction to the intellectual skills needed to identify, conduct, report and critique

nursing research. **Prerequisites:** NSG 310 and NSG 311. **Corequisites:** NSG 320 and NSG 321. **Credits:** 2

NSG 326 - Emerging Trends in Nursing

Introduction of current issues affecting nursing and how present-day social, political, technological, and/or ethical issues impact nursing practice. **Prerequisites:**

Admission to the Nursing Program and NSG 310, NSG 311, NSG 312, NSG 313, and NSG 315. **Credits:** 1

NSG 327 - Nursing in Healthcare Policy and Systems

This course prepares the BSN-prepared nurse to integrate professional nursing identity, values, and disciplinary knowledge with knowledge across the disciplines to develop a critical analysis of healthcare systems, policy, and economics that improve equity. **Prerequisites:** Successful completion of 1st three years of RIBN program (ADN) and NCLEX-RN licensure.

Corequisites: NSG 302, NSG 305, and NSG 374. **Credits:** 3

NSG 328 - Nursing Leadership for Quality Healthcare

This course explores four of the nine essential components key to baccalaureate level nursing education as outlined by the American Association of Colleges of Nursing.

Prerequisites: NSG 327. **Corequisites:** NSG 329, NSG 471, NSG 472, and NSG 473.

Credits: 3

NSG 329 - Essentials of Baccalaureate Nursing Practicum

This course helps the associate degree-prepared nurse transition to the roles and responsibilities of a baccalaureate-educated nurse through practicum experiences.

Prerequisites: NSG 327. **Corequisites:** NSG 328, NSG 471, NSG 472, and NSG 473.

Credits: 3

NSG 330 - The Nurse Generalist in the Rural Community Setting

This course supports the development of a rural nurse generalist competent in the assessment and management of population health across diverse specialties, and healthcare delivery environments.

Prerequisites: NSG 301, NSG 398, and NSG 399. **Credits:** 3

NSG 331 - Perspectives of Nursing Care for Older Adults

Overview of nursing science specific to care of the aging older adult with emphasis on complex physiologic, emotional, and social patient needs. Explore the impacts of global aging on healthcare resources and providers. **Prerequisites:** Admission into the RIBN program or the RN-BSN program. **Credits:** 3

NSG 346 - Pathophysiology for Nursing
A study of human physiological changes which are the cause or result of pathologic or disease processes. Students may only repeat the courses once for a total of two attempts. **Prerequisites:** The completion of, or concurrent enrollment in both BIOL 291 and BIOL 292, or permission of instructor. **Credits:** 3

NSG 374 - Community Health Nursing II: Practice Experience
Application of wellness concepts and health promotion. Students will evaluate various community, public health and population health delivery systems. Opportunities will be arranged to define strategies to apply nursing leadership skills and processes to **Prerequisites:** NSG 301, NSG 398, and NSG 399. **Corequisites:** NSG 302 and NSG 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. **Corequisites:** NSG 302 and NSG 305. **Credits:** 2

NSG 393 - Topics in Nursing
Topics in Nursing. **Prerequisites:** Permission of instructor. **Credits:** 1-4, R12

NSG 398 - APA Writing Style and Format
Writing style and formatting as outlined in the Publication Manual of the American Psychological Association . S/U grading. **Prerequisites:** Permission of instructor. **Credits:** 1

NSG 399 - Clinical Update for RN's
Registered nurse students demonstrate or provide documentary evidence of satisfactory level of competence in basic professional nursing knowledge and skills. **Prerequisites:** NSG 301 and NSG 398. **Credits:** 2

NSG 407 - Health Promotion in Nursing Practice
Health Promotion in Nursing Practice explores the concepts of health promotion and the application of health promotion concepts to improve well-being and optimum health of health care professionals and the clients they serve.. **Prerequisites:** Permission of instructor. **Credits:** 3

NSG 408 - Perspectives in International Nursing Leadership
A comprehensive exploration of global nursing issues within a travel study opportunity to collaboratively build leadership skills and establish learning partnerships. **Prerequisites:** Permission of instructor. **Credits:** 3

NSG 410 - Concepts of Adult Nursing II
Continuation of nursing process with emphasis on nursing science applicable to adults experiencing acute alterations in health. **Prerequisites:** NSG 320 and NSG 321. **Corequisites:** NSG 411. **Credits:** 4

NSG 411 - Adult Nursing II Practicum
Continued application of nursing process with emphasis on nursing science applicable to individuals experiencing acute and chronic alterations in health. **Prerequisites:** NSG 310 and NSG 311. **Corequisites:** NSG 410. **Credits:** 4

NSG 412 - Concepts of Maternal/Child Nursing
This course is a continuation of the nursing process with emphasis on the nursing art and science applicable to the childbearing and childrearing family. **Prerequisites:** NSG 320 and NSG 321. **Corequisites:** NSG 413. **Credits:** 4

NSG 413 - Maternal/Child Nursing Practicum
Application of nursing process with emphasis on the nursing science of childbearing and childrearing concepts. **Prerequisites:** NSG 320 and NSG 321. **Corequisites:** NSG 412. **Credits:** 3

NSG 414 - Advanced Technology & Pharmacotherapeutics
This course is designed to increase knowledge of and ability to apply advanced pharmacology and technology to nursing practice. **Prerequisites:** NSG 310, NSG 311,

NSG 313, and NSG 323. **Corequisites:** NSG 410 and NSG 411. **Credits:** 1

NSG 420 - Synthesis of Nursing Concepts

Synthesis of program outcomes for transition into nursing practice as a graduate nurse. **Corequisites:** NSG 421. **Credits:** 2

NSG 421 - Synthesis of Nursing Practicum

Application of program outcomes for transition into professional practice as a graduate nurse. **Corequisites:** NSG 420. **Credits:** 3

NSG 422 - Concepts of Community/Mental Health Nursing

Integration of concepts of community and mental health nursing. **Prerequisites:** NSG 320 and NSG 321. **Corequisites:** NSG 423. **Credits:** 4

NSG 423 - Community/Mental Health Nursing Practicum

Application of the art and science of nursing specific to patients in community/mental health settings. **Prerequisites:** NSG 410, NSG 411, NSG 412, NSG 413, and NSG 414. **Corequisites:** NSG 422. **Credits:** 3

NSG 424 - Concepts of Nursing Leadership in Management

Integrates concepts of nursing leadership and management. Overview of concepts and skills of dynamic and creative leadership and management for high quality patient centered nursing. **Prerequisites:** NSG 410, NSG 411, NSG 412, NSG 413, and NSG 414. **Corequisites:** NSG 421. **Credits:** 2

NSG 430 - Ethics, Law and Health Policy

Analyze the impact of ethics, law, and health policy on nursing practice and healthcare. **Prerequisites:** Permission of instructor. **Credits:** 3

NSG 460 - Nursing Leadership I: Theory

Leadership theory in the management of clients, peers, and other healthcare providers in nursing service settings. **Prerequisites:** NSG 301, NSG 398, and NSG 399. **Corequisites:** NSG 463 and NSG 474. **Credits:** 3

NSG 461 - Basic Nursing Leadership and Management

Leadership theory in the management of clients, peers, and other healthcare

providers in nursing service settings for the Pre-licensure nursing student.

Prerequisites: Permission of instructor.

Credits: 2

NSG 463 - Nursing Leadership III:

Intervention Project

Nursing leadership and management assessment, planning, analysis, and intervention plan for selected site of student's choice. **Corequisites:** NSG 460 and NSG 474. **Credits:** 1

NSG 470 - Nursing Research

Research design in the study of nursing problems; interpretation of research emphasized. **Prerequisites:** Permission of instructor. **Credits:** 2

NSG 471 - Nursing Research I: Research Process

Research design in the study of nursing problems; research process emphasized. **Corequisites:** NSG 472 and NSG 473. **Credits:** 2

NSG 472 - Nursing Research II: Critical Reading

This course introduces the RN student to research design in the study of nursing problems, research process and research design as foundational for critical reading and clinical application of nursing research. **Prerequisites:** Permission of instructor. **Corequisites:** NSG 471 and NSG 473. **Credits:** 2

NSG 473 - Nursing Research III: Clinical Application

Research design in the study of nursing problems; clinical application emphasized. **Prerequisites:** Permission of instructor. **Corequisites:** NSG 471 and NSG 472. **Credits:** 2

NSG 474 - Nursing Leadership II: Practice Experience

The student is offered a unique opportunity for practice analysis, and refinement of nursing leadership/management skills through the application of management principles in the care of clients with complex health problems through the study of leadership. **Corequisites:** NSG 460 and NSG 463. **Credits:** 2

NSG 480 - Independent Study

S/U grading. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

NSG 483 - Nursing Leadership II: Practicum

Application of management principles in the care of clients with complex health problems through the study of leadership. S/U grading. 6 Lab. **Corequisites:** NSG 460 and NSG 484. **Credits:** 2

NSG 484 - Nursing Leadership III: Intervention Project

Nursing leadership and management assessment, planning, analysis, and intervention plan for selected site of student's choice. **Corequisites:** NSG 460 and NSG 483. **Credits:** 1

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 (Liberal Studies 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) (Liberal Studies P4). **Credits:** 3

PAR 121 - Religious Ethics and Moral Problems

Religious Ethics and Moral Problems introduces students to the comparative study of religion and its application to a range of moral problems: sexuality and family, globalization, poverty, human rights, church-state relations, economic justice, environment **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 (Liberal Studies 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 (Liberal Studies P4). **Credits:** 3

PAR 190 - Freedom, Culture, and Utopia

Study of classic utopian visions of ideal societies, along with criticisms arising from

the implications for human freedom in such communities. 3 Seminar. **Credits:** 3

PAR 193 - Cults & Covens: Investigating New Religious Movements

This course will look at a variety of New Religious Movements or "minority religions" such as Neopaganism, the Nation of Islam, the Church of Scientology, the Branch Davidians, and the Church of Satan. Students will become familiar with the tools and meth **Credits:** 3

PAR 201 - Philosophy of Sex and Love

An examination of key conceptual and ethical questions concerning love and sex. Is love really essential to a good life? What defines sexual perversion? (Liberal Studies P4). **Credits:** 3

PAR 230 - Legal, Scientific, & Critical Reasoning

Argument analysis; validity, strength, soundness of deductive and inductive arguments; logical fallacies; practical uses of critical reasoning in legal, scientific, and ethical case studies. **Credits:** 3

PAR 250 - Origins of Early Christian Traditions

Study of the historical events, processes, and key persons involved in the emergence of the early Christian church, stressing philosophical-theological disputes forming early Christianity (Liberal Studies P4). **Credits:** 3

PAR 251 - Islam, Past and Present

As a global religion, no single expression of Islam and no simple definition of Muslim communities exist. This course investigates the diversity and vitality of Islam in its historical and contemporary contexts and people (Liberal Studies P6). **Credits:** 3

PAR 260 - Religion, Gender, Sexuality

We will explore the intersections of religions and genders by investigating how religious worldviews have been shaped by and have helped to shape the perspectives and practices of individuals and societies. In addition to learning about gendered identities **Credits:** 3

PAR 295 - Self, Society, & the Good Life

An intensive seminar teaching the skills of research and writing in the humanities,

while studying theories and problems of the good life. **Credits:** 3

PAR 304 - Ancient Greek and Roman Thought

Study of select Greek and Roman thinkers and texts (e.g. Sophocles, Plato, Aristotle, Seneca, Virgil, Lucretius, Augustine) on issues such as human flourishing, knowledge, justice, virtue, pleasure, and the divine (Liberal Studies P4). **Credits:** 3

PAR 306 - Early Modern Philosophy from Copernicus to Kant

Rejecting authority of tradition, rationalists, and empiricists, like Rene Descartes and Francis Bacon, inaugurate modern natural science by demanding new methods and principles of reasoning (Liberal Studies P4). **Credits:** 3

PAR 307 - Existentialism and Beyond

Study of one or more main currents of 19th -21st century European "Continental" philosophy, such as Existentialism, Phenomenology, Hermeneutics, German Idealism and Romanticism, Marxism, Critical Theory, Feminism, and Poststructuralism (Liberal Studies P **Credits:** 3

PAR 309 - Philosophy In and Of Film

Philosophical ideas in film; philosophical ideas about film and about the interpretation of film (Liberal Studies P4). **Credits:** 3

PAR 310 - Philosophy of Art

Consideration of ways of making reflective claims about art; emphasis on development of a personal viewpoint (Liberal Studies P4). **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 (Liberal Studies 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 (Liberal Studies P4). **Credits:** 3

PAR 315 - Philosophy of Mind

A survey of the major philosophical theories of mind and a study of some select moral and social scientific implications of those theories (Liberal Studies P4). **Credits:** 3

PAR 317 - Feminist Thought

This interdisciplinary course maps out the central concepts, debates, and questions of feminist thought through classic and contemporary texts in philosophy, religious studies, women's and gender studies, and related disciplines (Liberal Studies P4). **Credits:** 3

PAR 319 - Philosophy of Race

This course focuses on the various philosophical discourses around issues and questions of race. Topics include debates about the status of race, portrayals of race in cultural media, issues of racial and social justice, the relationship of race to person **Credits:** 3

PAR 320 - Philosophical and Religious Classics

An exploration of a seminal text or thinker in philosophical or religious thought (Liberal Studies P4). **Credits:** 3, R6

PAR 323 - Mysticism

Study of the varied meanings of mysticism in thought, religion, and culture (Liberal Studies 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 (Liberal Studies P4). **Credits:** 3

PAR 332 - Biomedical Ethics and Social Justice

Ethical theories surrounding autonomy, beneficence, and justice, applied to concepts of health, disease, and personhood; patient-provider relationship, life-death issues, health policy, genetic engineering, and biomedical research (Liberal Studies P4). **Credits:** 3

PAR 333 - Environmental and Animal Ethics

Environmental and animal ethics concern how humans ought to relate to non-human animals and nature. Traditions and approaches both ancient and modern will be considered. Guiding contemporary

concepts, such as sustainability, biodiversity, and personhood w **Credits:** 3

PAR 342 - Theory and Method in the Study of Religion

A reflection upon the methodologies (historical, socio-psychological) used in the modern scholarly study of religion, and theories about the origins and nature of religion (Liberal Studies P6). **Credits:** 3

PAR 353 - Religion in Film

An examination of how religion and the fundamental problems of religious thought have been portrayed in classic and contemporary film (Liberal Studies 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 (Liberal Studies P6). **Credits:** 3

PAR 356 - Buddhism

Introduction to the philosophy and practice of Buddhism, considering its various manifestations from different historical periods and geographical locations (Liberal Studies P6). **Credits:** 3

PAR 357 - Hinduism

Introduction to a range of primary texts and traditional practices important in different Hindu cultures (Liberal Studies P6). **Credits:** 3

PAR 365 - Faith and Reason from Empire to Enlightenment

Historical-critical study of key texts of medieval Catholic theologians, Anselm and Aquinas, later Scholasticism, Erasmus' humanism, followed by examination of Reformation theologians, Luther and Calvin (Liberal Studies P4). **Credits:** 3

PAR 366 - Science, Religion & Knowledge

Critical investigation of scientific methods, processes of discovery, and varieties of explanation. Consideration of the conflicts between religious and scientific claims, with attention to pivotal cases such as Galileo's dispute with the Church and creat **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 (Liberal Studies P6). **Credits:** 3

PAR 380 - Independent Study

Independent Study. **Credits:** 1-3, R6

PAR 392 - Global Justice, Liberty, and Human Rights

Discussion of whether global justice can be achieved, in light of political realism, poverty, women's inequities, war, markets, with concern for human liberty and rights. **Prerequisites:** Sophomore Standing or higher. **Credits:** 3

PAR 393 - Topics in Philosophy and Religion

Topics in Philosophy and Religion. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R6

PAR 495 - Seminar in Philosophy and Religion

Seminar in Philosophy and Religion. **Prerequisites:** Six hours in philosophy, excluding PAR 101 and PAR 201; or permission of instructor. **Credits:** 3, R9 **Physical Education**

PE 101 - Yoga

Adapted yoga postures and breathing; foundations for meditation. 1 Lecture, 2 Lab. **Credits:** 2

PE 107 - Synchronized Swimming

Creative patterns and movement with music. 2 meetings. **Credits:** 1

PE 108 - Canoeing

One 2-hour meeting. **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 120 - RAD: Rape Aggression Defense - Basic Self-Defense for Women
Overview of sexual assault prevention strategies and self-defense techniques for women. **Credits:** 2

PE 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 132 - Basketball
2 meetings. **Credits:** 2

PE 133 - Volleyball
2 meetings. **Credits:** 2

PE 134 - Softball
2 meetings. **Credits:** 2

PE 135 - Soccer
2 meetings. **Credits:** 2

PE 136 - Beginning Disc Golf
This course will explore techniques, strategies, etiquette, rules, and safety issues of disc golf as a lifetime fitness activity. **Credits:** 2

PE 137 - Beginning Mountain Biking
This course will explore techniques, strategies, equipment, and safety issues of mountain biking as a lifetime fitness activity. **Credits:** 1

PE 202 - Casting
Bait, spin, and fly casting; fundamentals and care of equipment. 2 meetings. **Credits:** 1

PE 203 - Beginning Snowboarding
This course introduces snowboarding for students who are new or are beginning snowboarders. Knowledge and execution of the skills are taught to enjoy snowboarding at a beginning level. On-snow instruction is provided at local snow resort. **Credits:** 1

PE 204 - Beginning Alpine Skiing
This course introduces skiing for students who are new or are beginning skiers. Knowledge and execution of the skills are taught to enjoy skiing at a beginning level.

On-snow instruction is provided at local snow resort. **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 213 - Advanced Snowboarding
This course introduces snowboarding for students who are intermediate or advanced snowboarders. Knowledge and execution of the skills are taught to enjoy snowboarding at an intermediate or advanced level. On-snow instruction is provided at local snow resort. **Credits:** 1

PE 214 - Advanced Alpine Skiing
This course introduces skiing for students who are intermediate or advanced skiers. Knowledge and execution of the skills are taught to enjoy skiing at an intermediate or advanced level. On-snow instruction is provided at local snow resort. **Credits:** 1

PE 228 - Adapted Physical Education
Remedial and therapeutic activities. 2 meetings. **Prerequisites:** Permission of instructor and recommendation of a physician. **Credits:** 1, R3

PE 231 - Aquarobics
Pool-based non-swimming aerobic activity for all ages and fitness levels. 2 meetings. **Credits:** 1

PE 250 - Elementary School Physical Education Curriculum
Physical education in relation to the total curriculum. **Credits:** 2

PE 264 - Skill Acquisition
The course emphasizes skill acquisition in tumbling, gymnastics and swimming. 2 meetings. **Credits:** 1

PE 265 - Sports Officiating I
Rules, techniques, and mechanics in sports officiating; football, softball, baseball. **Credits:** 2

PE 267 - Principles of Athletic Coaching

The role of the athletic coach in the management of an athletic program, and in the supervision and instruction of athletes within an athletic program. **Credits:** 3

PE 300 - Coaching Baseball

Emphasis is placed on skills of body mechanics, essential technical and tactical skills, organization of a baseball program and evaluation of performance. Analysis of offensive and defensive strategies, understanding of the rules, and on-field communication. **Credits:** 2

PE 301 - Coaching Basketball

Survey of basketball coaching techniques, including conditioning, teaching fundamentals, offensive and defensive strategies, team management, planning, rules, and philosophy. **Credits:** 2

PE 302 - Coaching Football

Theory and practice of coaching football, including the understanding of skills and the analysis of offensive and defensive techniques and strategies. **Credits:** 2

PE 303 - Coaching Golf

Methods and techniques of golf coaching. Emphasis will be placed on basic golf skills, the rules of golf, course management, ethics and golf etiquette, high school athletic governance, fitness for golf, how to conduct effective golf practice sessions, and **Credits:** 2

PE 304 - Coaching Soccer

Emphasis on development of soccer skills, knowledge of rules, small group/team tactics and positioning of players from beginners to advanced. The combination of skill development, cognitive strategies, and effective planning will prepare the participant. **Credits:** 2

PE 306 - Coaching Softball

Methods and techniques of coaching softball. Basic rules, strategies, officiating, ethics, governance, fitness, training and nutrition for the sport of softball. **Credits:** 2

PE 307 - Coaching Tennis

Methods and techniques of coaching tennis. Emphasis will be placed on tennis skills, tennis rules, strategies, officiating, ethics and tennis etiquette, governance of high school athletics, how to conduct effective

tennis practice sessions, tennis fitness

Credits: 2

PE 308 - Coaching Track and Field

Fundamental technique, teaching strategies, common errors and corrections, assessment, common standards of performance, and safety suggestions for coaching the sport of track and field.

Credits: 2

PE 309 - Coaching Volleyball

Emphasis on the knowledge, skills, methods, and strategies of volleyball. Physical fundamentals and tactical aspects of volleyball are present. **Credits:** 2

PE 315 - Theory & Practice of Strength & Conditioning for Coaches

The purpose of this course is to introduce students to the theory of weight lifting and provide practical fundamental knowledge to execute safe and effective weight lifting programs. **Credits:** 2

PE 360 - Skills in Promoting Healthful Living

A competency-based course of methods and materials in health, first aid/safety, and physical education for the elementary school program. 2 Lecture, 1 Lab. **Credits:** 1

PE 361 - Physical Education for the Elementary Teacher

A competency-based course of methods and materials in physical education for the elementary school program. 3 per week for 5 weeks. **Credits:** 1

PE 380 - Independent Study

A topic in health, physical education, or recreation agreed upon by student and instructor. **Prerequisites:** ENGL 202 and permission of department head. **Credits:** 1-3

PE 383 - Instructional Apprenticeship

Apprenticeship to develop teaching and leadership skills before student teaching. Three hours per credit hour. **Prerequisites:** Physical Education major and permission of instructor. **Credits:** 1, R3

PE 389 - Cooperative Education in PE and Sports

See Cooperative Education Program. **Credits:** 1 or 3, R15

PE 483 - Coaching Practicum

A 45-hour practical coaching experience in an interscholastic, intercollegiate, or youth/club sport setting. Students will demonstrate skills in organization, physical skill demonstration, planning, teaching, evaluation, ethical behaviors, communication, **Prerequisites:** PE 267 and permission of instructor. **Credits:** 2

PE 493 - Special Topics

Trends and issues in physical education, sport management, and recreation. **Credits:** 3, R6

Physics

PHYS 105 - Contemporary Physics

A lecture/laboratory integrated course covering some basic subject areas in physics, as well as some historical background. Topics include motion, forces, pressure/fluids, wave motion, nuclear physics, relativity and string theory, and energy. 3 Lecture/L **Credits:** 3

PHYS 130 - Introductory Physics I

Noncalculus-based treatment of motion, force, energy, and heat. 3 Lecture, 2 Lab (Lecture-3 credits, Lab 1 credit) (Lab is required) (Liberal Studies C5). **Credits:** 4

PHYS 131 - Introductory Physics II

A continuation of PHYS 130 covering electricity, magnetism, optics, and modern physics. 3 Lecture, 2 Lab (Lecture 3 credits, Lab 1 credit) (Lab is required) (Liberal Studies C5). **Prerequisites:** PHYS 130.

Corequisites: Lab must be taken concurrently with lecture. **Credits:** 4

PHYS 230 - General Physics I

Calculus-based study of motion, force, energy, wave motion, and thermodynamics. 3 Lecture, 3 Lab. (Lecture-3 credits, Lab-1 credit) (Lab is required) (Liberal Studies C5).

Prerequisites: MATH 153. **Corequisites:** Lab must be taken concurrently with lecture. **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) (Liberal Studies C5). **Prerequisites:** PHYS 230.

Credits: 4

PHYS 310 - Modern Physics

Special relativity, quantum physics, the wave nature of matter, atomic and nuclear structure, and elementary particles.

Prerequisites: (MATH 140 or MATH 153) and (PHYS 131 or PHYS 231). **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:** MATH 255 and (PHYS 131 or PHYS 231).

Credits: 3

PHYS 322 - Optics

Geometrical and physical optics, introduction to quantum optics.

Prerequisites: MATH 255 and (PHYS 131 or PHYS 231). **Credits:** 3

PHYS 325 - Thermodynamics

Classical theory of heat, first and second laws of thermodynamics, enthalpy, entropy, introductory kinetic theory, and statistical thermodynamics. **Prerequisites:** MATH 256 and PHYS 131. **Credits:** 3

PHYS 330 - Geophysics

Geophysics. **Prerequisites:** PHYS 130 or PHYS 230; and the completion of, or concurrent enrollment in either PHYS 131 or PHYS 231. **Credits:** 4

PHYS 335 - Astrophysics

Introduction to the basic principles of astrophysics; stellar structure, stellar evolution, galactic astronomy.

Prerequisites: MATH 256 and (PHYS 131 or PHYS 231). **Credits:** 3

PHYS 360 - Laboratory Physics

Intermediate experiments in modern physics. **Prerequisites:** PHYS 131 or PHYS 231. **Credits:** 2

PHYS 380 - Research in Physics

Physics research projects for individual students. Lab; three-hours weekly in lab per credit hour. **Prerequisites:** Permission of instructor. **Credits:** 1-3, R12

PHYS 410 - Classical Mechanics

Topics in analytical mechanics using vector operators and differential equations.

Prerequisites: MATH 256 or PHYS 320. **Credits:** 3

PHYS 440 - Electricity and Magnetism

Topics in electricity and magnetism using vector operators and differential equations.

Prerequisites: MATH 320 or (PHYS 320 and PHYS 410). **Credits:** 3

PHYS 450 - Quantum Mechanics

Origins of quantum theory, the Schrodinger equation, one-dimensional potentials, linear harmonic oscillator, spherically symmetric potentials, and the hydrogen atom. **Prerequisites:** MATH 256 and PHYS 310. **Credits:** 3

PHYS 454 - Computer Interfacing

Digital logic, computer design, and interfacing with laboratory instruments. This course is cross-listed with CHEM 454. 3 Lecture. **Prerequisites:** A grade of C- or better in PHYS 131 or PHYS 231. **Credits:** 3

PHYS 493 - Topics in Physics

Topics in Physics. **Prerequisites:** Permission of department head. **Credits:** 2-4

Parks and Recreation Management

PRM 200 - Introduction to Rock Climbing

This course is designed to introduce and familiarize both novice and intermediate students to the activity of rock climbing - including philosophy, safety, knots, belay techniques, site and equipment selection, and nature/conservation issues. We will utilize **Credits:** 2

PRM 224 - Survey of Outdoor Adventure Activities

Introduction to various outdoor adventure activities (e.g., hiking, backpacking, overnight camping, cycling, and canoeing) focused on introductory skills necessary to engage in outdoor adventure activities and avoidance of survival situations. Various field **Credits:** 2-4, R9

PRM 250 - Foundations of Parks and Recreation Management

Concepts, philosophical orientations, and aspects of recreation, play, and leisure; the organization of leisure and recreation as a service and profession. **Credits:** 3

PRM 252 - Wilderness First Aid

This course focuses on developing first aid skills to respond quickly to a sick or injured person until more advanced care is available. 1 Lecture, 1 Lab. **Credits:** 2

PRM 254 - Introduction to Outdoor Pursuits Education

Instructional techniques for outdoor pursuits. Back country characteristics are reviewed in terms of hazards, use ethics, and safety. 2 Lecture, 2 Lab. Non-PRM majors/minors may take this course with instructor permission. **Credits:** 4

PRM 255 - Active Recreation and Leisure

Active Recreation & Leisure will offer an exploration of active leisure pursuits and the connection between parks, recreation, physical activity, wellness, and public health. The course will prepare future professionals to lead, supervise, or program activities. **Credits:** 3

PRM 270 - Leadership and Group Dynamics in Recreation

Emphasis will be on appropriate theories and techniques for specific clientele and the different populations that are encountered as a recreation professional. **Credits:** 3

PRM 275 - Diversity and Inclusion in PRM

This course seeks to foster diversity and inclusion in parks and recreation management by assisting students in gaining the awareness, understanding, knowledge, and abilities in working with those of a different ability, socio-economic status, gender, and **Credits:** 3

PRM 293 - Topics in Parks and Recreation Management

Topics in Parks and Recreation Management. **Credits:** 1-3, R6

PRM 300 - Intermediate Rock Climbing

This course will include top rope climbing, site management, and rescue techniques. (Please note that this is not a certification course). **Credits:** 3

PRM 310 - Stand Up Paddling

Introduction, practice, and successful execution of the skills needed to enjoy stand up paddle boarding. The course includes content information delivered through active participation, online learning modules, and small group discussions; on and off the water. **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 320 - Facilitating Environmental Education Experiences

Through readings, site visits, practice and discussion, students will learn about the theoretical and historical background of the field of environmental education. Students will gain practical experience developing and facilitating environmental education. **Credits:** 3

PRM 321 - Introduction to Environmental Interpretation

Through readings, site visits, practice and discussion, students will learn about the theoretical and historical background of the field of environmental interpretation. Students will gain practical experience evaluating interpretive displays and presentations. **Credits:** 3

PRM 322 - International Adventure Travel & Global Citizenship

While "global citizenship" is a term that is utilized in a variety of contexts, its meaning is rarely defined. In this course, students will explore what it means to be a citizen, what it means to be a global citizen, and where international adventure travel fits in. **Credits:** 3

PRM 333 - Experiential Education Methods

This lecture/lab course is based upon experiential education theories and application of those theories to instruction techniques in diverse settings. 3 lecture and 1 lab credit. **Credits:** 4

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 341 - Group Facilitation Techniques

This course is for individuals who want to use adventure activities in settings where personal growth through small group intervention is the goal. Non-PRM majors/minors may take this course with instructor permission. Background check required for this. **Credits:** 3

PRM 351 - Wilderness Therapy

Wilderness Therapy is a behavioral healthcare field that is focused on facilitating outdoor experiences for therapeutic purposes. In this course, we explore the history of wilderness therapy, popular wilderness therapy theories and techniques, and address. **Credits:** 3

PRM 352 - Whitewater Kayaking

This course is designed to give the student confidence and skill in whitewater and flat water kayaking and to provide an environment where students enjoy paddling and gain an appreciation and respect for a whitewater environment. Strong swimming ability. **Credits:** 3

PRM 353 - Whitewater Canoeing

This course is designed to give the student confidence and skill in whitewater and flat water canoeing and to provide an environment where students enjoy paddling and gain an appreciation and respect for a whitewater environment. Strong swimming ability. **Credits:** 3

PRM 354 - Outdoor Living and Expedition Skills

This course provides students with the information and skills necessary to be safe, comfortable, and environmentally sound while traveling and living in an outdoor environment. Emphasis is on foundational skills including route finding, injury prevention, **Prerequisites:** PRM 254 or permission of instructor. **Credits:** 3

PRM 356 - Outdoor First Aid

This course covers the nationally recognized outdoor medical training developed and required by the National Ski Patrol (NSP). This material is presented in a format that combines the disciplines of urban EMS and wilderness medical rescue. A national certification exam. **Credits:** 4

PRM 357 - Wilderness First Responder

This course trains participants to respond to emergencies in remote settings. The 80-hour curriculum includes standards for urban and extended care situations. Special topics include but are not limited to: wound management and infection, realigning fractures. **Credits:** 4

PRM 361 - Program Planning and Evaluation in PRM

Designed to equip students with a variety of program planning methodologies, including proposal and grant writing. Evaluative research methods are also included. 3 Lecture, 1 Lab. Background check required for this course. **Prerequisites:** PRM 250. **Credits:** 4

PRM 362 - Sustainable Recreation & Public Land Management

How do we balance both human and environmental needs when managing our (USA) public lands? This course explores the foundational philosophies of environmental sustainability, recreation, and land management. We examine the complexity of land management de **Credits:** 3

PRM 365 - Nature Rx

Nature Rx explores the connection between nature and wellness. Students will gain a better understanding of the research associated with the social, emotional, intellectual, and physical health benefits of engaging in, and with, nature. This understandin **Credits:** 3

PRM 370 - Professional Planning in PRM

Professional Planning in PRM will provide students with the knowledge, training, skills, and career-ready deliverables to be prepared for their capstone internship and professional career. **Credits:** 3

PRM 383 - Mini-Internship I in PRM

The mini-internship (50 hours) provides students with exposure to various areas of professional practice within PRM and helps prepare students for their capstone internship. Students are required to complete three mini-internships of 50 hours each (PRM 38 **Credits:** 1

PRM 384 - Mini-Internship II in PRM

The mini-internship (50 hours) provides students with exposure to various areas of professional practice within PRM and helps prepare students for their capstone internship. Students are required to complete three mini-internships of 50 hours each (PRM 38 **Credits:** 1

PRM 385 - Mini-Internship III in PRM

The mini-internship (50 hours) provides students with exposure to various areas of professional practice within PRM and helps prepare students for their capstone internship. Students are required to

complete three mini-internships of 50 hours each (PRM 38 **Credits:** 1

PRM 425 - Advanced Climbing and Rescue Techniques

Advanced climbing instruction and rescue techniques for many potential environments including rock, snow, and ice. The course includes institutional techniques used by different associations/agencies and adaptations for diverse populations. Strong climb **Prerequisites:** PRM 200 or permission of instructor. **Credits:** 4

PRM 426 - Advanced Paddling and Rescue Techniques

Water-based outdoor instruction in canoeing, kayaking, and rescue techniques. Includes institutional teaching techniques used by different agencies (e.g. American Canoe Association and Rescue 3 International). Strong swimming ability required. **Prerequisites:** PRM 352, or PRM 353, or permission of instructor. **Credits:** 4

PRM 427 - Wilderness Education

An expedition style course, leader decision-making is taught through backpacking, mountaineering, and canoeing. National certification is possible through the Wilderness Education Association. Eight-or-sixteen-day expedition. **Credits:** 3-6

PRM 430 - Entrepreneurship and Commercial Recreation

Analysis of types of commercial and private recreation enterprises, probable trends and directions, requirements and procedures for planning and organizing commercial recreation services. **Prerequisites:** PRM 361 or permission of instructor. **Credits:** 3

PRM 433 - Outdoor Recreation and Public Land Management

This course is designed to provide an overview of wildland recreation management history, principles, practices, and contemporary issues. Public land management will also be a focal point through examination of the major public land management agencies in **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, R8

PRM 454 - Expedition Management and Leadership

A wilderness leadership course which offers instruction in expedition leadership and management skills such as judgment and decision-making, group management, route and ration planning, land navigation, teaching and facilitation techniques, and risk management. **Prerequisites:** PRM 254 or permission of instructor. **Credits:** 4

PRM 461 - Management and Administration of PRM Services

Management, organization, and supervision in recreation and leisure service administration. Includes entrepreneurship, planning processes, marketing, fiscal strategies, human services, evaluation, and research. **Prerequisites:** PRM 361 or permission of instructor. **Credits:** 3

PRM 480 - Independent Study

Independent Study. **Prerequisites:** Permission of program coordinator. **Credits:** 3, R6

PRM 483 - Capstone Internship in PRM I

The capstone internship in Parks and Recreation Management (PRM) is a culminating professional experience that allows students to connect theory and practice. Students select an agency and position that represents their focus area of study in PRM. Student **Prerequisites:** PRM 370. **Credits:** 3

PRM 484 - Capstone Internship in PRM II

The capstone internship in Parks and Recreation Management (PRM) is a culminating professional experience that allows students to connect theory and practice. Students select an agency and position that represents their focus area of study in PRM. Student **Prerequisites:** PRM 370. **Credits:** 3

PRM 485 - Internship in Parks and Recreation Management

Placement in a cooperating agency to relate classroom learning to practice. Nine hours per week per course. **Credits:** 3

PRM 486 - Field Experience

Field experience in cooperation with existing programs such as North Carolina Outward Bound School and Nantahala Outdoor Center. 1-12 Lab. **Prerequisites:** Permission of instructor. **Credits:** 1-12

PRM 493 - Topics in Parks and Recreation Management

Advanced topics in Parks and Recreation Management. **Credits:** 1-3, R6

PRM 495 - Senior Seminar in Parks and Recreation Management

This class is the designated capstone senior seminar course for students majoring in Parks & Recreation Management. The course will focus on contemporary trends and issues facing parks and recreation professionals and related career preparation. Students **Prerequisites:** PRM 361. **Credits:** 3

Political Science

PSC 101 - American Government and Politics

The American political system; introduction to government institutions and how politics shapes policies (Liberal Studies P1). **Credits:** 3

PSC 169 - Global Issues

How globalization as a cultural and economic process is transforming contemporary society (Liberal Studies P6). **Credits:** 3

PSC 190 - Freshman Seminar in Political Science

Exploration of various topics in American, comparative, and international politics. **Credits:** 3

PSC 230 - Political Analysis I

Research methods and theoretical approaches for describing, explaining, and solving domestic and foreign policy problems. **Prerequisites:** PSC 101 or PSC 169. **Credits:** 3

PSC 231 - Political Analysis II

Students will learn how to analyze data to describe, explain, and solve domestic and foreign policy problems. **Prerequisites:** PSC 230. **Credits:** 3

PSC 240 - Political Theory

Explanation of thinkers and ideas that shape our current political debates, covering classic and modern writings. **Credits:** 3

PSC 301 - Congress

Congress as an institution; its role in the formulation of national policies; case studies dealing with legislation in the various areas of national policy. **Prerequisites:** PSC 101. **Credits:** 3

PSC 308 - American Presidency

The chief executive, his advisers, role playing, and decision making in the executive branch. **Prerequisites:** PSC 101. **Credits:** 3

PSC 312 - Judicial Process

The process of judicial decision making. The institutional and political constraints on judicial behavior. Judicial decision making as a tool of interpretation and impact. **Prerequisites:** PSC 101. **Credits:** 3

PSC 313 - Constitutional Law: Structure and Powers

An examination of the United States Constitution in substance and its role in defining and shaping the American political system and American culture. **Prerequisites:** PSC 101. **Credits:** 3

PSC 314 - Southern Politics

An analysis of Southern politics that focuses on the region's unique political history, its transformation during the twentieth century and its importance in national politics. **Prerequisites:** PSC 101. **Credits:** 3

PSC 315 - Political Parties, Campaigns and Elections

Role of political parties in campaigns and elections; how strategy, context, the media, and interest groups affect who runs for and wins elections; voter decision-making. **Prerequisites:** PSC 101. **Credits:** 3

PSC 316 - Gender and Politics

Gender roles examined in the context of national, state, and local government and politics. **Prerequisites:** PSC 101. **Credits:** 3

PSC 318 - Political Communication

Examination and assessment of the power and influence of the mass media in politics. **Prerequisites:** PSC 101. **Credits:** 3

PSC 322 - Public Administration

Administrative theory and practice; implementation of governmental policies; case studies of the administrative process in such areas as business regulation, health care, and law enforcement. **Credits:** 3

PSC 323 - The Nonprofit Sector

Students in this course will explore the role of the nonprofit sector in civil society (Liberal Studies P1). **Prerequisites:** Sophomore Standing or higher. **Credits:** 3

PSC 324 - Political and Organizational Leadership

Concepts and processes of leadership related to political and public organizations. **Prerequisites:** PSC 101 or PSC 169. **Credits:** 3

PSC 325 - Public Policy

Alternative public policies in selected areas: social welfare, health care, resources, labor, agriculture, civil rights, business, taxation, defense, and education. **Credits:** 3

PSC 326 - Natural Resources Policy and Administration

Policy and administration principles; case studies on the evolution of policy in the United States; current issues. **Prerequisites:** Junior Standing. **Credits:** 3

PSC 327 - State and Local Government

Structure and functions of state and local government; processes of policy formation. **Credits:** 3

PSC 328 - U.S. Social Policy

This course is focused on questions of racial and economic inequality in the United States. In addition to aiding in the substantive understanding of these issues, students will come away with a deeper understanding of the long-term impact of social policy. **Prerequisites:** PSC 101. **Credits:** 3

PSC 352 - International Security

Students in this class will explore contemporary issues in international security including deterrence, arms control, and resource scarcity. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 353 - International Political Economy

Politics of the global economy, relations among nation-states, and dominant theories of international political economy including liberalism, realism, and historical structuralism. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 354 - International Environmental Politics

This course examines the politics of international governance and cooperation from the perspective of the global environment. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 357 - Political Violence

This course will introduce students to the study of political violence (terrorism, insurgency, revolutions, and state repression). **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 358 - United States Foreign Policy

Policies governing America's foreign relations; personnel and agencies responsible for policy implementation; role of the United States in world affairs since World War II. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 359 - International Law

Rules and practices regulating such matters as state territory and jurisdiction; treaties, nationality, and treatment of aliens; diplomatic and consular relations; warfare. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 361 - On War

This course examines the causes and conduct of interstate war. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 362 - International Organizations

Global and regional organizations promoting settlement of disputes, collective security, economic development, human rights, and self-government. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 370 - Politics of Ethnic Conflict

This class examines the political causes of ethnic conflicts across the globe. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 375 - European Politics

Comparison of the political systems in European nations. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 376 - African Politics

Analysis of government and politics on the African continent, focusing on issues related to democratization, ethnicity, class, gender, and conflict. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 377 - Middle East Politics

This course will introduce students to the study of politics in the Middle East. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 378 - Asian Politics

Selected political systems of East Asia; factors involved in political change and modernization. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 379 - Latin American Politics

Institutions, groups, parties, and processes; problems of political development, modernization, and change. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 380 - Politics of Developing Areas

Comparative analysis of developmental processes pursued through political, military, economic, and administrative structures of Third World nations; case studies. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3

PSC 406 - Teaching Civics and Economics

Methods, content and assessment for the North Carolina secondary core requirements in Civics and Economics. **Prerequisites:** Permission of department head. **Corequisites:** HIST 395. **Credits:** 1

PSC 451 - Model United Nations

Model United Nations is a simulation designed to introduce students to the history, structure, operations, and functions of the United Nations. **Prerequisites:** INST 200 or PSC 169. **Credits:** 3, R6

PSC 452 - Model United Nations II

Model United Nations II is a simulation where students participate in the Southeastern Model United Nations Conference and the Model United Nations Experience at WCU. **Prerequisites:** PSC 169 and PSC 451. **Credits:** 3

PSC 455 - Civic Engagement

Participate in a service-learning experience and analyze its relationship to public policy.

Prerequisites: Political Science major.

Credits: 3

PSC 480 - Readings in Political Science

Readings in Political Science. **Prerequisites:**

Permission of department head. **Credits:** 3, R6

PSC 483 - Internship in Political Science

Work experience in a government or community agency applying academic studies to practice. S/U grading. Nine hours per week per course. **Prerequisites:**

Permission of department head. **Credits:** 3

PSC 484 - Internship in Political Science

Work experience in a government or community agency applying academic studies to practice. S/U grading. Nine hours per week per course. **Prerequisites:**

Permission of department head. **Credits:** 3

PSC 490 - Advanced Writing in Political Science

Using a course paper, work with a faculty member to prepare the paper for presentation or publication submission.

Prerequisites: Political Science major.

Credits: 1

PSC 493 - Special Topics in World Politics

This course provides students with an opportunity to explore special topics in world politics that are not regularly offered at WCU. **Credits:** 3, R6

PSC 494 - Special Topics in American Politics

This course provides students with an opportunity to explore special topics in American politics that are not regularly offered at WCU. An attached syllabus provides one example of what might be covered in this course. **Prerequisites:** PSC 101. **Credits:** 3, R6

PSC 499 - Senior Capstone

This is the culminating experience in the Political Science major. Students will apply their skills to a coherent, professional applied research project and will explore strategies to prepare for professional life after college. **Prerequisites:** PSC 101, PSC 169, and Senior Standing. **Credits:** 3

Psychology**PSY 150 - General Psychology**

Introduction to psychology, the scientific study of behavior and mental processes. Includes topics in social, abnormal, health, clinical, developmental, biological, and experimental psychology (Liberal Studies 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 250 - Careers and Issues in Psychology

Exploration of careers and current issues in psychology and related fields. Special emphasis on tools and skills to be successful in the major and beyond. **Prerequisites:** PSY 150 and Psychology major or minor. **Credits:** 3

PSY 270 - Evolutionary Psychology

How natural selection has shaped human patterns of thinking, feeling, and behaving: mate selection and strategies; parenting; formation of alliances; altruism; aggression and warfare. **Prerequisites:** PSY 150. **Credits:** 3

PSY 271 - Research Design and Data Analysis I

Introduction to non-experimental research and statistics analysis; observational, survey, and correlational research methods; descriptive and inferential statistical analysis. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 272 - Research Design and Data Analysis II

Continuation of PSY 271; introduction to single-factor and factorial experimental and quasiexperimental research designs; inferential statistical analysis through 2-way ANOVA. **Prerequisites:** PSY 271 or permission of instructor. **Credits:** 3

PSY 274 - Psychology of Humor

Students will learn the classic and contemporary theories developed to explain what makes something funny, and why humor is such an integral part of social interaction, along with cognitive, biological, developmental, clinical, and social psychological ap **Prerequisites:** PSY 150. **Credits:** 3

PSY 275 - Belief in "Weird" Things

Beliefs, including those about "weird" things, arise from the normal workings of the human mind. A rational, skeptical, and scientific approach is useful for evaluating truth claims, including those about "weird" things. **Prerequisites:** PSY 150. **Credits:** 3

PSY 280 - Research in Psychology I

Introductory-level supervised bibliographical or research activity. S/U grading. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 1-3, R3

PSY 305 - Psychology of Hate

This course covers the psychological, social, political, and historical causes of hate, prejudice, genocide, and violence against groups of people. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 308 - Psychology of Race and Racism

This class explores theoretical, empirical, and experiential literature concerning race and ethnicity as they relate to individual and group behavior. To engage various types of learning, a variety of formats, including readings, films, in-class activities **Prerequisites:** Junior or Senior Standing, or permission of instructor. **Credits:** 3

PSY 309 - Social Psychology

Social influences on individual behavior, feelings, and thoughts; social-psychological approaches to problems of attitudes, conformity, leadership, and other group phenomena. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 313 - Organizational and Industrial Psychology

Structure, methods, techniques, and application of psychological concepts to human problems of work in organizations. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 320 - Developmental Psychology I: Childhood

Theories and principles of development (cognitive, emotional, psychological) of individuals from diverse backgrounds from conception through adolescence (Liberal Studies P1). **Credits:** 3

PSY 322 - Developmental Psychology II: Adolescence

Theories and principles of development (cognitive, emotional, psychological, social, physiological) of individuals from diverse backgrounds from puberty to emerging adulthood. **Prerequisites:** PSY 150 and Psychology major or minor, or permission of instructor. **Credits:** 3

PSY 323 - Psychology Applied to Learning and Teaching

Exploration of the universal and developmental needs of 21st century learners and the assessment techniques teachers utilize in the development of responsive instruction. Field experience and subscription to TaskStream© required. **Prerequisites:** EDCI 201 and admission to Teacher Education. **Credits:** 3

PSY 325 - Developmental Psychology III: Adulthood

Theories and principles of development (cognitive, emotional, psychological, social, physiological) of individuals from diverse backgrounds throughout the adult lifespan. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 326 - Psychological Perspectives of Developmental Disabilities

This class is an overview of terms, concepts and ideas concerning developmental disabilities and the psychological sciences. Students will be introduced to community-based service programs and laws and guidelines that regulate those programs. Students will **Credits:** 3

PSY 331 - Human Sexuality

Psychological, biological, social, and legal aspects of sexuality. (Liberal Studies P1). **Prerequisites:** Completed 45 hours. **Credits:** 3

PSY 333 - Psychology of Sex Differences

Development of sex differences and similarities in cognition, personality, and social behaviors; the role of physiological, social, and cultural factors. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 340 - Sensation and Perception

Introduction to the physiological mechanisms underlying the sensation of external stimuli and the cognitive processes leading to an interpretation of sensory information (i.e., perception). 2 Lecture, 1 Lab. **Credits:** 3

PSY 363 - Behavioral Intervention

A survey of behavioral theory covering both nonmediational and mediational approaches. Applications of behavioral theory to a variety of difficulties including school and clinical settings. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 375 - Forensic Psychology

Introduction to the field of forensic psychology. Key topics include forensic evaluations, expert testimony, ethics, assessment of malingering, and competence to stand trial. **Prerequisites:** Junior or Senior Standing. **Credits:** 3

PSY 393 - Topics in Psychology

Topics in Psychology. **Credits:** 3, R12

PSY 421 - Educational Psychology

Application of psychological principles to teaching and learning including cognition, motivation, measurement, individual and cultural differences, exceptionalities, and behavior management. **Credits:** 3

PSY 430 - Personality

Assumptions, constructs, and theories of personality; related empirical findings. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 440 - Biological Psychology

Physiological, genetic, and evolutionary bases of behavior. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 441 - Health Psychology

Psychological foundations of health and illness; exploration of the impact of thoughts, emotions, and behavior on the development, treatment, and prevention of illness and the maintenance of health. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 444 - Cognitive Psychology

Theories and principles of human information processing: language production and comprehension, basic processes in memory and cognition. **Prerequisites:** PSY 272. **Credits:** 3

PSY 445 - Social Neuroscience

This class explores how the nervous system has adapted to the complex computational demands of social networks in humans, how the brain implements social behavior, and how social processes affect biological systems. Social cognitive neuroscience integrat **Prerequisites:** PSY 150. **Credits:** 3

PSY 446 - Learning

This course will review the theories, methods, and outcomes of behavioral research. Students will complete a research project in this course. **Prerequisites:** PSY 272. **Credits:** 3

PSY 448 - Human Neuropsychology

Survey of the basic theories of neuropsychology, emphasizing both cognitive and clinical research. The course will focus on the influence of the human brain on normal and abnormal behavior. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 450 - Psychopharmacology

Study of psychoactive drugs which impact on the nervous system. Assessment of the neurophysiology of drug actions and the psychology of drug effects using an empirical and behavioral approach. **Prerequisites:** PSY 150. **Credits:** 3

PSY 455 - History of Psychology

Systematic survey of psychology as a scientific endeavor from early approaches to contemporary schools and trends. **Prerequisites:** Junior or Senior Standing. **Credits:** 3

PSY 460 - Crisis Intervention

Theory and nature of crises; intervention strategies for dealing with a variety of crises such as physical assault, rape, suicide, and natural disaster. Enrollment restricted to Emergency Medical Care majors. **Credits:** 1

PSY 470 - Abnormal Psychology

Theories of psychopathology; etiology, dynamics, symptomatology, diagnosis, and treatment. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 474 - Child Psychopathology

Etiology, characteristics, assessment, and treatment of psychological problems of childhood and adolescence; learning, behavioral, affective, and psychotic

disorders. **Prerequisites:** PSY 150 or permission of instructor. **Credits:** 3

PSY 475 - Introduction to Clinical and Counseling Psychology

Applications of psychology to bachelor-level psychology jobs. Communication and listening skills, crisis management, milieu therapy. Professional roles and boundaries, ethics and legal issues, documentation.

Prerequisites: PSY 150 and Junior or Senior Standing. **Credits:** 3

PSY 480 - Research in Psychology

Supervised research experiences for advanced students. S/U grading.

Prerequisites: PSY 150, PSY 271, and PSY 272; or 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. Course includes a requirement of 10 hours of field placement within an agency and an in-class component. **Prerequisites:** 2.00 GPA and completed 21 hours in Psychology, or permission of instructor. **Credits:** 3

PSY 484 - Internship in Psychology

Application of theory, methods, and techniques in a cooperating agency under faculty supervision. Course includes a requirement of 10 hours of field placement within an agency and an in-class component. **Prerequisites:** 2.00 GPA and completed 21 hours in Psychology, or permission of instructor. **Credits:** 3

PSY 485 - Internship in Psychology

Application of theory, methods, and techniques in a cooperating agency under faculty supervision. Course includes a requirement of 10 hours of field placement within an agency and an in-class component. **Prerequisites:** 2.00 GPA and completed 21 hours in Psychology, or permission of instructor. **Credits:** 3

PSY 486 - Internship in Psychology

Application of theory, methods, and techniques in a cooperating agency under faculty supervision. Course includes a requirement of 10 hours of field placement within an agency and an in-class component. **Prerequisites:** 2.00 GPA and completed 21 hours in Psychology, or permission of instructor. **Credits:** 3

PSY 495 - Senior Seminar in Psychology

Overview of the history and current state of psychology. Discussions of important facts, issues, concepts, and theoretical perspectives in psychology. **Prerequisites:** PSY 250 and PSY 272, or permission of instructor. **Credits:** 3

Quantitative Analysis

QA 235 - Business Statistics

An introduction to managerial decision-making based on data summaries, basic data analysis evaluation, and interpretation. **Credits:** 3

QA 270 - Visual Data Storytelling

Learn to use the concepts of data visualization to create effective visualizations, dashboards, and stories with computer software. **Credits:** 3

QA 305 - Introduction to Management Science

An applied approach to decision making using both qualitative and quantitative data. Basic analytical tools and methods are introduced. **Prerequisites:** MATH 170 or QA 235. **Credits:** 3

QA 360 - Business Intelligence

Provides an approach to retrieve, organize, and visualize data in a way that helps decision makers make better decisions.

Prerequisites: MATH 170, or MATH 270, or QA 235. **Credits:** 3

Robotics and Automation Engineering

RAE 301 - Mechatronics

An introduction to mechatronics with an emphasis on industrial applications. Topics will include sensors, actuators, wiring, controllers, programming, applications, and safety. The course will emphasize application of standards for controlling industrial **Prerequisites:** EE 200.

Corequisites: EE 201, or ECET 231, or ECET 301, or ENGR 315. **Credits:** 3

RAE 401 - Robotic Systems I: Design and Application

The use of robots and robotic systems in industrial applications will be evaluated and applied. Topics will include robot types, applications, tooling, programming, safety, and integration to industrial control systems. 2 Lecture, 2 Lab. **Prerequisites:** RAE 301. **Credits:** 3

RAE 402 - Robotic Systems II: Integrated Systems

This course will cover advanced topics for robotic applications such as vision systems, machine learning, advanced sensing, advanced motion control, databases, and enterprise-level systems. 2 Lecture, 2 Lab.

Prerequisites: RAE 401. **Credits:** 3

Recreational Therapy

RTH 102 - Adaptive Fly Fishing

Applied education, and possible certification, in therapeutic adaptive fly fishing and fly tying as a recreational therapy modality. **Prerequisites:** Recreational Therapy major or permission of instructor. **Credits:** 1

RTH 190 - Disability as Diversity!

This course aims to introduce and explore the field of Recreational Therapy in multiple populations and to understand the concepts of inclusion. **Credits:** 3

RTH 200 - Foundations of Recreational Therapy

An investigation into the prescribed use of recreational activity as a clinical treatment modality for persons whose functional abilities are impaired. **Prerequisites:** Sophomore Standing. **Credits:** 3

RTH 210 - Investigation of Recreational Therapy Practice, Facilitation and Populations

Investigates the facilities/agencies/populations served by recreational therapy. Didactic learning and travel required. **Prerequisites:** RTH 200 and Recreational Therapy major. **Credits:** 3

RTH 252 - Client Assessment in Recreational Therapy

Study of the role of reliable assessment in the recreational therapy treatment planning process. Focus on assessment, developing treatment goals, evaluating outcomes, and documentation.

Prerequisites: RTH 200 and Recreational Therapy major. **Credits:** 3

RTH 300 - Health and Healing - The Spirit-Mind-Body Connection

A comparative overview of healthcare practices drawn from wellness paradigms of selected traditional and non-traditional belief systems (Liberal Studies P1). **Credits:** 3

RTH 301 - Modality Skill: Leisure Education

Builds facilitation techniques and skills in leisure education for recreational therapy.

Prerequisites: RTH 252 and RTH 352.

Credits: 1

RTH 302 - Modality Skill: Horticulture

Build facilitation techniques and skills in horticulture for recreational therapy.

Prerequisites: RTH 252 and RTH 352.

Credits: 1

RTH 303 - Modality Skill: Community Integration

Build facilitation techniques and skills in community integration for recreational therapy.

Prerequisites: RTH 252 and RTH 352. **Credits:** 1

RTH 304 - Modality Skills: Adventure-Based Recreational Therapy

Build adventure-based therapy skills and facilitation techniques to use in recreational therapy practice. **Prerequisites:** RTH 252 and RTH 352. **Credits:** 1

RTH 305 - Modality Skills: Creative and Expressive Arts

Build creative and expressive arts therapy skills and facilitation techniques to use in recreational therapy practice and to better understand the roles of other creative and expressive arts therapists in treatment.

Prerequisites: RTH 252 and RTH 352.

Credits: 1

RTH 306 - Modality Skills: HeartMath

Learn and practice the Resilience Advantage Program of HeartMath with a Certified HeartMath Trainer in order to facilitate resilience training in recreational therapy practice.

Prerequisites: RTH 252 and RTH 352. **Credits:** 1

RTH 340 - Recreational Therapy for Intellectual and Developmental Disabilities

Understand and address the physical, psychological, and social needs of individuals with intellectual disabilities/development disabilities(ID/DD) through recreational therapy.

Prerequisites: RTH 252 and RTH 352.

Corequisites: RTH 341. **Credits:** 3

RTH 341 - Recreational Therapy for Intellectual Disabilities and Developmental Disabilities - Lab

Obtain skills addressing the physical, psychological, and social needs of the

intellectual disabilities/developmental disabilities through recreational therapy.

Prerequisites: RTH 252 and RTH 352.

Corequisites: RTH 340. **Credits:** 1

RTH 350 - Recreational Therapy and People with Physical Disabilities

Addressing physical and psychological needs of individuals with physical disabilities through recreational therapy service in clinical and community settings.

Prerequisites: RTH 252 and RTH 352.

Corequisites: RTH 353. **Credits:** 3

RTH 352 - Recreational Therapy Processes and Techniques

Assessment, planning, implementation, and evaluation strategies attendant to recreational therapy service delivery.

Prerequisites: RTH 200 and Recreational Therapy major, or permission of instructor.

Credits: 3

RTH 353 - Recreational Therapy for People with Physical Disabilities - Lab

Obtain experience with various populations with physical disabilities and illnesses.

Specific applications to assessment, planning, implementation and evaluation of recreational therapy services are explored through the development and execution of interv

Prerequisites: RTH 252 and RTH 352.

Corequisites: RTH 350. **Credits:** 1

RTH 360 - Recreational Therapy Services for Older Adults

Addressing the physical, psychological, and social needs of older adults through recreational therapy.

Prerequisites: RTH 252 and RTH 352.

Corequisites: RTH 361.

Credits: 3

RTH 361 - Recreational Therapy for Older Adults - Lab

Obtain skills addressing the physical, psychological, and social needs of older adults through recreational therapy.

Prerequisites: RTH 252 and RTH 352.

Corequisites: RTH 360. **Credits:** 1

RTH 370 - Methods in Recreational Therapy

Theoretical and practical examination of contemporary implementation procedures used in recreational therapy practice.

Prerequisites: RTH 352 and Recreational

Therapy major. **Credits:** 3

RTH 380 - Research & Evaluation in Recreational Therapy

Explore evidence-based research and evaluation in the field of Recreational Therapy as well as the tools used in creating research. **Prerequisites:** RTH 252 and RTH 352. **Credits:** 3

RTH 395 - Recreational Therapy Professional Preparation Seminar I

Preparation for professional entry into clinical practice. Includes investigation of personal practitioner characteristics and development of professional materials.

Prerequisites: RTH 252 and RTH 352.

Credits: 2

RTH 396 - Special Topics

Special Topics. **Credits:** 1-3

RTH 405 - Recreational Therapy in Behavioral Health

Addressing psychiatric, social and addiction disorders through recreational therapy interventions in behavioral health settings.

Prerequisites: RTH 252 and RTH 352.

Corequisites: RTH 406. **Credits:** 3

RTH 406 - Recreational Therapy in Behavioral Health - Lab

Explore psychiatric, social and addiction disorders through recreational therapy interventions in behavioral health settings. Specific applications to assessment, planning, implementation and evaluation of recreational therapy services are explored through

Prerequisites: RTH 252 and RTH 352.

Corequisites: RTH 405. **Credits:** 1

RTH 417 - Administration and Advancement of Recreation Therapy Services

Contemporary RT organizational principles, administrative issues, and professional issues for the advancement of recreational therapy. Includes history; professional behaviors; regulatory policies and legislation; ethics; organization and management.

Prerequisites: RTH 360, RTH 361, RTH 405, and RTH 406.

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: PRM 270, RTH 352, and

Recreational Therapy major. **Credits:** 3

RTH 481 - Independent Study

Independent Study. **Credits:** 1-3, R6

RTH 484 - Recreational Therapy Clinical Internship

Full-time learning experience designed to integrate theory with practice, observation, field work, and planning in an approved clinical setting related to student's area of interest. **Prerequisites:** RTH 395, RTH 417, and RTH 495. **Credits:** 12

RTH 485 - Recreational Therapy Clinical Internship

Experience designed to integrate theory with practice; observation, fieldwork, and planning in a setting related to student's area of interest. Three hours per credit hour. **Prerequisites:** RTH 252, RTH 350, RTH 352, RTH 360, RTH 370, RTH 395, RTH 405, RTH 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

RTH 495 - Recreational Therapy Professional Preparation Seminar II

Final preparation for recreational therapy internship through generating plans for professional credentialing and revision of professional portfolio materials.

Prerequisites: RTH 395. **Credits:** 2

RTH 496 - Research & Evaluation Presentation Seminar

Present recreational therapy research to appropriate audiences based on proposals from the Research & Evaluation course.

Prerequisites: RTH 380. **Credits:** 1

Science Education**SCI 150 - Introduction to Secondary Science Education**

Introduction to the role and importance of science literacy in modern society; basics of teaching and learning in the sciences.

Credits: 1

SCI 301 - Nature of Science

The theory and practice of inquiry science. Investigation into inquiry, the nature of science, and science literacies for pre-service secondary science teachers. **Credits:** 3

SCI 422 - Principles and Methods of Science Education

Philosophy and techniques of inquiry teaching applied to the science curriculum. Field experience required. **Prerequisites:** EDSE 483 and admission to Teacher Education. **Credits:** 3

SCI 491 - Supervised Student Teaching in the Sciences, 9-12

A full-time supervised teaching experience in the Sciences. **Corequisites:** EDSE 485 and EDSE 495. **Credits:** 3

SCI 493 - Topics in Science Education Topics in Science Education. Credits: 1-3 Social Justice**SJ 275 - Diversity & Inclusion**

This course introduces students to social justice, equity, diversity, and inclusion in our communities. Students gain awareness, understanding, knowledge, and skills to work with those of differing abilities, socio-economic status, gender, race and ethnic **Credits:** 3

SJ 475 - Social Justice Capstone

The Social Justice Capstone Course is designed to provide students minor in Social Justice the opportunity to make a practical, applied social justice impact to better the WCU, local, regional, state, or national community. This course is focused on pr **Prerequisites:** (PRM 275 or SJ 275) and SOC 392. **Credits:** 3

Sport Management**SM 260 - Introduction to Sport Management**

Career opportunities, competencies, and management skills; overview of management functions and ethics; history of sport management. **Credits:** 3

SM 283 - Apprenticeship

Apprenticeship to develop necessary skills before entering the required internship. 3 Lab. **Prerequisites:** Permission of department head. **Credits:** 1, R3

SM 293 - Topics in Sport Management

A course designed for special topics, areas of interest, or relevancy to the field and not covered in the program's curriculum. **Credits:** 1-3, R6

SM 314 - Sport Analytics

This course introduces students to basic data analysis techniques within the context of conducting market research. Students

Collect, Analyze, Manipulate, and Present (CAMP) data on sport consumers, seeing the market research process from end-to-end and I **Prerequisites:** MATH 170 or QA 235. **Credits:** 3

SM 340 - Sport Ethics

Examination of ethical principles to sport-specific issues within the context of managing sport services (Liberal Studies P4). **Credits:** 3

SM 350 - Global Sport and Culture

An interdisciplinary examination of sport as a global phenomenon. Historical, cultural, political, economic, and managerial perspectives are considered. Focus is given to international sport leagues and teams, the globalization of sport, global cultural I **Credits:** 3

SM 361 - Sport Marketing

Historical study of sport marketing; techniques in developing sport sponsorship proposals and effective sport promotions; sport marketing applications. **Prerequisites:** MKT 201 and Junior Standing. **Credits:** 3

SM 380 - Independent Study

A topic in sport management agreed upon by student and instructor. **Prerequisites:** ENGL 202 and permission of department head. **Credits:** 1-3, R3

SM 389 - Cooperative Education in Sport Management

Cooperative Education in Sport Management. See Cooperative Education Program. **Prerequisites:** Permission of instructor. **Credits:** 1 or 3, R15

SM 420 - Risk Management and Liability in Sport

Liability associated with sports and the sport industry, including risk management systems and legal strategies to minimize liability. **Credits:** 3

SM 435 - Sport Event and Facility Management

Study of current trends and the management and marketing of sporting events and sport facilities. Basic terminology and building designs of sport facilities are also discussed. **Prerequisites:** SM 260 and Junior Standing. **Credits:** 3

SM 445 - Sport Administration

Current issues in sport administration.

Credits: 3

SM 446 - Sport Media

This course examines the business of sports-related media, including but not limited to television, print, radio, and internet-based outlets across amateur and professional sport. Perspectives include content development, information dissemination, revenue **Prerequisites:** SM 260 and Junior Standing. **Credits:** 3

SM 460 - Financial Aspects of Sport

Financial considerations important to sport; budgeting, fundraising, and economic impact of sport events; historical aspects.

Prerequisites: FIN 305 and SM 260. **Credits:** 3

SM 484 - Internship in Sport Management

Experiences relating theory to practice in a specific area of sport management.

Prerequisites: SM 260, SM 283, SM 495, at least 90 in-progress credit hours, and permission of instructor. **Credits:** 3

SM 485 - Internship in Sport Management

Experiences relating theory to practice in a specific area of sport management.

Prerequisites: Permission of program coordinator or completion of all required coursework in the major. **Credits:** 3

SM 495 - Sport Management Strategy

Analysis of management, organizational structure, and strategic planning in sport organizations; current issues in sport management. **Prerequisites:** SM 283, Senior Standing, and permission of instructor.

Credits: 3

Sociology

SOC 103 - Human Society

Introduction to the discipline of sociology.

Analysis of the reciprocal relationship between social structure and human behavior. Particular attention is paid to the connection between public issues and private problems (Liberal Studies P1).

Credits: 3

SOC 160 - Chinese Culture and Society

Provides a broad introduction to Chinese culture and society by reviewing Chinese history and surveying the post-1978 Chinese society, including China's transition to a market-oriented society and the fundamental societal changes accompanying it (Liberal **Credits:** 3

SOC 195 - Sociology of Black America

This course provides a broad historical overview of Black America while weaving in various sociological understandings as to how race and racism have and continue to shape the economic and political landscape of our society. **Credits:** 3

SOC 235 - Social Problems

Problems of modern American society such as poverty, social conflict, corporate power and capitalism, alienation, and deviance (Liberal Studies P1). **Credits:** 3

SOC 240 - Social Change

Changes in human societies through cultural, economic, and political processes. Data is analyzed to consider trajectories of change into the future. The impact of technology is considered. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 245 - Social Inequality

This class will review theoretical frameworks for studying social inequality and the evidence for a range of social processes that generate and sustain inequalities. It also covers typical methods used for studying inequality and consider inequalities by **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 250 - Deviant Social Behavior

Causes and control of individual and group rebellion or retreat from prescribed social norms. **Credits:** 3

SOC 255 - Population and Society

Study of demographic processes, their causes, and their consequences, reviewing population trends across time and across cultures and discussing how these trends impact society, policy, and culture. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 316 - Media and Popular Culture

This course presents an overview and analysis of media and popular culture. Emphasis is placed on the relationship to economic, political, and cultural dynamics. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 326 - Sociology of Gender

The primary goal of the course is to familiarize students with key theoretical

approaches to the study of gender -- how gender is constructed at the individual, interactional, and institutional levels in society -- and its intersection with other social | **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 333 - Sociology of Mental Health and Illness

This course will introduce some of the conceptual frameworks and empirical research in the study of mental health and illness with an emphasis on social structural and cultural factors that influence individual experiences of and social responses to mental illness. **Credits:** 3

SOC 342 - The Individual in Society

This course examines the way groups and social structures shape individuals - their perceptions, beliefs, identities, attitudes, emotions, and behaviors - and how individuals acting together create, maintain, and change social structures: a sociological perspective. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 365 - Sociology of the Family

Study of the institution of family in terms of its nature, functioning, and social context, examining the family in historical perspective and in relation to social change. **Prerequisites:** SOC 103. **Credits:** 3

SOC 371 - Environmental Sociology

This course will familiarize students with sociological approaches to the study of the environment with attention to environmental justice issues in intersection with race, ethnicity, class, and gender. The course will also engage with issues of social change. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 373 - Globalization

This course will introduce students to how globalization processes such as neoliberalism, imperialism, and colonialism shape the social, political, and economic lives of people including in issues related to trade, immigration, environment, and global inequality. **Prerequisites:** SOC 103. **Credits:** 3

SOC 380 - Ethnographic Research Methods

Theory and method; techniques of observation, description, interviewing, note taking, and analyzing data; planning and completing a field study. This course is

cross-listed with ANTH 380. **Prerequisites:**
SOC 103. **Credits:** 3

SOC 385 - Methods of Social Research

The logic of scientific inquiry; techniques of research used in sociology, including sample surveys. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 386 - Analysis of Social Data

Methods for presentation and analysis of social scientific data; descriptive and inferential techniques; measures of association. **Prerequisites:** SOC 385. **Credits:** 3

SOC 391 - Sociological Theory

The development of sociological theory; issues in classical and contemporary social thought. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 392 - Theories of Social Justice

The Theories of Social Justice course will encourage students to critically examine how structures of power such as capitalism, imperialism, colonialism, white supremacy, and hetero-patriarchy sustain various forms of injustices that shape the experiences **Credits:** 3

SOC 410 - Sociology of Aging

Study of aging within social contexts, examining how age (as a social construct) and aging (as a social process) affect human behavior and populations. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 414 - Race and Ethnicity

Explores the development and spread of our current ideas about race and ethnicity through the experiences of different racial groups (Liberal Studies P1). **Credits:** 3

SOC 417 - Immigration

Explores the history of immigration to the United States, patterns of contemporary immigration, and theories of human migration. **Prerequisites:** SOC 103. **Credits:** 3

SOC 423 - Sociology of Sport

Social issues in sport examined from historical, cross-cultural, and sociological perspectives with attention to impact of race, gender, and social class on participation. **Prerequisites:** SOC 103. **Credits:** 3

SOC 448 - Social Movements

Explores theories of social movements that promote or resist social change including conditions that give rise to and sustain social protest. Reform and radical movements are examined: political, economic, and cultural emphases. Historical and contempora **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 450 - Sociology of Work

This course provides an overview of the major topics in the sociology of work, including the organization of work and inequality related to work. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 456 - Medical Sociology

An overview of the major topics in medical sociology, including health and illness behavior, the social demography of health and health organizations. **Credits:** 3

SOC 460 - Professional Issues

Exploration of career and graduate education opportunities in Sociology by presenting the field as a profession to be practiced in the real world. **Prerequisites:** SOC 103 and Junior or Senior Standing, or permission of instructor. **Credits:** 1

SOC 480 - Independent Study in Sociology

Independent Study in Sociology. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 1-3, R6

SOC 483 - Internship in Sociology

Application of theory and knowledge to work experience in a cooperating agency. S/U grading. Nine hours per week per course. Three hours credit applicable to Sociology major or minor. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 484 - Internship in Sociology

Application of theory and knowledge to work experience in a cooperating agency. S/U grading. Nine hours per week per course. Three hours credit applicable to Sociology major or minor. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 485 - Internship in Sociology

Application of theory and knowledge to work experience in a cooperating agency.

S/U grading. Nine hours per week per course. Three hours credit applicable to Sociology major or minor. **Prerequisites:** SOC 103 or permission of instructor. **Credits:** 3

SOC 494 - Topics in Sociology

Topics in Sociology. **Prerequisites:** 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 (Liberal Studies P1). **Credits:** 3

SOCW 253 - Practice I: Interviewing and Ethics

First course in a sequence of three courses using the generalist approach with a concentration on basic engagement, assessment (interviewing) skills, and social work ethics. **Prerequisites:** A grade of C or better in SOCW 151, and Pre-Social Work or Social Work major. **Credits:** 3

SOCW 304 - School Social Work

Practice in the school system: its content, history, and legal framework; special needs children; designs, delivery, and evaluation of services. **Prerequisites:** SOCW 151 or permission of instructor. **Credits:** 3

SOCW 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:** SOCW 151 or permission of instructor. **Credits:** 3

SOCW 334 - Human Behavior and the Social Environment: Life Stages

Examination of human development across the life span; Focus on reciprocal relationships between and among individuals, families, groups, communities, societies, and social systems. **Prerequisites:** Pre-Social Work major or Social Work major. **Credits:** 3

SOCW 335 - Social Work Research & Evaluation I

This course provides a foundation for research methods and evidence-based practices used in social work settings. Students will learn to be critical consumers of research and will be introduced to principles of logic, scientific inquiry, and culturally in **Prerequisites:** A grade of C or better in SOCW 151, and Pre-Social Work or Social Work major. **Credits:** 3

SOCW 354 - Human Behavior and the Social Environment: Person-In-Environment

Examination of interrelationships among social, cultural, and environmental factors that combine with biological and psychological components to affect human behavior and development (Liberal Studies P1). **Prerequisites:** Sophomore Standing or higher. **Credits:** 3

SOCW 360 - Social Work Practice II: Case Management

This course is designed to teach students intermediate social work skills with a focus on client system assessment, goal setting, case planning, and case management. The course builds and expands upon the interviewing skills acquired in SOCW 253 and prepa **Prerequisites:** SOCW 253, SOCW 354, and Social Work major. **Credits:** 3

SOCW 362 - Practice III: Interventions

Application of knowledge, values, and skills to social work practice: individuals, families, and groups. **Prerequisites:** SOCW 253, SOCW 335, SOCW 354, SOCW 360, and admission to the Social Work program. **Credits:** 3

SOCW 364 - Community Practice

Application of knowledge, values, and skills to social work practice: organizations and communities; advocacy. **Prerequisites:** SOCW 253, SOCW 335, and admission to the Social Work program. **Credits:** 3

SOCW 396 - Field Preparation and Professional Development

The Field Preparation course will prepare senior BSW students for the field practicum. Topics covered will include an overview of the placements available with agencies in Western North Carolina and beyond, the process of applying for and obtaining field placements. **Prerequisites:** A grade of C or better in SOCW 360. **Credits:** 1

SOCW 402 - Diversity in Contemporary Society

Focus on diversity of culture, ethnicity, ability, sexual orientation, and gender; emphasis on the consequences of marginalizing members of oppressed groups (Liberal Studies P1). **Credits:** 3

SOCW 412 - Intimate Partner Violence

Examine the psychological and sociological aspects of partner battering and the accompanying intervention skills needed to assist families, including client-defined advocacy as a framework. Develop skills as culturally competent generalist practitioners. **Prerequisites:** SOCW 253. **Credits:** 3

SOCW 415 - Social Work and Mental Health

The mental health system, issues, history, common diagnoses, emphasis on the strengths perspective. **Prerequisites:** SOCW 151 or permission of instructor. **Credits:** 3

SOCW 420 - Addictions

Overview of complex issues related to addictions, including drug, alcohol, gambling, and eating addictions; examines addiction within the context of developmental life stages and culture. **Prerequisites:** SOCW 151 or permission of instructor. **Credits:** 3

SOCW 426 - Child Welfare

Child welfare services, public and private programs, children's rights, and issues affecting services for children and families. **Prerequisites:** SOCW 151 or permission of instructor. **Credits:** 3

SOCW 427 - Trauma Informed Social Work with Children

This course will introduce students to the core concepts (general theory and foundational knowledge), informing evidence-based assessment and intervention for traumatized children and adolescents who are in the child welfare system. Trauma is broadly defined. **Credits:** 3

SOCW 429 - Social Work with Older Adults
Concepts and skills for effective practice with the aging; needs and strengths of older people; community resources; professional approaches to intervention. **Credits:** 3

SOCW 430 - Social Work in the Health Field
Concepts and skills for intervention in hospitals, out-patient clinics, and other health settings, and on some policies affecting health care. **Credits:** 3

SOCW 435 - Social Work Research & Evaluation II

Qualitative and quantitative application and analysis of social work research. **Prerequisites:** SOCW 335. **Credits:** 3

SOCW 445 - International Social Work

Current trends and social issues, problems, and solutions in countries around the world. **Credits:** 3

SOCW 481 - Independent Study

Independent Study. **Prerequisites:** SOCW 253 and SOCW 335, or permission of department head. **Credits:** 1-3, R6

SOCW 486 - Field Practicum & Seminar

This course provides students with the opportunity to apply knowledge gained in classes in a social work agency. Students work with agency personnel to develop individualized Learning Contracts which outline the tasks, activities, and projects they will complete. **Prerequisites:** Permission of Director of Field Practicum. **Credits:** 15

SOCW 494 - Topics in Social Work

Topics in Social Work. **Credits:** 3, R12

Spanish

SPAN 101 - Beginning Spanish I

Students develop basic knowledge about the Spanish-speaking world and through that content acquire basic functional proficiency in Spanish (Liberal Studies P6). **Credits:** 3

SPAN 102 - Beginning Spanish 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 (Liberal Studies P6). **Prerequisites:** Some competency in Spanish or permission of instructor. **Credits:** 3

SPAN 123 - Spanish for Emergency Medical Care Professional

Students will develop basic language skills and communication strategies specifically designed to assist students pursuing careers in emergency medical care or nursing.

Credits: 1

SPAN 140 - Accelerated Beginning Spanish

This course combines the first two courses in the Spanish language sequence (SPAN 101 and SPAN 102) in a single-semester, intensive course. It is designed for beginners and serves as an introduction to the study of Spanish language and culture. Emphasis on **Prerequisites:** Placement test, or department override for those with no college Spanish credit and one year or less of high school Spanish. **Credits:** 6

SPAN 231 - Intermediate Spanish I

Continued development of listening, speaking, reading, and writing; continued study of the culture of the Hispanic world (Liberal Studies P6). **Prerequisites:** SPAN 102, or equivalent, or placement. **Credits:** 3

SPAN 232 - Intermediate Spanish II

Continued development of listening, speaking, reading, and writing; continued study of the culture of the Hispanic world (Liberal Studies P6). **Prerequisites:** SPAN 231, or equivalent, or placement. **Credits:** 3

SPAN 240 - Accelerated Intermediate Spanish

Combines SPAN 231 and SPAN 232 in one semester. Continued development of listening, speaking, reading, and writing; continued study of the culture of the Hispanic world. Extended class period allows for enhanced proficiency (Liberal Studies P6). **Prerequisites:** SPAN 102 or equivalent score on placement test (SP00 130). **Credits:** 6

SPAN 301 - Spanish Conversation and Composition I

Students will discuss and write about challenging topics of interest in the Hispanic world in Spanish with increasing sophistication (Liberal Studies P6). **Prerequisites:** SPAN 232, or SPAN 240, or equivalent, or placement, or permission of department head. **Credits:** 3

SPAN 302 - Spanish Conversation and Composition II

Students will discuss and write about challenging topics of interest in the Hispanic world in Spanish with increasing

sophistication. **Prerequisites:** SPAN 232, or SPAN 240, or permission of department head. **Credits:** 3

SPAN 303 - Applied Spanish Conversation

Apprenticeship in the intensive language program. Does not count toward major, minor, or DFA in foreign languages. 10 Lab. **Prerequisites:** (SPAN 232 or SPAN 240), Sophomore Standing, and selection by faculty. **Credits:** 3, R6

SPAN 310 - Introduction to Hispanic Literature

Introduction to Hispanic literary texts; reading and analysis of literary works. **Prerequisites:** SPAN 232 or SPAN 240. **Credits:** 3

SPAN 321 - Hispanic Cultures I

This course will explore the cultures of the Spanish-speaking, including geography, history, gastronomy, art, music, politics, economics, and other related topics. **Prerequisites:** SPAN 232, or SPAN 240, or permission of department head. **Credits:** 3

SPAN 322 - Hispanic Cultures II

This course will explore the cultures of Spanish speaking world, including geography, history, gastronomy, art music, politics, economics, among other related topics. **Prerequisites:** SPAN 232 or SPAN 240. **Credits:** 3

SPAN 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:** Completion of, or concurrent enrollment in SPAN 301, or permission of department head. **Credits:** 3

SPAN 332 - North American & Caribbean Literature in Spanish

This course will explore works of literature and other arts from the Hispanic or Latino communities in North America and the Caribbean. **Prerequisites:** SPAN 301 or permission of department head. **Credits:** 3

SPAN 389 - Cooperative Education in Spanish

See Cooperative Education Program. **Prerequisites:** SPAN 301 and SPAN 302. **Credits:** 1 or 3, R15

SPAN 394 - Immersion Experience

This course will allow students to receive credit for study abroad courses that do not exactly match offerings that already exist in the Spanish program but that are approved by the student's advisor and the Department Head. **Prerequisites:** SPAN 101. **Credits:** 3-6, R12

SPAN 401 - Contrastive Features of Spanish and English

Study of similarities and differences of the two languages regarding phonology, morphology, and syntax and issues concerning second language acquisition. **Prerequisites:** SPAN 301 or SPAN 302. **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:** EDSE 483 and admission to the Professional Education Sequence. **Credits:** 3

SPAN 431 - Studies in Spanish Peninsular Literature

Study of an author or authors, a genre, literary movement, school, or literary period of Spain. **Prerequisites:** SPAN 232 or SPAN 240. **Credits:** 3, R6

SPAN 432 - North American and Caribbean Literature

This course will explore works of literature and other arts from the Hispanic or Latino communities in North America and the Caribbean. **Prerequisites:** SPAN 232 or SPAN 240. **Credits:** 3, R6

SPAN 434 - South American Hispanic Literature

An introduction to the Hispanic literature of South America. **Prerequisites:** SPAN 232, or SPAN 240, or permission of department head. **Credits:** 3

SPAN 451 - Advanced Spanish Grammar

In-depth study of the structures and usage of the Spanish language. **Prerequisites:** SPAN 301 or permission of department head. **Credits:** 3

SPAN 452 - Advanced Oral Communication

Discussion of selected topics; reports on assigned readings; situational dialogues in practical, everyday Spanish. **Prerequisites:** SPAN 232 or SPAN 240. **Credits:** 3

SPAN 461 - Spanish Phonology and Phonetics

An in-depth study of the production and perception of sounds in Spanish. **Prerequisites:** SPAN 232, or SPAN 240, or permission of department head. **Credits:** 3

SPAN 462 - Spanish Syntax and Morphology

This course will introduce students to the basics of Spanish syntax and morphology. It will cover the processes of word and sentence structure formation within the Generative framework of Linguistics. **Prerequisites:** SPAN 232, or SPAN 240, or permission of department head. **Credits:** 3

SPAN 463 - Spanish Sociolinguistics

This course provides an introduction to sociolinguistic concepts focusing on Spanish speakers both in the United States and other parts of the Spanish-speaking world. Students will examine some historical processes and demographic trends that have shaped **Prerequisites:** SPAN 232 or SPAN 240. **Credits:** 3

SPAN 471 - The Art of Translation

Students study translation theory, learn about translation tools, comprehend settings where translators and interpreters work, practice translation from Spanish to English, and vice versa. **Prerequisites:** WLL 311, or permission of department head. **Credits:** 3

SPAN 481 - Independent Studies in Spanish

Independent Studies in Spanish. **Prerequisites:** SPAN 301 and SPAN 302, or permission of department head. **Credits:** 1-3, R6

SPAN 491 - Student Teaching, 9-12

For this course, student teachers will teach in a North Carolina Public School for field experience and assessed on lesson plans. **Corequisites:** EDSE 490 and EDSE 495. **Credits:** 3

SPAN 493 - Special Topics in Spanish

Topics will vary. **Prerequisites:** SPAN 232, or SPAN 240, or permission of department head. **Credits:** 3, R9

Special Education**SPED 101 - College and Career Readiness**

This course will utilize hands-on, community-based, and multisensory instruction to develop skills in basic reading,

reading comprehension, social skills, personal finance, and daily living skills for first-year University Participant (UP) students enroll **Prerequisites:** Enrolled as a College Transition Program (CTP) student and permission of instructor. **Credits:** 3, R6

SPED 201 - Living and Learning in the Community

This course will utilize hands-on, community-based, and multisensory instruction to develop skills in independent, community participation, and daily living skills for second-year University Participant (UP) students enrolled in the WCU University Partici **Prerequisites:** SPED 101, enrolled as a College Transition Program (CTP) student, and permission of instructor. **Credits:** 3, R6

SPED 240 - The Exceptional Child

Areas and characteristics of exceptionalities; problems in learning and personal-social adjustment of exceptional children; educational alternatives. **Credits:** 3

SPED 241 - Exceptional Learners in the Adapted Curriculum

Definition of severe disabilities, issues people with severe disabilities face, and the issues relevant to the education of learners with severe disabilities. **Prerequisites:** SPED 240. **Credits:** 3

SPED 310 - Assessment for Instruction

Developing and using assessment programs and evaluation procedures. **Credits:** 3

SPED 311 - Positive Behavioral Supports for Students with Severe Disabilities

Positive behavioral supports, functional behavioral assessments and positive behavioral support plans for students with severe disabilities. **Prerequisites:** SPED 240 and SPED 241. **Credits:** 3

SPED 312 - Teaching Elementary Students in Inclusive Education

Methods and materials for evaluating and instructing children with mild to moderate learning problems. **Prerequisites:** SPED 240 and admission to the Teacher Education Program. **Credits:** 3

SPED 315 - Post-Secondary Education for Students with Intellectual Disabilities

This course provides information about principles and practices of providing post-

secondary education to students with intellectual disabilities on a college campus.

Prerequisites: Permission of instructor.

Credits: 3

SPED 338 - Program for the Education and Enrichment of Relational Skills (PEERS)

This course will utilize hands on, community based and multisensory activities to develop social and academic skills among University Participant (UP) students, using PEERS® for Young Adults by Elizabeth A. Laugeson and The CIRCLES Curriculum by James Sta **Credits:** 3

SPED 339 - Designing Classrooms as Responsive Learning Communities

Creating learning communities responsive to individual and cultural differences and exceptionalities. Field experience and subscription to TaskStream® required.

Prerequisites: EDCI 201 and admission to Teacher Education. **Credits:** 3

SPED 344 - Assistive Technology for Severe Disabilities

Use of assistive technology such as augmentative and alternative communication devices, and devices to support the health and medical needs of people with severe disabilities.

Prerequisites: SPED 240 and SPED 241. **Credits:** 3

SPED 400 - Creative Thinking and Problem-Solving

Exploration of creative thinking; emphasis on current research and present methodologies of problem-solving. **Credits:** 3

SPED 401 - Exceptional Learners in the General Curriculum

Inclusion of students with mild disabilities in the general curriculum; the Response to Intervention model. **Credits:** 3

SPED 407 - Social, Emotional, and Behavioral Supports in Inclusive Education

An introduction to behavioral disorders including characteristics, referral, assessment, and placement of individuals with behavioral disorders. **Prerequisites:** SPED 240 or permission of department head. **Credits:** 3

SPED 413 - Teaching Adolescents in Inclusive Education

Survey and evaluation of curricular models, diagnosis, developing instructional strategies, establishing goals and objectives. **Prerequisites:** SPED 312, Senior Standing, and admission to the Professional Education Sequence. **Credits:** 3

SPED 414 - Curriculum and Methods for Students in the Adapted Curriculum

Functional curriculum development and implementation of effective systematic instructional strategies with learners who have severe disabilities. **Prerequisites:** SPED 240 and SPED 241. **Credits:** 3

SPED 423 - Teaching Reading to Individuals with Mild to Moderate Disabilities

Methods and materials for teaching reading to individuals with mild to moderated disabilities. **Prerequisites:** SPED 240 and admission to Teacher Education. **Credits:** 3

SPED 430 - Classroom Leadership

Becoming a proactive educator and collaborating with other professionals, community, and families. **Prerequisites:** Admission to Teacher Education. **Credits:** 3

SPED 471 - Foundations of Gifted and Creative Education

Historical concepts of gifted education; definitions of giftedness, characteristics, and unique needs of gifted and creative students; screening and identification procedures. **Credits:** 3

SPED 475 - Methods and Models of Gifted and Creative Education

Examination and analysis of the methods and models of gifted and creative education. **Credits:** 3

SPED 477 - Curriculum Differentiation for Gifted and Creative Learners

Exploration of ways to adapt content, process, product, and the learning environment to provide appropriate learning experiences for gifted and creative students. **Credits:** 3

SPED 484 - Inclusive Education Internship I

Three to nine hours field experience. Three hours per credit hour. **Prerequisites:** Written application and permission of instructor and advisor. **Credits:** 1-3

SPED 490 - Inclusive Education Internship II

A full-time teaching experience.

Corequisites: SPED 495. **Credits:** 9

SPED 493 - Special Topics in Special Education

Special topics relevant to Special Education. **Credits:** 1-3, R6

SPED 495 - Inclusive Education Seminar

Working with parents, teachers, students, and others in a helping consultative relationship; skills for effective participation on interdisciplinary teams. **Prerequisites:** SPED 484. **Corequisites:** SPED 490. **Credits:** 3

SPED 497 - Seminar for Instructional Development

Techniques for planning and implementing lesson plan sequences and related assessments, meaningful professional development (PD), culturally relevant pedagogy, and research-based teaching methods. **Corequisites:** SPED 484. **Credits:** 3

Theatre Arts

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 (Liberal Studies P5). **Credits:** 3

THEA 106 - Applied Voice I

Applied voice study for Musical Theatre students with one half-hour private lesson per week. Each student will perform throughout the semester in Studio within a masterclass setting. This course may be repeated up to three times. **Prerequisites:** Admission into the Musical Theatre program or permission of instructor. **Credits:** 1, R3

THEA 110 - Stage and Film Crafts I

Fundamentals of scenery and lighting. **Prerequisites:** Admission to the Theatre BFA, Entertainment Design and Technology concentration; or permission of instructor. **Credits:** 3

THEA 111 - Stage and Film Crafts II

Fundamentals of properties, costumes, and paint. **Prerequisites:** THEA 110 or permission of instructor. **Credits:** 3

THEA 122 - Design Basics

Introduction to theatrical design in scenic, lighting, costume, sound, and properties.

Prerequisites: Admission to the Entertainment Design and Technology BFA or Stage and Screen BA. **Credits:** 3

THEA 123 - Presentation Media

This course focuses on design drawings and renderings for theatre and film.

Prerequisites: Admission to the Theatre BFA or permission of instructor. **Credits:** 3

THEA 124 - Stage and Film Makeup

Exploration of the materials and techniques used in the art of makeup for the stage and film.

Prerequisites: Admission to the Theatre BFA, or Stage and Screen BA, or permission of instructor. **Credits:** 3

THEA 130 - Makeup

Application of stage makeup. **Credits:** 1

THEA 145 - Foundations of Stage and Screen

Comprehensive first year experience for all admitted Stage and Screen students, covering basic production, theory, and history of the storytelling arts.

Prerequisites: Admission to one of the BFA or BA programs in the School of Stage and Screen. **Credits:** 3

THEA 148 - Musicianship for Musical Theatre I

Musicianship for Musical Theatre combines music theory, ear training, and piano skills to help the musical theatre student gain independence as a music learner.

Prerequisites: Admission to the Musical Theatre BFA or permission of instructor. **Credits:** 3

THEA 149 - Musicianship for Musical Theatre II

Musicianship for Musical Theatre II builds off of concepts learned in Musicianship for Musical Theatre I, combining advanced music theory, ear training, and piano skills to help the musical theatre student gain independence as a music learner.

Prerequisites: THEA 148. **Credits:** 3

THEA 180 - Acting I

Introduction to the basic principles of acting. **Prerequisites:** Admission to one of the BFA or BA programs in the School of Stage and Screen, or permission of instructor. **Credits:** 3

THEA 185 - Acting for the Camera I

The art of acting as it relates to the television/film environment. **Prerequisites:** THEA 180 or permission of instructor. **Credits:** 3

THEA 206 - Applied Voice II

Applied voice study for Musical Theatre students with one half-hour private lesson per week. Each student will perform throughout the semester in Studio within a masterclass setting. This course is repeatable for up to 3 times. **Prerequisites:** THEA 106 or permission of instructor. **Credits:** 1, R3

THEA 208 - Song Study

A performance class geared toward developing the musical theatre student's individual repertoire. **Prerequisites:** THEA 149 or permission of instructor. **Credits:** 1

THEA 209 - Musical Theatre Ensembles

Study, rehearsal, and performance of musical theatre ensemble numbers, ranging from trios to full-class numbers.

Prerequisites: THEA 149 or permission of instructor. **Credits:** 1

THEA 220 - Stage Movement

Basic stage movement techniques using physicality to create realistic and effective characterizations. Includes Stage Combat. **Credits:** 3

THEA 230 - Playwriting

The study of the art and craft of playwriting in short and long form. **Prerequisites:** Permission of instructor. **Credits:** 3

THEA 235 - Stage Management

Introduction to stage management. An analysis of organizational communication and the structure of the productions team. Including exploring the unique relationship with the Director. **Credits:** 3

THEA 236 - Scenic Painting

Techniques for painting scenic elements of production. **Prerequisites:** Permission of instructor. **Credits:** 3

THEA 237 - Costume Crafts and Makeup

Introduction to costume crafts, construction, wardrobe, and makeup for Theatre, Motion Picture, and TV. **Credits:** 3

THEA 238 - Entertainment Drafting

Computer-aided drafting for scenic, lighting, costume, and properties design.

Prerequisites: THEA 122 or permission of instructor. **Credits:** 3

THEA 239 - Sound Technology

This course explores the subject of audio technology via physical and perceptual aspects of sound. **Prerequisites:** THEA 122 and THEA 145, or permission of instructor. **Credits:** 3

THEA 240 - Voice and Articulation

Breath and sound production, vocal range, projection, and vowel and consonant production for standard American speech and character voices. **Credits:** 3

THEA 260 - Dialects

The study of dialects and accents for the actor. **Prerequisites:** THEA 240. **Credits:** 1

THEA 270 - Theatre Arts Workshops I

Practical experience in productions.

Prerequisites: Admission to one of the BFA or BA Theatre Programs in the School of Stage and Screen, or permission of instructor. **Credits:** 1, R12

THEA 280 - Acting for the Camera II

Acting for the Camera II builds off of principles learned in Acting for the Camera I. **Prerequisites:** THEA 185. **Credits:** 3

THEA 285 - Acting II

Introduction to character analysis and styles. **Prerequisites:** THEA 180. **Credits:** 3

THEA 300 - Improv

An advanced level acting course focusing on ensemble and solo work without a script. **Prerequisites:** THEA 180. **Credits:** 3

THEA 303 - Script Analysis

Contemporary techniques for analyzing plays for the purpose of production and scholarly pursuits. **Prerequisites:** THEA 145 or permission of instructor. **Credits:** 3

THEA 305 - Properties Design

An introduction to the professional theatrical and cinemagraphic properties design. **Prerequisites:** THEA 122. **Credits:** 3

THEA 306 - Applied Voice III

Applied voice study for Musical Theatre students with one half-hour private lesson per week. Each student will perform

throughout the semester in Studio within a masterclass setting. This course is repeatable for up to 3 times. **Prerequisites:** THEA 206 or permission of instructor. **Credits:** 1, R3

THEA 308 - Lighting Design

An introduction to the technical skills needed in setting up and running lighting equipment for Theatre and Film. **Prerequisites:** THEA 122. **Credits:** 3

THEA 311 - Costume Design

The aesthetic, historical, and practical design of costumes and accessories for stage and screen. **Prerequisites:** THEA 122 or permission of instructor. **Credits:** 3

THEA 312 - Scenic Design

Computer-aided and hand-drafted scenic design for Stage and Screen. **Prerequisites:** THEA 122 or permission of instructor. **Credits:** 3

THEA 320 - Stage Movement II

Advanced studio class for stage movement, emphasis on stage combat, including safety and methods with a focus on rapier and dagger skills. **Prerequisites:** THEA 220 and permission of instructor. **Credits:** 3, R2

THEA 322 - Period Styles

An overview of the history of art, architecture, interior design, and costume history from Ancient Egypt to modern day with a lens for theatrical designers. **Prerequisites:** THEA 311 and THEA 337, or permission of instructor. **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. **Credits:** 3

THEA 335 - Lighting Technology

Advanced theory and practices in technology associated with theatre lighting, emphasis on preparation for supervision of lighting crew. **Credits:** 3

THEA 337 - Costume Technology

Advanced theory and practice associated with costume construction, emphasis on preparation for supervision of a basic costume shop. **Prerequisites:** THEA 237. **Credits:** 3

THEA 341 - Acting III

Advanced scene work for theatre majors.

Credits: 3

THEA 350 - Directing I

Survey and practical application of the basic theories of play directing. **Credits:** 3

THEA 351 - Directing II

Directing colloquium: Production problems and solutions. **Prerequisites:** THEA 350.

Credits: 3

THEA 371 - Theatre Arts Workshops II

Advanced level practical experiential experience in productions, with leadership roles in performance, design and/or technology. **Prerequisites:** Four credits of THEA 270, or permission of instructor.

Credits: 1, R4

THEA 385 - Acting for the Camera III

Focusing on advanced in-class collaborative performance, theories for on camera acting, and skills developed in Acting for the Camera I and II. **Prerequisites:** Admission to the Acting for Stage and Screen BFA, THEA 185, and THEA 280; or permission of instructor. **Credits:** 3

THEA 386 - Auditions

An advanced-level class to develop self-awareness as actors, singers, and dancers in an audition setting. **Prerequisites:** THEA 180 and THEA 185, or permission of instructor.

Credits: 3

THEA 400 - History of Theatre

Origins, development of theatrical forms, and style through the study of acting, physical facilities, design, and cultural milieu from selected eras of history; Greek period to contemporary. **Prerequisites:**

Permission of instructor. **Credits:** 3

THEA 406 - Applied Voice IV

Applied voice study for Musical Theatre students with one half-hour private lesson per week. Each student will perform throughout the semester in Studio within a masterclass setting. This course is repeatable for up to 3 times. **Prerequisites:** THEA 306 or permission of instructor.

Credits: 1, R3

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: Permission of instructor.

Credits: 3

THEA 440 - Voice and Articulation II

An advanced-level course in vocal production for the actor, encompassing techniques for both contemporary and classical production and articulation, including dialect use. **Prerequisites:** THEA 240 or permission of instructor. **Credits:** 3

THEA 442 - Design II

Advanced theoretical and practical approach to scenery, costume, and lighting design for stage and screen; Project-oriented; emphasis on portfolio preparation. **Prerequisites:** THEA 432 or permission of instructor. **Credits:** 3

THEA 478 - Acting for the Camera IV

Focusing on in-class collaborative performance with film and television production students and preparation for the industry **Prerequisites:** Admission to the Acting for Stage and Screen BFA and THEA 385; or permission of instructor. **Credits:** 3

THEA 483 - Internship in Theatre Arts

Work experience in the theatre industry. S/U grading. Nine hours per week per three-hour course. **Prerequisites:**

Completed 60 hours and/or permission of department head. **Credits:** 3, R9

THEA 485 - Acting IV

In-depth character analysis and application, focusing on Shakespeare's text, monologues, and scene work.

Prerequisites: THEA 341 or permission of instructor. **Credits:** 3

THEA 486 - Theatre Production

Intensive training in performance, design, or theatre technology. **Prerequisites:** Permission of department head. **Credits:** 3, R12

THEA 493 - Selected Topics in Theatre Studies

Study in a special area of interest in theatre. **Credits:** 1-3, R9

THEA 495 - BA Senior Project

Capstone course for the BA in Stage and Screen. Course is intended to synthesize and demonstrate acquired knowledge and skills related to the associated industry.

Credits: 3

THEA 496 - Seminar in Professional Development

Seminar in career preparation for the emerging professional. **Prerequisites:** Senior Standing. **Credits:** 1

THEA 497 - Design/Tech Capstone

Synthesis and professional presentation of new and innovative student-driven work in Entertainment Design and Technology.

Prerequisites: Permission of instructor.
Credits: 3

THEA 499 - BFA Thesis/Senior Showcase

BFA Thesis/Senior Showcase. **Credits:** 2

University Studies, Interdisciplinary

UE 101 - University Experience

Introduction to an online learning environment. Emphasis on student services, skills for success and community building.

Credits: 0

USI 101 - Honors Forum

Introduction to resources at WCU, the Brinson Honors College community, and the Honors Path, with an emphasis on service. Students create a plan for academic, career, and personal success. **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 150 - Career and Major Exploration

Theory and practice of career, major and self-exploration. **Credits:** 1

USI 180 - The Research Scholar

Provide students the opportunity to work on a research team, conduct research and be mentored to present their research findings in a professional setting.

Prerequisites: Permission of instructor.
Credits: 1

USI 190 - Research and Critical Inquiry

USI 190 is a three-hour credit first-year seminar (FYS) course for WCU first-year students. The cap for the course is 20. To make advancements, from cutting edge

technology to medical breakthroughs to world economies, quality research is critical...and v **Credits:** 3

USI 202 - Introduction to Peer Tutoring

Theory, practice, and procedures for beginning peer tutoring. Topics include tutoring guidelines and responsibilities, communication skills, learning theory, critical thinking, study skills, and professional ethics. **Prerequisites:** Permission of WaLC Director or Associate Director. **Credits:** 1

USI 302 - Intermediate Peer Tutoring and Mentoring

Theory, practice, and procedures in advanced peer tutoring; includes cultural awareness/intercultural communication, assessing study behaviors, tutoring in specific skill areas, and mentoring new tutors. **Prerequisites:** USI 202 and permission of WaLC Director or Associate Director. **Credits:** 1

USI 380 - Undergraduate Research in the Discipline

Provides students the opportunity to conduct undergraduate research and be mentored by a WCU faculty member.

Prerequisites: Permission of instructor.
Credits: 3

USI 402 - Leadership in Peer Tutoring

Leadership development for advanced tutors. Topics include the role of learning centers in higher education, self-regulated learning, training and supervising others, and tutoring specific populations.

Prerequisites: USI 202, USI 302, and permission of WaLC Director or Associate Director. **Credits:** 1

World Languages and Literatures

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:** SPAN 301, or FREN 301, or GER 301; or permission of department head. **Credits:** 3

WLL 380 - Language Immersion Experience

Students will live in the World Language House for one academic year, speak only the target language, will register for WLL 380 in the spring. S/U grading.

Prerequisites: Permission of department head. **Credits:** 1

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 to 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 public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the North Carolina General Assembly redefined The University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus university operated with one board of trustees and one president. By 1969, three additional campuses had joined the university through legislative action: the University of North Carolina at Charlotte, The University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the North Carolina General Assembly passed legislation bringing into the University of North Carolina the state's 10 remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This action created the current sixteen-campus university. In 1985, the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of the university; and in 1996, Pembroke State University was renamed The University of North Carolina at Pembroke through legislative action.

The UNC Board of Governors is the policy-making body legally charged with the general determination, control, supervision, management, and governance of all affairs of the constituent institutions. It elects the president, who administers the university. The thirty-two voting members of the Board of Governors are elected by the North Carolina General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members *emeriti*. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.

Each of the sixteen constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves *ex officio*. The North Carolina School of the Arts has two additional *ex officio* members. Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

Board of Governors

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Officers of the University of North Carolina

Peter Hans	<i>President</i>
Norma Houston	<i>Chief of Staff</i>
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Andrew Tripp	<i>Senior Vice President for Legal Affairs & General Counsel</i>
Bart Goodson	<i>Senior Vice President for Government Relations</i>

Western Carolina University

Western Carolina University was founded in August 1889 as a semi-public school. Chartered as Cullowhee High School in 1891, it served the Cullowhee community and boarding students from neighboring counties and other states.

For Professor Robert Lee Madison, the institution's founder, the aim of the school was teacher training. In 1893, with the first state appropriation of \$1,500, a normal department was established. In 1905, the institution became Cullowhee Normal and Industrial School, a title it held for twenty years.

Beginning about 1912, the status of the school was gradually raised to that of a two-year normal school or junior college. With state support increasing and work at the secondary level discontinued, the name of the school was changed in 1925 to Cullowhee State Normal School.

In 1929, under a new charter authorizing the school to extend its work to the four-year level, the name Western Carolina Teachers College was adopted. Modifications in function and rapid growth climaxed in 1951 with the addition of the postgraduate year to the curriculum, and the granting of the Master of Arts in Education degree was

authorized. Demands in the liberal arts, and for programs in other areas of learning, led to an expansion of its offerings and to a further change, in 1953, to the name Western Carolina College.

In 1967, the institution was designated a regional university by the North Carolina General Assembly and the name of the institution was changed to Western Carolina University.

In 1971, the state legislature reorganized higher education in North Carolina, and on July 1, 1972, Western Carolina University became a constituent institution of The University of North Carolina.

In 1996, Western Carolina University was approved by the University of North Carolina-General Administration and the Southern Association of Colleges and Schools to offer the Doctoral degree in education.

Board of Trustees

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Kathryn Greeley, Vice Chair

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Administrative Officers

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Kelli R. Brown, PhD *Chancellor*

Melissa Canady Wargo, PhD *Chief of Staff*

Chancellor's Executive Council

Richard Starnes, PhD *Provost and Vice Chancellor for Academic Affairs*

Shea Browning, JD *General Counsel*

Michael T. Byers, MBA. *Vice Chancellor for Administration and Finance*

Jamie T. Raynor, MAEd *Vice Chancellor for Advancement*

H. Samuel Miller, Jr., PhD *Vice Chancellor for Student Affairs*

Alex Gary, MBA *Director of Athletics*

Craig A. Fowler, MBA. *Chief Information Officer*

Lisa Gaetano, BS *Chief Audit Officer*

Faculty Listing

Daniel Abankwa; Assistant Professor; Political Science & Public Affairs; PHD, University of Delaware, 2023; MA, University of Delaware, 2019; BA, Foreign Institution, 2016; *Year of Appointment:* 2023.

Susan Marie Abram; Associate Instructor; History; PHD, Auburn University, 2009; MA, Western Carolina University, 2002; BS, Western Carolina University, 2000; AS, Univ Indianapolis, 1973; *Year of Appointment:* 2018.

Andrew D. Adams; Director Sch of Music/Prof; Office, Dean, Fine & Performing Art; DMA, Univ of Colorado at Boulder*, 2005; MM, Univ Illinois Urbana-Champaign, 1990; BM, Univ Missouri Kansas City, 1988; *Year of Appointment:* 2006.

Erin Elizabeth Adams; Assoc Prof/Program Dir Interior Design; School of Art & Design; MS, Colorado State Univ Ft Collins, 2008; BS, Colorado State Univ Ft Collins, 2007; BA, Louisiana Tech University, 1996; *Year of Appointment:* 2008.

Mary Adams; Associate Professor; English Studies; PHD, Univ Houston Main

Campus*, 1995; MFA, University of Iowa, 1989; BA, Smith College, 1984; *Year of Appointment:* 1995.

Rachel Caroline Adams; Instructor; English Studies; MA, Western Carolina University, 2014; BS, Gardner-Webb University, 2009; *Year of Appointment:* 2017.

Gregory Patrick Adkison; Instructor; Biology; PHD, University of Kentucky, 2000; MA, Indiana State University, 1991; BSED, Jacksonville State University, 1988; BS, Jacksonville State University, 1987; *Year of Appointment:* 2002.

Yavuz Agan; Instructor; Econ, Mgt, Proj Mgt; PHD, University of Memphis, 2005; MS, University of Memphis, 2000; MBA, New York Inst Tech, 1996; *Year of Appointment:* 2021.

Mahmoud Aldeni; Assistant Professor; Mathematics & Computer Science; PHD, Central Michigan University, 2019; *Year of Appointment:* 2019.

Brook Tilahun Alemu; Assistant Professor; School of Health Sciences; PHD, Old Dominion University, 2017; MPH, Eastern Virginia Med Sch of Me, 2014;

MA, Foreign Institution, 2011; BA, Foreign Institution, 2007; *Year of Appointment:* 2018.

Mohammad Alimohammadirokni; Instructor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Texas Tech University, 2023; MS, Foreign Institution, 2019; BA, Foreign Institution, 2010; *Year of Appointment:* 2023.

Catherine Megan Allen; Associate Instructor; Social Work; MSW, Western Carolina University, 2011; *Year of Appointment:* 2017.

Basel Alsayed Ahmad; Assistant Professor; School of Engineering & Technology; PHD, Wayne State University, 1998; MS, Wayne State University, 1996; MS, NC Agri & Tech State Univ, 1987; *Year of Appointment:* 2020.

Vittal Anantatmula; Professor; Econ, Mgt, Proj Mgt; DSC, George Washington University, 2004; MS, George Washington University, 1995; MBA, Foreign Institution, 1991; BS, Foreign Institution, 1977; *Year of Appointment:* 2005.

Catherine Renee Andrews; Assistant Professor of Practice; Human Services; EDD, Western

Carolina University, 2016; *Year of Appointment*: 2006.

Barbara Hilton Arnold; Assistant Professor; Social Work; MSW, University of Georgia, Athens*, 2000; BSW, Appalachian State University, 1999; *Year of Appointment*: 2023.

Karin Kia Asberg; Dept Head/Assoc Prof; Psychology; PHD, University of Central Florida, 2008; MS, University of Central Florida, 2005; BS, Florida State University, 2000; *Year of Appointment*: 2008.

Thomas Duff Ashcraft; Distinguished Professor; School of Art & Design; MFA, Indiana Univ-Bloomington*, 1982; *Year of Appointment*: 2015.

Risto Atanasov; Dept Head/Professor; Mathematics & Computer Science; PHD, Binghamton University (SUNY), 2007; MA, Foreign Institution, 1998; BA, Foreign Institution, 1993; *Year of Appointment*: 2007.

Cynthia Ann Atterholt; Associate Professor; Chemistry & Physics; PHD, University of California-Davis, 1996; MBA, Winthrop University, 1987; BS, Kent State University, Kent, 1977; *Year of Appointment*: 1996.

Dan Curtis Atterholt; Instructor; Mathematics & Computer Science; MA, Winthrop University, 1991; BA, Univ South Carolina Columbia*, 1986; *Year of Appointment*: 2012.

Trevor George Bailey; Assistant Professor of Practice; School of Music; MM, Univ Nevada Reno*, 2016; *Year of Appointment*: 2021.

Bukola Bakare; Assistant Professor; Econ, Mgt, Proj Mgt; PHD, North Dakota State University, 2020; *Year of Appointment*: 2020.

Barbara E Ballentine; Associate Professor; Biology; PHD, Duke University, 2006; MS, Auburn University, 2000; BS, UNC at Chapel Hill, 1993; *Year of Appointment*: 2013.

Jaclyn Marie Bandell; Assistant Professor; School of Nursing; DNP, Western Carolina University, 2019; MSN, Emory University, 2014; BSN, Salisbury University, 2007; *Year of Appointment*: 2021.

Kaitlin Bargreen; Associate Professor of Practice; Human Services; PHD, Univ of Tennessee, Knoxville*, 2010; MS, Univ of Tennessee, Knoxville*, 2006; BS, Univ of Tennessee,

Knoxville*, 2005; *Year of Appointment*: 2016.

Cara Marie Barker; Associate Professor; Access, Research & Instruction Srvc; MLIS, Univ of Washington, Seattle, 2014; *Year of Appointment*: 2015.

Scott Anthony Barlowe; Associate Professor; Mathematics & Computer Science; PHD, UNC at Charlotte, 2011; MS, Appalachian State University, 2005; BS, Appalachian State University, 1996; *Year of Appointment*: 2006.

Julia Barnes; Professor; Mathematics & Computer Science; PHD, UNC at Chapel Hill, 1996; BS, University of Central Florida, 1990; *Year of Appointment*: 1996.

Erica Jean Barnett; Acquistns Librarian/Asst Prof; Content Org and Mgt, eRes & Tech; MLIS, UNC at Greensboro, 2020; BSW, Western Carolina University, 2013; *Year of Appointment*: 2014.

Jennifer Mynes Barrett Tatum; Associate Professor; School of Teaching and Learning; PHD, Georgia State University, 2013; MS, Univ of Tennessee, Knoxville*, 2004; BS, Univ of Tennessee, Knoxville*, 2003;

Year of Appointment:
2017.

Tammy Lankford Barron; Associate Prof/Lab Sch EC Admin; School of Teaching and Learning; PHD, UNC at Greensboro, 2015; MED, UNC at Greensboro, 2009; BA, UNC at Charlotte, 1999; *Year of Appointment:* 2016.

Peter Caldwell Bates; Professor; Geosciences & Natural Resources; PHD, Univ of Minnesota-Twin Cities, 1990; MS, Montana State Univ Bozeman, 1981; BS, University of Montana, 1977; *Year of Appointment:* 1993.

Jazmyne Raye'Shawn Baylor; Asst Prof/Res&Inst Librn-EdLia; Access, Research & Instruction Srv; MLIS, North Carolina Central Univ, 2020; *Year of Appointment:* 2022.

Edward L. Beard; SS Adjunct; School of Nursing; DNP, American Sentinel University, 2012; MSN, UNC at Greensboro, 1990; BSN, Lenoir-Rhyne University, 1985; *Year of Appointment:* 2023.

Robert J. Beaudet; Associate Professor; School of Teaching and Learning; PHD, Florida State University, 1997; MS, University of South Florida, 1994; BS, University of South

Florida, 1985; *Year of Appointment:* 2002.

Derek Raymond Becker; Associate Professor; Human Services; PHD, Oregon State University, 2016; MA, Calif St Univ San Bernardino, 2009; BA, Calif St Univ San Bernardino, 2005; *Year of Appointment:* 2016.

Ingrid Bego; Associate Professor; Political Science & Public Affairs; PHD, Washington State Univ, 2011; MA, Washington State Univ, 2006; BA, Washburn University, 2002; BA, Washburn University, 2002; BA, Washburn University, 2002; *Year of Appointment:* 2016.

James Curtis Beimborn; Assistant Professor; Chemistry & Physics; BS, Western Carolina University, 2014; BS, Western Carolina University, 2014; *Year of Appointment:* 2023.

Aarti Bellara; Assistant Professor; Human Services; PHD, University of South Florida, 2013; *Year of Appointment:* 2022.

Travis Bennett; Professor; School of Music; DMA, Univ of Alabama, Tuscaloosa*, 2003; MM, Univ of Alabama, Tuscaloosa*, 2000; BM, Florida State

University, 1998; *Year of Appointment:* 2006.

Charles Price Berryhill; Instructor; Mathematics & Computer Science; MAT, Western Carolina University, 2011; BS, Western Carolina University, 2004; BS, Western Carolina University, 2004; *Year of Appointment:* 2008.

Daniel James Best; Associate Instructor; Mathematics & Computer Science; MA, Miami University-Oxford, 2000; BA, Miami University-Oxford, 1992; *Year of Appointment:* 2008.

Kaleigh Christine Best; Assistant Professor; Anthropology & Sociology; BA, University of Montana, 2013; *Year of Appointment:* 2023.

Christopher John Beyt; Associate Professor; School of Music; DMA, Univ Illinois Urbana-Champaign, 2014; MA, University of North Texas, 2008; BA, Loyola Univ New Orleans, 2003; *Year of Appointment:* 2017.

Matthew Thomas Binford; Assistant Professor; Communication; MS, Middle Tennessee State Univ, 2015; BA, Middle Tennessee State Univ, 2013; *Year of Appointment:* 2021.

Janice Anne Black; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Texas Tech University, 1995; *Year of Appointment:* 2021.

Eleanor Jane Blair; Professor; School of Teaching and Learning; PHD, Univ of Tennessee, Knoxville*, 1987; MS, Univ of Tennessee, Knoxville*, 1982; MS, Univ of Tennessee, Knoxville*, 1982; BS, Univ of Tennessee, Knoxville*, 1977; *Year of Appointment:* 1993.

Lisa Arlene Bloom; Professor; School of Teaching and Learning; EDD, West Virginia University, 1989; BS, Indiana Univ of Pennsylvania, 1980; *Year of Appointment:* 1989.

Candace H. Boan-Lenzo; Assoc Prof; Psychology; PHD, Univ of Alabama, Tuscaloosa*, 1998; MA, Univ of Alabama, Tuscaloosa*, 1995; BS, College of Charleston, 1993; *Year of Appointment:* 1998.

Michael David Boatright; Associate Professor; English Studies; PHD, University of Georgia, Athens*, 2011; MED, University of Georgia, Athens*, 1999; BA, University of Georgia, Athens*, 1998; *Year of Appointment:* 2012.

Andrew Jerome Bobilya; Professor/Assistant

Department Head; Human Services; PHD, Univ of Minnesota-Twin Cities, 2004; *Year of Appointment:* 2014.

Nathan Allan Borchelt; Professor; Mathematics & Computer Science; PHD, Georgia State University, 2005; MST, University of Florida, 1996; BS, Newberry College, 1994; *Year of Appointment:* 2011.

Venkata Surya Prabhakara Chaitanya Borra; Assistant Professor; School of Engineering & Technology; PHD, University of Akron, 2020; *Year of Appointment:* 2022.

Indrani Bose; Professor; Biology; PHD, Duke University, 2001; MS, Foreign Institution, 1991; BS, Foreign Institution, 1989; *Year of Appointment:* 2007.

James Kyle Boudreau; SS Adjunct; Geosciences & Natural Resources; MS, Western Carolina University, 2011; *Year of Appointment:* 2014.

Jonathan Lennon Bradshaw; Associate Professor; English Studies; PHD, Miami University-Oxford, 2016; MA, Appalachian State University, 2008; BA, Campbell University, 2005; *Year of Appointment:* 2016.

Susan Smith Braithwaite; Assistant Professor; School of Health Sciences; PHD, NC State University at Raleigh, 2014; MAED, NC State University at Raleigh, 2007; BS, Western Carolina University, 1988; *Year of Appointment:* 2012.

Ellen Rainy Summer Brake; Associate Instructor; Anthropology & Sociology; BA, East Carolina University, 2006; *Year of Appointment:* 2019.

Kathleen Mary Brennan; Professor; Anthropology & Sociology; PHD, Kent State University, Kent, 2002; MA, Kent State University, Kent, 1998; BA, Hiram College, 1995; *Year of Appointment:* 2003.

Patricia L. Bricker; Distinguished Professor; Office, Dean, Educ & Allied Prof; EDD, Univ of Tennessee, Knoxville*, 2005; MS, University of Rochester, 1993; MSED, University of Rochester, 1993; BS, Cornell University, 1989; *Year of Appointment:* 2001.

Rachel York Bridgers; Associate Instructor; English Studies; PHD, Foreign Institution, 2014; MA, Western Carolina University, 1997; BA, Foreign Institution, 1993; *Year of Appointment:* 2016.

Emily Carolyn Brier; Instructor; English Studies; MA, University of Louisville, 2017; *Year of Appointment:* 2020.

Lisa T Briggs; Professor; Criminology & Criminal Justice; MS, NC State University at Raleigh, 1998; MPA, Western Carolina University, 1989; BS, Western Carolina University, 1987; *Year of Appointment:* 2002.

Katie Brodhead; Assistant Professor; Mathematics & Computer Science; MS, Florida State University, 2018; BS, Florida State University, 2017; PHD, University of Florida, 2008; *Year of Appointment:* 2023.

Alleyn Patricia Broomell; Assistant Professor; Psychology; PHD, VA Polytech Inst & State Univ, 2019; MS, VA Polytech Inst & State Univ, 2016; BS, Emory University, 2012; *Year of Appointment:* 2019.

Allyson Louise Brown; Assistant Professor of Practice; School of Nursing; MSN, Liberty University, 2019; BSN, Liberty University, 2016; *Year of Appointment:* 2020.

George Harold Brown; Dean/Professor; Office, Dean, Fine & Performing Art; MFA, Pennsylvania St Univ

Univ Park, 1990; *Year of Appointment:* 2015.

Johnnifer Patrice Brown; Assistant Professor; School of Art & Design; MFA, Brenau University, 2016; *Year of Appointment:* 2020.

Kelli R. Brown; Chancellor; Office of the Chancellor; EDD, Southern Illinois Univ Carb, 1987; MSED, University of Toledo, 1984; *Year of Appointment:* 2019.

Stephen E. Brown; Professor; Criminology & Criminal Justice; MS, Eastern Kentucky University, 1975; BA, Eastern Kentucky University, 1973; PHD, Univ Maryland College Park*, 1973; *Year of Appointment:* 2008.

Lara Marie Pope Bryant; Instructor; Geosciences & Natural Resources; PHD, Texas State Univ San Marcos, 2010; MS, Texas State Univ San Marcos, 2006; BS, McMurry University, 1995; *Year of Appointment:* 2020.

Hannah Southerland Buie Buala; Assistant Professor; Psychology; PHD, Univ Arizona, 2023; MA, Western Carolina University, 2019; BA, UNC at Chapel Hill, 2010; *Year of Appointment:* 2023.

Heidi Elizabeth Buchanan; Prof/Research Instr

Librarian; Access, Research & Instruction Srv; MLS, UNC at Chapel Hill, 2000; *Year of Appointment:* 2001.

Beth A Budden; Instructor; Biology; MS, Western Carolina University, 2013; *Year of Appointment:* 2020.

Mark R. Budden; Professor; Mathematics & Computer Science; PHD, Univ Missouri Columbia*, 2003; MA, Univ Missouri Columbia*, 1999; BS, Louisiana St Univ A&M College, 1997; *Year of Appointment:* 2010.

Debra Dobray Burke; Professor; Acct, Fin, Info Sys, Bus Law; JD, The Univ of Texas at Austin, 1982; MPA, The Univ of Texas at Austin, 1982; BA, The Univ of Texas at Austin, 1977; *Year of Appointment:* 1992.

Lyn Ellen Burkett; Assistant Professor of Practice; School of Music; PHD, Indiana Univ-Bloomington*, 2001; MM, Ithaca College, 1986; BA, University of Central Florida, 1984; *Year of Appointment:* 2010.

Matthew Darren Burleson; Instructor; Chemistry & Physics; MS, Western Carolina University, 2016; BS, Western Carolina University, 2015; *Year of Appointment:* 2021.

Chelsea Jordan Burrell; Teaching Assistant Professor; School of Health Sciences; MS, UNC at Greensboro, 2016; BA, NC State University at Raleigh, 2013; *Year of Appointment:* 2022.

Carol Burton; Vice Provost; Office of the Provost; EDD, NC State University at Raleigh, 2007; MAED, Western Carolina University, 1989; BS, Western Carolina University, 1987; *Year of Appointment:* 1989.

Pamela K. Buskey; Teaching Associate Professor; School of Teaching and Learning; EDD, Western Carolina University, 2013; MA, University of Findlay, 1993; BS, Ohio State Univ Columbus, 1987; *Year of Appointment:* 2011.

David J Butcher; Professor; Chemistry & Physics; PHD, University of Connecticut, 1990; BS, Univ of Vermont & St Agri Coll, 1982; *Year of Appointment:* 1990.

Karen L Butcher; Associate Instructor; Chemistry & Physics; PHD, University of Connecticut, 1990; BS, Univ of Vermont & St Agri Coll, 1982; *Year of Appointment:* 2004.

Brian D Byrd; Professor; School of Health Sciences; PHD, Tulane University, 2009; MSPH, Tulane University, 2002; BA, Univ North Carolina

Asheville, 2000; *Year of Appointment:* 2008.

Wendy R Cagle; Associate Instructor; Ent, Hosp, Tourism, Mkt, Sports Mgt; MBA, Western Carolina University, 1995; BSBA, Western Carolina University, 1986; *Year of Appointment:* 1987.

Erin Elizabeth Callahan; Associate Professor; English Studies; PHD, Duke University, 2013; MA, Duke University, 2011; BA, Yale University, 2000; *Year of Appointment:* 2013.

Kristin Rhode Calvert; Assoc Prof/Dir of Assesmnt, Reprting & Strategic Initiatives; Content Org and Mgt, eRes & Tech; MLIS, Univ Rhode Island, 2009; *Year of Appointment:* 2011.

Christopher Paul Brandon Campbell; SS Adjunct; Criminology & Criminal Justice; MS, Liberty University, 2020; BS, Western Carolina University, 2007; *Year of Appointment:* 2023.

Jonathan Mark Campbell; Dir Psy/Hlth Svc Psych/Prof; Psychology; PHD, University of Memphis, 2000; MA, Western Carolina University, 1995; BA, UNC at Chapel Hill, 1991; *Year of Appointment:* 2018.

Tara Michelle Campbell; Clinical Assistant Professor; School of Teaching and Learning; PHD, Georgia State University, 2015; MA, Piedmont University, 2001; BA, Mercer University, Macon, 1992; *Year of Appointment:* 2021.

Cynthia Vasiliki Caravelis; Professor; Criminology & Criminal Justice; PHD, Florida State University, 2007; *Year of Appointment:* 2009.

Andrew Michael Carnes; Assoc Prof/School Dir EMPM; Econ, Mgt, Proj Mgt; PHD, West Virginia University, 2015; MS, West Virginia University, 2011; BS, Western Carolina University, 2010; BSBA, Western Carolina University, 2010; *Year of Appointment:* 2015.

C. Dale Carpenter; Professor; School of Teaching and Learning; EDD, Auburn University, 1979; MED, Valdosta State University, 1975; BSED, Albany State University, 1974; *Year of Appointment:* 1979.

Kellen Lee Carpenter; Assistant Professor - Digital Scholarship Librarian; Content Org and Mgt, eRes & Tech; AMLS, Univ of Washington, Seattle, 2015; *Year of Appointment:* 2016.

William Samuel Carrell; SS Adjunct;

Human Services;
PHD, Univ Texas
Tyler, 2018; MBA,
Univ Texas Tyler,
2010; *Year of
Appointment: 2020.*

Catherine W. Carter;
Professor; English
Studies; PHD,
University of
Delaware, 1999; MA,
University of
Delaware, 1991; BA,
St Marys College Md,
1989; *Year of
Appointment: 1999.*

**John Andrew
Carzoli;** Clinical
Associate
Professor/Associate
Department Head;
Physical Therapy;
EDD, Western
Carolina University,
2021; DPT,
Washington Univ in
St. Louis, 2012; MPT,
Augusta University,
1999; BS, Auburn
University, 1996; *Year
of Appointment: 2012.*

**Jessica Nicole
Casimir;** Assistant
Professor;
Anthropology &
Sociology; PHD,
University of Florida,
2021; MS, Florida
A&M University,
2012; BS, Florida
A&M University,
2011; *Year of
Appointment: 2023.*

**Samantha Anne
Castelblanco;**
Teaching Assistant
Professor; Psychology;
PHD, East Tennessee
State Univ, 2022; *Year
of Appointment: 2017.*

**Machelle Jeanene
Cathy;**
Instructor/Clinic
Director; Comm

Sciences & Disorders;
MS, Western Carolina
University, 1998; *Year
of Appointment: 2021.*

Lori A. Caudle; SS
Adjunct; Human
Services; PHD, Univ
of Tennessee,
Knoxville*, 2010; MS,
Univ of Tennessee,
Knoxville*, 2004; BS,
Univ of Tennessee,
Knoxville*, 2003;
*Year of Appointment:
2010.*

**Ruhamah Nuccio
Caulkins;** Instructor;
School of Health
Sciences; MHS,
Western Carolina
University, 2012; BS,
Western Carolina
University, 2010; *Year
of Appointment: 2012.*

**Utpal R
Chakraborty;**
Associate Instructor;
Chemistry & Physics;
PHD, University of
Chicago, 1978; MS,
Foreign Institution,
1971; BS, Foreign
Institution, 1969; *Year
of Appointment: 2016.*

**Theresa Marie
Chandler;** Associate
Professor; School of
Teaching and
Learning; PHD, The
Univ of Texas at
Austin, 1997; MA,
The Univ of Texas at
Austin, 1992; MS,
UNC at Charlotte,
1989; BS, UNC at
Charlotte, 1985; *Year
of Appointment: 2016.*

**Forrest Taylor
Charnock;** Instructor;
Chemistry & Physics;
PHD, Wake Forest
University, 1999; BS,
Furman University,

1991; *Year of
Appointment: 2023.*

HAI-YANG Chen;
Professor; Acct, Fin,
Info Sys, Bus Law;
PHD, Kent State
University, Kent,
1990; MA, Kent State
University, Kent,
1987; *Year of
Appointment: 2019.*

Yi-Sung Cheng;
Assistant Professor;
Ent, Hosp, Tourism,
Mkt, Sports Mgt;
PHD, Univ Missouri
Columbia*, 2019;
MBA, Foreign
Institution, 2011;
BBA, Foreign
Institution, 2009; *Year
of Appointment: 2020.*

**Grace Evelyn
Cheshire;** Instructor;
Communication; MA,
Gonzaga University,
2019; *Year of
Appointment: 2016.*

**Andrew Thomas
Chockla;** Associate
Instructor;
Mathematics &
Computer Science;
MS, Western Carolina
University, 2006; BS,
Western Carolina
University, 2005; *Year
of Appointment: 2008.*

**Amanda Jeesun
Choie;** Hunter
Fellow/Instructor;
Office of the Dean -
Hunter Library; MLIS,
Foreign Institution,
2022; *Year of
Appointment: 2023.*

John Chrisman;
Associate Instructor;
English Studies; MA,
University of Central
Florida, 2015; *Year of
Appointment: 2015.*

Danial L. Clapper; Professor; Acct, Fin, Info Sys, Bus Law; PHD, Georgia State University, 1991; BA, Purdue University, Main Campus, 1985; *Year of Appointment:* 1996.

Mae Miller Claxton; Professor; English Studies; PHD, University of Georgia, Athens*, 1998; MA, UNC at Chapel Hill, 1990; BA, University of Georgia, Athens*, 1988; *Year of Appointment:* 1996.

Genevieve Lee Clements; Assistant Professor - Practice; School of Stage & Screen; MM, Carthage College, 2022; *Year of Appointment:* 2023.

Regina Michelle Cline; Visiting Instructor; Criminology & Criminal Justice; MA, UNC Wilmington, 2014; BS, Western Carolina University, 2012; *Year of Appointment:* 2014.

Robert John Clines; Associate Professor; History; MA, Miami University-Oxford, 2011; BA, John Carroll University, 2007; *Year of Appointment:* 2014.

Matthew Clontz; Assistant Professor of Practice; School of Engineering & Technology; PHD, VA Polytech Inst & State Univ, 2018; *Year of Appointment:* 2023.

Heather Adeline Bradbury Coan; Associate Professor; Biology; PHD, Wake Forest University, 2011; BS, Appalachian State University, 2005; *Year of Appointment:* 2013.

Andrew S. Coburn; Assoc Dir Study Dev Shorelines; Program for Study of Dev Shorelines; MA, Duke University, 1993; *Year of Appointment:* 2006.

Tamera Valentine Cole; Instructor; Communication; MA, Louisiana St Univ A&M College, 1981; BA, Auburn University, 1980; *Year of Appointment:* 2012.

Brian George Collin; Assistant Professor; Psychology; PHD, Spalding University, 2022; MA, Spalding University, 2019; PHD, Univ of Alabama, Tuscaloosa*, 2014; BA, UNC at Chapel Hill, 2009; *Year of Appointment:* 2023.

Edward Randolph Collins; Dean/Engineering & Technology; Office of the Dean, Engineer & Tech; *Year of Appointment:* 2022.

Joanna Morgan Collins; Assistant Professor - Practice; Human Services; PHD, Auburn University, 2023; MS, Columbus State University, 2017; BS, Columbus State University, 2011; *Year of Appointment:* 2023.

Todd A. Collins; DH/Steed Distinguished Prof; Political Science & Public Affairs; PHD, University of Georgia, Athens*, 2007; JD, UNC at Chapel Hill, 2000; BA, UNC at Chapel Hill, 1997; *Year of Appointment:* 2007.

Michael James Conklin; SS Adjunct; Acct, Fin, Info Sys, Bus Law; MA, Biola University, 2015; JD, Washburn University, 2007; MBA, Oklahoma City University, 2004; *Year of Appointment:* 2020.

Debra Lynn Connelly; Associate Professor of Teaching; Communication; MA, Univ of Central Missouri, 1975; BS, Univ of Central Missouri, 1973; *Year of Appointment:* 2000.

Donald W. Connelly; Professor/Radio Station Adv; Communication; MA, Univ of Central Missouri, 1975; BS, Univ of Central Missouri, 1973; *Year of Appointment:* 1999.

Christopher A. Cooper; Professor; Political Science & Public Affairs; PHD, Univ of Tennessee, Knoxville*, 2002; MA, Univ of Tennessee, Knoxville*, 1999; BA, Winthrop University, 1997; *Year of Appointment:* 2002.

Karena Joan Cooper-Duffy; Professor;

School of Teaching and Learning; PHD, Lehigh University, 1997; MAED, Lehigh University, 1991; BS, Allentown Business College, 1988; *Year of Appointment*: 1998.

James Thomas Costa; Exec Dir Hbs/Prof; Highlands Biological Station; PHD, University of Georgia, Athens*, 1992; MA, University of Georgia, Athens*, 1988; BS, University at Buffalo, SUNY, 1985; *Year of Appointment*: 1996.

Kia Hendrix Countess; Assistant Professor; School of Nursing; DNP, Univ Alabama Huntsville, 2015; MSN, Walden University, 2008; BSN, UNC Wilmington, 1997; *Year of Appointment*: 2018.

Mark R. Couture; Associate Professor; World Languages; PHD, Duke University, 1995; MA, Michigan State University, 1988; BA, Michigan State University, 1986; *Year of Appointment*: 1996.

Christopher Cox; Assistant Professor; Kimmel School of Construction Mngmt; PHD, Texas A&M University, 2020; MBA, Alaska Pacific University, 1992; MS, Univ Houston Main Campus*, 1985; *Year of Appointment*: 2021.

Philip Edward Coyle; Professor;

Anthropology & Sociology; PHD, Univ Arizona, 1997; BA, San Francisco State University, 1987; *Year of Appointment*: 1998.

Richard Todd Creasy; Director of Engagement & CEI Director; Econ, Mgt, Proj Mgt; DMGT, Case Western Reserve Univ, 2007; MS, University of Memphis, 1989; MBA, University of Memphis, 1987; BBA, University of Memphis, 1985; *Year of Appointment*: 2011.

Robert K. Crow; Associate Professor; Human Services; PHD, Univ South Carolina Columbia*, 2006; MA, Citadel Military College of SC, 2001; BA, College of Charleston, 1997; *Year of Appointment*: 2006.

Gary Michael Cornutt; Assistant Professor; Acct, Fin, Info Sys, Bus Law; PHD, Texas Tech University, 2022; *Year of Appointment*: 2022.

Russell Clay Curtis; Professor; Human Services; PHD, UNC at Greensboro, 2000; MHDL, UNC at Charlotte, 1993; BA, NC State University at Raleigh, 1988; *Year of Appointment*: 1999.

Mariana Da Costa; Assistant Professor; School of Nursing; MSN, East Tennessee State Univ, 2017; BSN, University of Miami, 2007; BA,

University of Florida, 2006; *Year of Appointment*: 2019.

Paige Camille Dagenhard-Trainer; Associate Professor; School of Health Sciences; PHD, University of Toledo, 2016; MA, University of Toledo, 2013; BS, University of Toledo, 2012; *Year of Appointment*: 2016.

Ya Dai; Assistant Professor; Acct, Fin, Info Sys, Bus Law; PHD, Univ Texas San Antonio, 2014; MS, Univ Texas San Antonio, 2007; BA, Foreign Institution, 1995; *Year of Appointment*: 2021.

Aubrey Ray Dalana; Assistant Professor; School of Health Sciences; DRPH, Univ of Tennessee, Knoxville*, 2021; MS, Western Carolina University, 2011; BS, Western Carolina University, 2009; *Year of Appointment*: 2012.

Emily L. Darnell; Associate Instructor; English Studies; MA, Western Carolina University, 2011; BA, Western Carolina University, 2008; *Year of Appointment*: 2012.

Bethany Ann Davidson; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Antioch College, 2018; MBA, Western Carolina University, 2004; BS, Univ of Minnesota-Twin Cities, 1995; BS, Univ of Minnesota-

Twin Cities, 1995; *Year of Appointment*: 2019.

John Henry Davis; Associate Instructor; Chemistry & Physics; MS, Montana State Univ Bozeman, 2014; MA, UNC-Pembroke, 2011; BS, UNC-Pembroke, 1999; *Year of Appointment*: 2013.

David de Jong; Associate Professor; Psychology; PHD, University of Rochester, 2016; MA, University of Rochester, 2011; BS, Foreign Institution, 2009; *Year of Appointment*: 2016.

Thales De Nardo; Assistant Professor; Comm Sciences & Disorders; PHD, Univ Louisiana Lafayette, 2017; MS, Bowling Green State Univ, 2011; BA, Ohio State Univ Columbus, 2009; *Year of Appointment*: 2021.

Channa Ruwan De Silva; Professor; Chemistry & Physics; PHD, Univ Arizona, 2007; BS, Foreign Institution, 2001; *Year of Appointment*: 2010.

Zachary James DeMeester; MAPHealth Supervisor Clinician; Physical Therapy; *Year of Appointment*: 2022.

Annette Debo; Dept Head/Professor; English Studies; PHD, Univ Maryland College Park*, 1998; MA, VA Polytech Inst

& State Univ, 1990; BS, VA Polytech Inst & State Univ, 1986; *Year of Appointment*: 2001.

James B. Deconinck; Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ Arkansas Fayetteville*, 1988; BSBA, Univ Missouri Kansas City, 1981; *Year of Appointment*: 2002.

Mary Beth Deconinck; Associate Instructor; Ent, Hosp, Tourism, Mkt, Sports Mgt; MBA, Univ of Central Missouri, 1984; BSBA, Univ of Central Missouri, 1983; *Year of Appointment*: 2006.

Andrew Craig Denson; Professor; History; PHD, Indiana Univ-Bloomington*, 2000; MA, Indiana Univ-Bloomington*, 1994; BA, Univ Illinois Urbana-Champaign, 1992; *Year of Appointment*: 2004.

Heidi Luebke Dent; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; MS, Florida International Univ, 2020; DBA, Jacksonville University, 2019; MBA, UNC-Pembroke, 2011; *Year of Appointment*: 2019.

Jerry Nelson Denton; Instructor/Lab Tech; School of Engineering & Technology; MS, Western Carolina University, 2003; BS, Western Carolina

University, 2002; *Year of Appointment*: 2004.

Victoria Elise Swan Depew; Director Stg/Scrn/Assoc Prof; School of Stage & Screen; MFA, Rutgers State Univ of NJ- New , 2009; BA, Univ of the South, Sewanee, 2003; *Year of Appointment*: 2017.

Sloan Evans Despeaux; Professor; Mathematics & Computer Science; PHD, University of Virginia, 2002; MS, Florida State University, 1997; BA, Francis Marion University, 1995; *Year of Appointment*: 2002.

Paul Kent Dezendorf; SS Adjunct; Political Science & Public Affairs; PHD, Univ South Carolina Columbia*, 1998; MSW, Univ South Carolina Columbia*, 1995; MBA, Rutgers State Univ of NJ- New , 1979; BA, Drew University, 1972; *Year of Appointment*: 2010.

Jackson David Deziel; Associate Professor; School of Health Sciences; PHD, UNC at Charlotte, 2015; MPAD, NC State University at Raleigh, 2011; *Year of Appointment*: 2015.

Angela Kathryn Dills; Endowed Professor; Econ, Mgt, Proj Mgt; PHD, Boston University, 2003; MS, Boston University, 2000; BA, University of Virginia,

1996; *Year of Appointment*: 2016.

Brian D. Dinkelmeyer; Assoc Professor; Chemistry & Physics; PHD, Stony Brook University, 1999; BA, Stony Brook University, 1992; BS, Stony Brook University, 1992; *Year of Appointment*: 2001.

Kelley Holzknicht Dinkelmeyer; Associate Instructor; Chemistry & Physics; MS, Indiana Univ of Pennsylvania, 1991; BS, Valdosta State University, 1988; AA, Bainbridge College, 1986; *Year of Appointment*: 2004.

Robert J Donnellan; Associate Instructor; English Studies; MA, Western Carolina University, 2013; BA, Univ North Carolina Asheville, 2010; AA, Northwestern Michigan College, 2006; *Year of Appointment*: 2013.

Kathryn Eileen Dorney; Instructor; Comm Sciences & Disorders; PHD, UNC at Chapel Hill, 2021; *Year of Appointment*: 2022.

David R Dorondo; Professor; History; DPHIL, Foreign Institution, 1988; MA, Univ South Carolina Columbia*, 1984; BA, Armstrong State University, 1980; *Year of Appointment*: 1987.

Kristy Kowalske Doss; Assistant

Professor; School of Teaching and Learning; PHD, University of Georgia, Athens*, 2013; MAED, Western Carolina University, 2008; BSED, Appalachian State University, 1995; *Year of Appointment*: 1998.

Christopher Neil Doval; Instructor; Acct. Fin, Info Sys, Bus Law; JD, Syracuse University, 2010; MS, Syracuse University, 2010; BA, Virginia Commonwealth Univ, 2006; *Year of Appointment*: 2021.

Joshua Austin Downs; Assistant Professor; Econ, Mgt, Proj Mgt; PHD, Univ Illinois Urbana-Champaign, 2021; MBA, Univ Illinois Urbana-Champaign, 2014; *Year of Appointment*: 2021.

Nora Doyle; Assistant Professor; History; PHD, UNC at Chapel Hill, 2013; *Year of Appointment*: 2022.

Jeanne R. Dulworth; Clinical Assistant Professor; Social Work; DSW, Univ Saint Thomas Mn, 2019; MSW, Univ South Carolina Columbia*, 1998; BS, Western Carolina University, 1996; *Year of Appointment*: 2000.

Pamela Yvonne Duncan; Associate Professor; English Studies; MA, NC State University at Raleigh, 1996; BA, UNC at Chapel Hill, 1983;

Year of Appointment: 2008.

Sara Michelle Duncan; Assistant Professor; School of Health Sciences; PHD, Rutgers Univ - New Brunswick, 2018; BS, Hawaii Pacific Univ, 2012; *Year of Appointment*: 2019.

Edward Roy Duranty; Assistant Professor; Chemistry & Physics; PHD, Univ of Tennessee, Knoxville*, 2015; *Year of Appointment*: 2022.

Terrica Marie Durbin; Dir School of Nursing/Associate Professor; School of Nursing; PHD, Univ of Tennessee, Knoxville*, 2020; DNP, Univ of Tennessee, Knoxville*, 2013; MS, Univ of Tennessee, Knoxville*, 2009; BS, Lewis-Clark State College, 1999; *Year of Appointment*: 2021.

Susanna Frances Dysart; Assistant Professor; School of Health Sciences; PHD, VA Polytech Inst & State Univ, 2022; MS, East Tennessee State Univ, 2017; BS, Auburn University, 2015; *Year of Appointment*: 2023.

Jack A Eaddy; Dir of Ath Bands/Asst Prof; School of Music; DMA, University of North Texas, 2019; *Year of Appointment*: 2021.

Jane M. Eastman; Associate Professor; Anthropology & Sociology; PHD, UNC at Chapel Hill, 1999; MA, UNC at Chapel Hill, 1990; BA, UNC at Chapel Hill, 1986; *Year of Appointment:* 2001.

Timothy George Eckard; Assistant Professor/Asst Department Head; Physical Therapy; PHD, UNC at Chapel Hill, 2019; DPT, Baylor University, 2009; BS, James Madison University, 2006; *Year of Appointment:* 2018.

Megan Ann Eckardt; Associate Instructor; Biology; MS, Western Carolina University, 2013; BS, Vanderbilt University, 2008; *Year of Appointment:* 2016.

Pamela Edwards; SS Adjunct; School of Nursing; PHD, NC State University at Raleigh, 1989; *Year of Appointment:* 2023.

Scott Allen Eldredge; Dept Head/Associate Professor; PHD, Communication; Univ of Tennessee, Knoxville*, 2014; MA, Michigan State University, 1995; *Year of Appointment:* 2014.

Gail Marie Councill Elliott; Assoc Prof of Practice; School of Nursing; PHD, UNC at Greensboro, 2021; MSN, Western Carolina University, 2013; BSN, Western Carolina University, 2009; BA, Univ North

Carolina Asheville, 2004; *Year of Appointment:* 2013.

Kimberly L. Elliott; Teaching Assistant Professor; School of Teaching and Learning; EDD, Appalachian State University, 2008; EDS, Appalachian State University, 2002; MSA, Appalachian State University, 2001; *Year of Appointment:* 1987.

Lydia Elliott; Assoc Professor of Practice; School of Nursing; MSN, Western Carolina University, 2002; BSN, Florida International Univ, 1991; *Year of Appointment:* 2008.

Andrew Franklin Emerson; Associate Instructor; Acct, Fin, Info Sys, Bus Law; JD, University of Georgia, Athens*, 1981; *Year of Appointment:* 2019.

Georgia Corinne Ennis; Assistant Professor; Anthropology & Sociology; PHD, Univ Michigan Ann Arbor*, 2019; *Year of Appointment:* 2022.

Phillip Charles Entzinger; Visiting Assistant Professor; Criminology & Criminal Justice; *Year of Appointment:* 2023.

Heather Mae Erickson; Associate Professor; School of Art & Design; MFA, Cranbrook Academy of Art, 2004; BFA,

The University of the Arts, 2000; *Year of Appointment:* 2014.

William Dustin Evatt; Assistant Professor - Practice; Human Services; EDD, Appalachian State University, 2019; *Year of Appointment:* 2021.

Melissa Knippel Fatz; Associate Instructor; School of Teaching and Learning; MAED, Western Carolina University, 2013; BSED, Western Carolina University, 2004; *Year of Appointment:* 2016.

Amy Lynn Fagan; Associate Professor; Geosciences & Natural Resources; PHD, University of Notre Dame, 2013; BS, Washington Lee University, 2006; *Year of Appointment:* 2014.

Charles John Fagan; Associate Instructor; Political Science & Public Affairs; PHD, University of Notre Dame, 2015; MA, University of Notre Dame, 2011; BA, Washington Lee University, 2006; *Year of Appointment:* 2016.

Yang Fan; Professor; Econ, Mgt, Proj Mgt; MS, South Dakota Sch Mines Tech, 2004; PHD, Foreign Institution, 1999; MS, Foreign Institution, 1996; *Year of Appointment:* 2008.

Betty Anne Farmer; Professor;

Communication; PHD, Univ of Tennessee, Knoxville*, 1993; MS, Univ of Tennessee, Knoxville*, 1988; BA, Univ Virginia College at Wise, 1986; *Year of Appointment*: 1993.

William Edwin Faust; Associate Instructor; School of Health Sciences; MPA, Kean University, 1997; BS, Washington College, 1988; *Year of Appointment*: 2019.

Chip W. Ferguson; Associate Dean/Professor; Office of the Dean, Engineer & Tech; EDD, Western Carolina University, 2008; MS, Univ Southern Mississippi, 1997; BS, Univ Southern Mississippi, 1995; *Year of Appointment*: 2002.

Kimiko Crystal Ferguson; Assistant Professor; Chemistry & Physics; PHD, Florida International Univ, 2023; MS, Florida International Univ, 2021; MS, University at Buffalo, SUNY, 2011; BS, Foreign Institution, 2007; *Year of Appointment*: 2023.

Robert Hunt Ferguson; Associate Professor; History; PHD, UNC at Chapel Hill, 2012; MA, Western Carolina University, 2004; BA, Western Carolina University, 2001; *Year of Appointment*: 2012.

Gregory Matthew Ferrin; Instructor; Mathematics & Computer Science; MS, Univ South Carolina Columbia*, 2014; BS, Western Carolina University, 2012; *Year of Appointment*: 2023.

Donald Alphonse Fischer; Assistant Professor; Chemistry & Physics; PHD, University of Georgia, Athens*, 2018; BS, Evergreen State College, 2011; *Year of Appointment*: 2018.

Larry Blaine Fisher; Assistant Professor; School of Teaching and Learning; PHD, UNC at Charlotte, 2018; *Year of Appointment*: 2022.

Nathan Benjamin Folsie; Instructor; Chemistry & Physics; MS, Western Carolina University, 2020; BA, Rhodes College, 2013; *Year of Appointment*: 2015.

Frank Louis Forcino; Sci Educ Prog Dir/Assoc Prof; Geosciences & Natural Resources; PHD, Foreign Institution, 2013; MS, San Diego State University, 2009; BS, West Chester University, 2007; *Year of Appointment*: 2014.

Janet C. Ford; Professor; Acct, Fin, Info Sys, Bus Law; JD, Univ South Carolina Columbia*, 1998; BM, Furman University, 1985; *Year of Appointment*: 2004.

Thomas Edgar Ford; Professor; Psychology; PHD, Univ Maryland College Park*, 1992; MA, Univ Maryland College Park*, 1989; BS, Texas Christian University, 1987; *Year of Appointment*: 2007.

Melodie Henson Frick; Associate Professor; Human Services; PHD, University of Virginia, 2009; MS, Western Carolina University, 1997; BA, UNC at Greensboro, 1993; *Year of Appointment*: 2012.

Henry Kevin Fulk; Associate Professor; Acct, Fin, Info Sys, Bus Law; PHD, Univ Houston Main Campus*, 2008; *Year of Appointment*: 2020.

Maria Diane Gainey; Assistant Professor; Chemistry & Physics; PHD, Wake Forest University, 2008; BS, Appalachian State University, 2003; *Year of Appointment*: 2015.

William Andrew Gambill; Associate Instructor; Communication; MED, NC State University at Raleigh, 2010; BS, Western Carolina University, 2007; *Year of Appointment*: 2011.

Meghan June Gangel; Assistant Professor; Psychology; PHD, UNC at Greensboro, 2016; *Year of Appointment*: 2022.

Santiago Garcia-Castanon; Professor; World Languages; PHD, Univ Illinois Urbana-Champaign, 1992; MA, Univ Illinois Urbana-Champaign, 1987; BA, Foreign Institution, 1983; *Year of Appointment:* 2007.

Patrick J. Gardner; Endowed Prof/Director; Ctr for Rapid Product Realization; PHD, Air Force Inst Tech, 1996; MS, Air Force Inst Tech, 1988; BS, University of Florida, 1984; *Year of Appointment:* 2010.

Mariano Garrido-Lopez; Dir of Graduate Programs/Assoc Prof; Office of the Dean, Business; PHD, Foreign Institution, 2012; MBA, Foreign Institution, 1998; MS, Foreign Institution, 1992; *Year of Appointment:* 2016.

Brian W. Gastle; Professor; English Studies; PHD, University of Delaware, 1998; MA, University of Delaware, 1991; BA, SUNY Coll Buffalo, 1989; *Year of Appointment:* 1998.

Gary Bruce Gehrig; Dir/Distinguished Prof; Kimmel School of Construction Mngmt; PHD, Colorado State Univ Ft Collins, 2002; MS, Univ Colorado Denver, 1990; BS, Brigham Young Univ

Utah, 1984; *Year of Appointment:* 2018.

Rebecca George; Instructor/Asst Dir of Forensic Anthropol Facil; Anthropology & Sociology; PHD, Univ Nevada Reno*, 2020; *Year of Appointment:* 2021.

Marie-Line Germain; Professor; Human Services; PHD, Barry University, 2006; MA, Foreign Institution, 1993; BA, Foreign Institution, 1992; *Year of Appointment:* 2010.

William Keith Gibbs; Assistant Professor; Geosciences & Natural Resources; PHD, Tennessee Tech University, 2013; *Year of Appointment:* 2019.

Joseph Anthony Giordano; Assistant Professor; Acct, Fin, Info Sys, Bus Law; PHD, Univ Denver, 2023; MBA, Univ Colorado Denver, 2003; MS, Univ Colorado Denver, 2003; BS, University of Florida, 1996; *Year of Appointment:* 2023.

Ruth Turner Goins; Distinguished Professor; Social Work; PHD, Univ of Massachusetts, Boston, 1997; MS, Univ of Massachusetts, Boston, 1994; BA, East Carolina University, 1992; *Year of Appointment:* 2013.

Amber Reece Golden; SS Adjunct; School of Nursing; MS, Western Carolina

University, 2023; BSN, Western Carolina University, 2010; *Year of Appointment:* 2023.

Enrique A. Gomez; Associate Professor; Chemistry & Physics; PHD, Univ of Alabama, Tuscaloosa*, 2006; MS, Univ of Alabama, Tuscaloosa*, 2003; BS, Univ of California-Santa Cruz, 1998; *Year of Appointment:* 2007.

Gael N Graham; Professor; History; PHD, Univ Michigan Ann Arbor*, 1990; MA, Univ Michigan Ann Arbor*, 1984; BA, Univ of California-Santa Cruz, 1980; *Year of Appointment:* 1990.

Andrew J Grandage; Assistant Professor; Political Science & Public Affairs; MPA, University of Georgia, Athens*, 2016; *Year of Appointment:* 2020.

Alicia Michelle Grande; Associate Instructor; Psychology; MA, Stony Brook University, 2006; BA, Wilkes University, 2004; *Year of Appointment:* 2019.

Jill Rene Nelson Granger; Dean/Professor; Office of the Dean, Honors; PHD, Purdue University, Main Campus, 1993; *Year of Appointment:* 2015.

Jessica Erin Graning; Clinical

Assistant Professor;
Physical Therapy;
DPT, Duke University,
2003; BA, UNC at
Chapel Hill, 2000;
Year of Appointment:
2011.

**Heidi Lynn
Grappendorf;**
Professor; Ent, Hosp,
Tourism, Mkt, Sports
Mgt; PHD, Univ New
Mexico Albuquerque,
2001; MA, Univ
Northern Colorado,
1996; BA, Dana
College, 1995; *Year of
Appointment:* 2018.

Jake Philip Greear;
Associate Instructor;
Political Science &
Public Affairs; PHD,
Johns Hopkins Univ*,
2013; MA, VA
Polytech Inst & State
Univ, 2005; BA,
Warren Wilson
College, 2000; *Year of
Appointment:* 2018.

**Lynette Michelle
Gregg;** Assistant
Professor - Practice;
School of Art &
Design; MA, New
York University, 2022;
BS, Western Carolina
University, 2021; *Year
of Appointment:* 2023.

Cathy Lauren Grist;
Professor; Human
Services; PHD, Univ
of Tennessee,
Knoxville*, 2007;
MA, Western Carolina
University, 1994; BA,
Auburn University,
1991; *Year of
Appointment:* 1994.

Adam Michael Groh;
Associate Professor;
School of Music;
DMA, The Univ of
Texas at Austin, 2013;
MM, Florida State

University, 2010; BA,
Truman State
University, 2007; *Year
of Appointment:* 2017.

**Carolyn Joanne
Grosch;** Asst Prof of
Practice/Curator
Coll/Exhbtn; Fine Arts
Museum; MA, Tufts
University, 2009; *Year
of Appointment:* 2018.

**Angela Johnson
Grube;**
Dean/Professor; Office
of the Dean, Business;
PHD, Florida State
University, 1998;
MPA, Georgia Coll &
State Univ, 1994; MS,
Georgia Southern
University, 1992; MS,
Georgia Southern
University, 1992;
BBA, Georgia Coll &
State Univ, 1991;
BBA, Georgia Coll &
State Univ, 1991; *Year
of Appointment:* 1999.

Danny P. Grube;
Associate Professor;
School of Teaching
and Learning; PHD,
Florida State
University, 1998;
MSED, Troy
University, Troy,
1995; BSED, Lyndon
State College, 1989;
Year of Appointment:
1999.

**Needham Yancey
Gulley;** Associate
Professor; Human
Services; PHD,
University of Georgia,
Athens*, 2012; MED,
NC State University at
Raleigh, 2003; BA,
UNC Wilmington,
2000; *Year of
Appointment:* 2016.

Inhyuck Ha;
Professor; Econ, Mgt,
Proj Mgt; PHD, Univ

of Minnesota-Twin
Cities, 1999; MS, Univ
Wisc Madison*, 1993;
BA, Yonsei
University, 1987; *Year
of Appointment:* 2003.

Julia Brooke Haager;
Assistant Professor;
History; PHD,
Binghamton
University (SUNY),
2022; MA,
Binghamton
University (SUNY),
2015; MA, California
St Univ-Los Angeles,
2011; BA, Seattle
Pacific University,
2007; *Year of
Appointment:* 2023.

Sur Ah Hahn;
Associate Professor;
Social Work; MSW,
University of Kansas,
2008; *Year of
Appointment:* 2013.

Kimberlee K. Hall;
Associate Professor;
School of Health
Sciences; PHD, East
Tennessee State Univ,
2012; *Year of
Appointment:* 2015.

Ann Hallyburton;
Associate Professor;
Access, Research &
Instruction Srvc;
MSLS, UNC at Chapel
Hill, 2003; *Year of
Appointment:* 2004.

**Chad Lane
Hallyburton;**
Teaching Assistant
Professor; School of
Health Sciences; MS,
Western Carolina
University, 1997; BS,
NC State University at
Raleigh, 1991; *Year of
Appointment:* 2018.

**Katharine Emma
Louise Hamilton;**
Instructor; English

Studies; MA, Western Carolina University, 2023; BA, University of South Florida, 2018; AA, St Petersburg College, 2016; *Year of Appointment*: 2023.

Weaver Ballou Haney; Instructor; Biology; MS, Western Carolina University, 2005; BS, Western Carolina University, 2002; *Year of Appointment*: 2010.

John Andrew Hansen; Associate Professor; Criminology & Criminal Justice; MA, Univ South Carolina Columbia*, 2008; *Year of Appointment*: 2015.

Lisabeth Lynn Harmer; Assistant Professor; Social Work; DSW, Univ Saint Thomas Mn, 2021; MSW, Western Carolina University, 2010; BA, Salem College, 2004; *Year of Appointment*: 2016.

Elizabeth Marie Harper; Associate Prof/Spec Dgtl Coll Librn; Content Org and Mgt, eRes & Tech; MIS, Univ Michigan Ann Arbor*, 2011; *Year of Appointment*: 2014.

Kristen Marie Harrell; Assistant Professor - Practice; School of Nursing; MSN, Walden University, 2021; BSN, Western Carolina University, 2010; AA, Blue Ridge Cmty College, 2007;

Year of Appointment: 2021.

Adam Harris; Assistant Professor - Practice; School of Engineering & Technology; PHD, UNC at Charlotte, 2014; *Year of Appointment*: 2014.

Darby McGrady Harris; Associate Instructor; Biology; PHD, University of Kentucky, 2011; MS, Western Carolina University, 2005; BS, Western Carolina University, 1997; *Year of Appointment*: 2012.

Jennifer E. Harris; Associate Instructor; English Studies; MA, Western Carolina University, 2008; BA, Warren Wilson College, 2001; *Year of Appointment*: 2011.

Leigh Ray Hartman; Director Assessment/Assoc Instructor; Econ, Mgt, Proj Mgt; DBA, Jacksonville University, 2019; MBA, Charleston Southern University, 1992; *Year of Appointment*: 2019.

Kyle Edmund Harvey; Assistant Professor; History; PHD, Cornell University, 2019; *Year of Appointment*: 2019.

Joseph Mahboub Hashem; Assistant Professor; Acct, Fin, Info Sys, Bus Law; PHD, Kent State University, Kent, 2023; MBA, Foreign Institution, 2016;

BSBA, Foreign Institution, 2013; *Year of Appointment*: 2023.

Tarek Abdelmoneim Hassan Kandil; Assistant Professor; School of Engineering & Technology; PHD, Foreign Institution, 2004; MSE, Foreign Institution, 1999; BSE, Foreign Institution, 1993; *Year of Appointment*: 2022.

Jessica Meghan Hayden; Assistant Professor; Political Science & Public Affairs; PHD, University of Oklahoma, Norman, 2018; MA, The University of West Florida, 2012; JD, University of Florida, 2010; *Year of Appointment*: 2018.

Jacob Michael Heiling; Assistant Professor; Biology; PHD, NC State University at Raleigh, 2019; BS, The Univ of Texas at Austin, 2013; *Year of Appointment*: 2023.

Amanda Rathbone Henderson; Instructor; Human Services; MAED, Western Carolina University, 2007; BA, Meredith College, 2002; *Year of Appointment*: 2019.

David Graham Henderson; DH/Associate Professor; Philosophy & Religion; PHD, Texas A&M University, 2008; MS, Texas A&M University, 2006; BA,

Bryan College, 2002; *Year of Appointment*: 2008.

Mary Rebekah Henderson;

Instructor; Human Services; MS, Southern Oregon University, 2017; *Year of Appointment*: 2020.

Tonya Lynn Hensley;

Assistant Professor of Practice; School of Nursing; DNP, East Tennessee State Univ, 2014; MSN, East Tennessee State Univ, 2009; BSN, Lees-McRae College, 2007; *Year of Appointment*: 2016.

Mickey Bruce

Henson; Assistant Professor Of Practice; Kimmel School of Construction Mngmt; DCE, Foreign Institution, 2011; *Year of Appointment*: 2019.

Kyle Robert Hess;

Associate Instructor; Chemistry & Physics; PHD, Drexel University, 2018; MS, Drexel University, 2015; BS, Dickinson College, 2008; *Year of Appointment*: 2018.

Susan White Hester;

Associate Professor of Practice; School of Nursing; DNP, Gardner-Webb University, 2017; MSN, Western Carolina University, 2013; BSN, Western Carolina University, 2007; *Year of Appointment*: 2013.

Ian Hewer; CRNA

Prog Dir/Associate Prof of Prac; School of

Nursing; PHD, UNC at Charlotte, 2018;

MSN, Univ Calif San Francisco, 1995; MA, New York University, 1991; BSN, Foreign Institution, 1986; *Year of Appointment*: 2011.

Maureen Peters

Hickman; Associate Instructor; Biology; MA, Univ New Mexico Albuquerque, 2006; BS, Ohio University, Athens, 2004; *Year of Appointment*: 2018.

Shelby Susan Hicks;

Associate Professor; School of Art & Design; MFA, Endicott College, 2012; *Year of Appointment*: 2017.

Rangika Surangi Hikkaduwa

Koralege; Assistant Professor; Chemistry & Physics; PHD, Oklahoma State University, 2014; BS, Foreign Institution, 2007; *Year of Appointment*: 2017.

John Caleb Hildreth;

Interim Assoc Dean Research/Dist Prof; Kimmel School of Construction Mngmt; PHD, VA Polytech Inst & State Univ, 2003; *Year of Appointment*: 2019.

Lisa J. Hilger;

Associate Instructor; School of Teaching and Learning; MS, University of Florida, 1990; BS, University of Florida, 1988; *Year of Appointment*: 2015.

Yue Cai Hillon;

Distinguished

Professor; Acct, Fin, Info Sys, Bus Law; PHD, New Mexico St Univ Las Cruces, 2006; MBA, New Mexico St Univ Las Cruces, 2003; BSBA, New Mexico St Univ Las Cruces, 2002; *Year of Appointment*: 2014.

Sonja Louise Himes;

Associate Instructor; Biology; MS, Western Carolina University, 2002; BS, Univ North Carolina Asheville, 1996; *Year of Appointment*: 2005.

Jennifer Lyn Hinton;

Professor; School of Health Sciences; PHD, Clemson University, 2000; MS, Indiana Univ-Bloomington*, 1994; BS, Kent State University, Kent, 1991; *Year of Appointment*: 2008.

Mark Armiger

Holliday; Professor; Mathematics & Computer Science; PHD, Univ Wisc Madison*, 1986; MS, Univ Wisc Madison*, 1982; BA, University of Virginia, 1978; *Year of Appointment*: 1994.

Rebecca Holmes;

Program Director; School of Health Sciences; MS, Meredith College, 2013; *Year of Appointment*: 2022.

Denise Drury

Homewood; Bardo Arts Center Exec Dir; Bardo Arts Center; MA, Florida State University, 2007; *Year of Appointment*: 2010.

Sara Snyder Hopkins; Assistant Professor; Anthropology & Sociology; PHD, Columbia Univ Columbia College, 2016; MPH, Columbia Univ Columbia College, 2010; MA, Columbia Univ Columbia College, 2008; BA, UNC at Chapel Hill, 2000; *Year of Appointment:* 2016.

Kimberly Joy Howard; Associate Professor; Human Services; PHD, Univ South Carolina Columbia*, 2013; PHD, Univ South Carolina Columbia*, 2013; MA, San Diego State University, 2004; BS, Winthrop University, 2001; *Year of Appointment:* 2022.

Cory Lee Howk; Associate Professor; Mathematics & Computer Science; PHD, Iowa State University, 2010; MA, Minnesota State Univ Mankato, 2005; BA, Minnesota State Univ Mankato, 2003; *Year of Appointment:* 2012.

Christopher Ashley Hoyt; Associate Professor; Philosophy & Religion; PHD, Univ Illinois Chicago, 1998; BA, Boston University, 1988; *Year of Appointment:* 2003.

Beth Huber; Associate Professor; English Studies; PHD, Univ Missouri Kansas City, 2002; MA, Univ Missouri Kansas City, 1997; BA, Univ

Missouri Kansas City, 1995; *Year of Appointment:* 2004.

Phillip Jason Huber; Associate Instructor; English Studies; MA, Western Carolina University, 2017; BA, New Mexico St Univ Las Cruces, 2013; *Year of Appointment:* 2019.

Brittany Nicole Huggins-Graham; Assistant Professor; School of Nursing; EDD, Gardner-Webb University, 2018; MSN, Gardner-Webb University, 2015; *Year of Appointment:* 2022.

David Griffin Hudson; Dept Head/Distinguished Prof; Physical Therapy; PHD, University of Delaware, 2004; MS, University of Delaware, 1999; BS, Ithaca College, 1989; *Year of Appointment:* 2007.

Carmen Louise Huffman; Interim Associate Provost; Office of the Provost; PHD, Univ Maryland College Park*, 2005; BS, Univ Rhode Island, 2001; *Year of Appointment:* 2005.

Scott W. Huffman; Professor; Chemistry & Physics; PHD, Univ Rhode Island, 2001; MS, UNC Wilmington, 1997; BS, UNC Wilmington, 1994; *Year of Appointment:* 2005.

Jane Marie Hughes; Associate

Dean/Associate Professor; School of Art & Design; MA, University of Kentucky, 2011; BS, Miami University-Oxford, 1989; *Year of Appointment:* 2017.

Summer Huntley-Dale; Associate Professor of Practice; School of Nursing; PHD, University of Phoenix, 2015; *Year of Appointment:* 2009.

Ashley Hyatt; Clinical Assistant Professor; Physical Therapy; DPT, Medical University SC, 2009; *Year of Appointment:* 2013.

Jeremy Hyman; Professor; Biology; PHD, UNC at Chapel Hill, 2001; BA, University of Chicago, 1993; *Year of Appointment:* 2006.

Ali Iskender; Instructor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ South Carolina Columbia*, 2023; MS, University of Florida, 2018; BS, Foreign Institution, 2012; *Year of Appointment:* 2023.

Hugh Jack; Distinguished Professor; School of Engineering & Technology; PHD, Foreign Institution, 1994; MES, Foreign Institution, 1991; BS, Foreign Institution, 1988; *Year of Appointment:* 2015.

Myron Moses Jackson; Assistant Professor; Philosophy

& Religion; PHD, Southern Illinois Univ Carb, 2013; MA, Southern Illinois Univ Carb, 2010; BA, Southern Illinois Univ Carb, 2004; *Year of Appointment*: 2021.

Sarah Louise Jackson; Assistant Professor; Criminology & Criminal Justice; PHD, Univ South Carolina Columbia*, 2023; MS, Southern IL Univ Edwardsville, 2016; BA, McKendree University, 2013; *Year of Appointment*: 2023.

Kathy M. Jaqua; Professor; Mathematics & Computer Science; PHD, Washington State Univ, 1994; MS, Oregon State University, 1990; BS, East Tennessee State Univ, 1981; *Year of Appointment*: 1994.

Wonsok Frank Jee; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Temple University, 2019; MS, New York University, 2012; BS, Foreign Institution, 2010; *Year of Appointment*: 2020.

Ian MacDonald Jeffress; Associate Professor; School of Music; DMA, Univ South Carolina Columbia*, 2013; MM, Ithaca College, 2004; BM, Furman University, 2002; *Year of Appointment*: 2007.

Tony Raymond Jehi; SS Adjunct; School of Health Sciences; DPH,

Loma Linda University, 2019; *Year of Appointment*: 2022.

Alesia Christine Jennings; Associate Instructor; Chemistry & Physics; PHD, University of Akron, 2009; BS, Notre Dame College Ohio, 2006; *Year of Appointment*: 2015.

Charles Christopher Johnson; Assistant Professor; Mathematics & Computer Science; PHD, Clemson University, 2014; *Year of Appointment*: 2006.

Christa Conner Johnson; Instructor; Mathematics & Computer Science; MS, Clemson University, 2012; BS, Western Carolina University, 2008; *Year of Appointment*: 2015.

James Nathaniel Johnson; Associate Professor; Econ, Mgt, Proj Mgt; PHD, Washington State Univ, 2013; MPA, Univ of Tennessee, Knoxville*, 2002; BS, Univ of Tennessee, Knoxville*, 1999; *Year of Appointment*: 2013.

Steven Lloyd Johnson; Associate Instructor; School of Health Sciences; *Year of Appointment*: 2023.

Julie Tracey Johnson-Busbin; Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; BSBA, Southeastern Louisiana Univ, 1996;

MS, Georgia State University, 1996; PHD, Georgia State University, 1996; *Year of Appointment*: 1996.

Amanda Raenae Jones; SS Adjunct; School of Health Sciences; MHS, Western Carolina University, 2013; BS, Western Carolina University, 2007; *Year of Appointment*: 2015.

Jeremy Brian Jones; Associate Professor; English Studies; MFA, University of Iowa, 2009; BA, Elon University, 2004; *Year of Appointment*: 2013.

Joshua David Jones; Clinical Assistant Professor; Physical Therapy; DPT, Western Carolina University, 2015; BS, Bryan College, 2011; *Year of Appointment*: 2021.

Robert Anthony Jones; SS Adjunct; Philosophy & Religion; MA, Georgia State University, 2014; BA, Ohio State Univ Columbus, 2011; *Year of Appointment*: 2019.

David Lee Jons; Instructor; World Languages; MA, University of Georgia, Athens*, 2006; *Year of Appointment*: 2020.

Karen L. Kandl; Associate Instructor; Biology; PHD, University of Georgia, Athens*, 1996; BA, Knox College, 1988; *Year of Appointment*: 2008.

Yee Kao; Associate Professor; Chemistry & Physics; PHD, VA Polytech Inst & State Univ, 2010; BS, Foreign Institution, 2003; *Year of Appointment:* 2010.

William Alexander Kapakos; Associate Instructor; Acct, Fin, Info Sys, Bus Law; MBA, UNC at Greensboro, 2014; BSBA, Western Carolina University, 2010; *Year of Appointment:* 2016.

Elizabeth Runnion Kapel; Associate Prof/OSC Liaison; Access, Research & Instruction Srvc; MLIS, University of Pittsburgh, 2013; *Year of Appointment:* 2016.

Berna Karayaka; Associate Instructor; Chemistry & Physics; MS, Foreign Institution, 1996; BS, Foreign Institution, 1993; *Year of Appointment:* 2013.

Hayrettin Bora Karayaka; Professor; School of Engineering & Technology; PHD, Ohio State Univ Columbus, 2000; MS, Foreign Institution, 1990; BS, Foreign Institution, 1987; *Year of Appointment:* 2012.

Kayleigh Nicole Kassel; Language Arts Teacher Leader; Lab School; MAED, Western Carolina University, 2019; *Year of Appointment:* 2016.

Robert W Kehrberg; SS Adjunct; School of

Music; PHD, Univ Northrn Colorado, 1983; BM, University of Iowa, 1968; MM, University of Iowa, 1967; *Year of Appointment:* 1987.

Kate Maureen Kelleher; Instructor; Comm Sciences & Disorders; MA, Appalachian State University, 2006; BS, Appalachian State University, 2004; *Year of Appointment:* 2022.

Kelly Renee Kelley; Professor/UP Coord; School of Teaching and Learning; PHD, UNC at Charlotte, 2011; MA, Western Carolina University, 2006; BS, Western Carolina University, 2003; *Year of Appointment:* 2006.

John William Kennedy; Assistant Professor; English Studies; PHD, Cornell University, 2023; MA, Cornell University, 2021; MFA, University of Pittsburgh, 2018; BA, Temple University, 2012; *Year of Appointment:* 2023.

Justin Leo Kennedy; Assistant Professor; School of Music; DMA, Arizona State University-Tempe, 2016; MM, Calif St Univ Long Beach, 2013; BM, Chicago City-Wide College, 2010; *Year of Appointment:* 2018.

Justin Morgan Kennedy; Associate Professor; School of Art & Design; MFA,

Virginia Commonwealth Univ, 2000; BA, George Mason University, 1997; *Year of Appointment:* 2013.

Zahra Keshavarz; Assistant Professor; School of Music; DMA, University of Utah, 2022; MM, Univ Missouri Columbia*, 2018; MM, Foreign Institution, 2013; BA, Foreign Institution, 2011; *Year of Appointment:* 2023.

Douglas Robert Keskula; Professor; Office, Dean, Health & Human Sci; PHD, University of Virginia, 1993; *Year of Appointment:* 2013.

Namhee Kim; Assistant Professor; School of Engineering & Technology; PHD, Texas A&M University, 2019; *Year of Appointment:* 2023.

Janice Cowan King; Principal Fellows Executive Coach; Human Services; EDD, Western Carolina University, 2016; MA, Gardner-Webb University, 2006; BSED, Western Carolina University, 1992; *Year of Appointment:* 2016.

David Andrew Kinner; Dean Coll of Arts & Sciences; Office, Dean, Arts & Sciences; PHD, Univ of Colorado at Boulder*, 2003; MS, Univ of Colorado at Boulder*, 1999; BA, Amherst College,

1996; *Year of Appointment*: 2006.

Brent Kinser;

Professor; English Studies; PHD, UNC at Chapel Hill, 2005; MA, Illinois State University, 2000; BA, Illinois State University, 1998; *Year of Appointment*: 2005.

Jessica Kirby;

Teaching Assistant Professor; School of Health Sciences; EDD, Ball State University, 2019; *Year of Appointment*: 2020.

James Kevin

Kirkpatrick; Studio Tech/Inst; School of Art & Design; MFA, Bard College, 1992; BFA, Western Carolina University, 1988; *Year of Appointment*: 2005.

Heather Catherine

Kissack; SS Adjunct; Human Services; MS, Northeastern State University, 2005; BA, University of Oklahoma, Norman, 2003; *Year of Appointment*: 2023.

Brian Donald

Klooppel; Professor; Geosciences & Natural Resources; PHD, Univ Wisconsin*, 1998; MS, Penn State Univ- Univ Park, 1992; BS, Univ Wisconsin*, 1989; *Year of Appointment*: 2008.

Stephen Kniss;

Assistant Professor - Practice; School of Stage & Screen; MFA, DePaul University, 2019; BA, Eastern Mennonite University,

2011; *Year of Appointment*: 2023.

Mary Colleen

Knowlton; ABSN Program Director/Associate Professor; School of Nursing; DNP, Case Western Reserve Univ, 2010; MS, Duke University, 1999; BS, Marquette University, 1993; *Year of Appointment*: 2010.

William C.

Kreahling; Associate Professor; Mathematics & Computer Science; PHD, Florida State University, 2005; MS, Appalachian State University, 1999; BS, Appalachian State University, 1996; *Year of Appointment*: 2005.

Taya Christine

Kretz-Notelle; Assistant Director CRNA; School of Nursing; DNP, Medical University SC, 2022; MS, Keiser Univ, Fort Lauderdale, 2012; BSN, South University Al, 2009; ASN, Purdue University, Main Campus, 2002; *Year of Appointment*: 2023.

William R Kwochka;

Professor; Chemistry & Physics; PHD, NC State University at Raleigh, 1992; BA, Grinnell College, 1983; *Year of Appointment*: 1994.

Mary Anna

LaFratta; Professor; School of Art & Design; MFA, Virginia Commonwealth Univ,

1984; BFA, Virginia Commonwealth Univ, 1978; *Year of Appointment*: 2008.

Jonathan Jacob

LaTourelle; Instructor; Philosophy & Religion; *Year of Appointment*: 2023.

Ronald E. Laboray;

Professor/Sch of Art & Design Int Dir; School of Art & Design; MFA, Washington Univ in St. Louis, 2000; BFA, Univ Illinois Urbana-Champaign, 1994; *Year of Appointment*: 2011.

Leonidas Fernando

Lagrimas; Assistant Professor; School of Music; PHD, Florida State University, 2016; *Year of Appointment*: 2021.

Robert J Lahm;

Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Georgia State University, 1999; MS, Georgia State University, 1994; BS, Kean University, 1985; *Year of Appointment*: 2008.

Marco Lam;

Associate Professor; Acct, Fin, Info Sys, Bus Law; PHD, Univ of Alabama, Tuscaloosa*, 2008; MA, Univ of Alabama, Tuscaloosa*, 2005; MACC, Western Carolina University, 2002; BSED, Foreign Institution, 1997; *Year of Appointment*: 2014.

Candice White

Laney; Associate Professor of Practice;

School of Nursing; MSN, Western Carolina University, 2014; BSN, Western Carolina University, 2011; *Year of Appointment*: 2004.

Jeffrey K. Lawson; Dean Grad Sch & Res/Professor; Office of Dean Grad School Research; PHD, NC State University at Raleigh, 1994; MS, Univ of Colorado at Boulder*, 1988; BS, Georgia Institute Technology, 1985; *Year of Appointment*: 2005.

Jason William Ledford; Assistant Professor; School of Stage & Screen; MFA, Vermont College of Fine Arts, 2021; BFA, Western Carolina University, 2013; *Year of Appointment*: 2022.

Lisa J Lefler; Director Culturally Based Native Health Cert/Teaching Prof; Office, Dean, Health & Human Sci; PHD, Univ of Tennessee, Knoxville*, 1996; MA, Western Carolina University, 1988; BA, Appalachian State University, 1981; *Year of Appointment*: 2006.

William Ernest Lehman; Prof/Dept Head; World Languages; PHD, University of Florida, 2008; MA, University of Florida, 1997; BA, University of Florida, 1992; *Year of Appointment*: 2008.

Yu Lei; Assistant Professor; School of

Stage & Screen; MFA, Kent State University, Kent, 2016; BA, Foreign Institution, 2013; *Year of Appointment*: 2018.

Siham Lekchiri; Associate Professor; Human Services; PHD, Indiana State University, 2017; MS, Indiana State University, 2012; BS, Foreign Institution, 2008; *Year of Appointment*: 2016.

Laura Setzer Lembeck; Associate Instructor; Mathematics & Computer Science; MS, Florida Atlantic University, 2006; MS, Florida State University, 2006; BS, Western Carolina University, 1983; BSED, Western Carolina University, 1982; *Year of Appointment*: 2014.

Michael William Lenz; Instructor; Political Science & Public Affairs; PHD, Univ of Massachusetts-Amherst*, 2010; MA, Univ of Massachusetts-Amherst*, 2008; BA, Univ of Massachusetts-Amherst*, 2005; *Year of Appointment*: 2022.

Yang Li; Instructor; World Languages; MA, Foreign Institution, 2020; BA, Foreign Institution, 2017; *Year of Appointment*: 2023.

Brenda L Lilly; Assistant Professor of

Practice; School of Stage & Screen; BFA, UNC at Greensboro, 1974; *Year of Appointment*: 2012.

Luiz Felipe Lima Da Silveira; Assistant Professor; Biology; PHD, Foreign Institution, 2018; MS, Foreign Institution, 2013; BS, Foreign Institution, 2010; *Year of Appointment*: 2019.

Kristina Suzanna Lind; Associate Professor; Social Work; PHD, Loyola Univ Chicago, 2012; MSW, University of Chicago, 1976; *Year of Appointment*: 2023.

Jane R. Livingstone; Professor; Acct, Fin, Info Sys, Bus Law; PHD, Penn State Univ-Park, 1998; MAC, VA Polytech Inst & State Univ, 1988; BS, Syracuse University, 1982; *Year of Appointment*: 2005.

Kae Livsey; Prof/Dir Com Rel & Schlp; School of Nursing; PHD, George Mason University, 2007; MPH, Emory University, 1993; BSN, UNC at Chapel Hill, 1985; *Year of Appointment*: 2013.

Deborah Rowe Logan; Teaching Assistant Professor; School of Health Sciences; MS, Clemson University, 2016; BS, Western Carolina University, 1999; *Year of Appointment*: 2016.

Kofi Lomotey; Bardo Distinguished Professor; Human Services; PHD, Stanford University, 1985; MA, Stanford University, 1981; MED, Cleveland State University, 1978; BA, Oberlin College, 1974; *Year of Appointment:* 2013.

Eileen Marie Loper; Assistant Professor of Practice; School of Nursing; DNP, Vanderbilt University, 2012; MS, Kent State University, Kent, 1992; BSN, Bowling Green State Univ, 1983; *Year of Appointment:* 2023.

Edward J Lopez; BBT Distinguished Professor; Econ, Mgt, Proj Mgt; PHD, George Mason University, 1997; MA, George Mason University, 1995; BS, Texas A&M University, 1992; *Year of Appointment:* 2012.

Mark L. Lord; Professor; Geosciences & Natural Resources; PHD, Univ North Dakota Grand Forks*, 1988; MS, Univ North Dakota Grand Forks*, 1984; BS, SUNY Cortland, 1981; *Year of Appointment:* 1998.

Nancy C. Luke; Associate Professor; School of Teaching and Learning; PHD, University of Georgia, Athens*, 2000; MA, Univ Nebraska Omaha, 1995; BS, University of Virginia, 1983; *Year of Appointment:* 2010.

Alexander S. Macaulay; Dept Head/Associate Professor; History; PHD, University of Georgia, Athens*, 2003; MA, Univ of Tennessee, Knoxville*, 1998; BA, Citadel Military College of SC, 1994; *Year of Appointment:* 2004.

Brona Gayle Maddox; Professor; School of Teaching and Learning; PHD, Univ of Tennessee, Knoxville*, 2001; MS, Univ of Tennessee, Knoxville*, 1997; MAED, Univ South Carolina Columbia*, 1992; BA, Carson-Newman University, 1991; *Year of Appointment:* 2006.

Lann Alvin Malesky; Professor; Psychology; PHD, University of Memphis, 2002; MS, Univ Southern Mississippi, 1998; BA, George Mason University, 1993; *Year of Appointment:* 2004.

William Austin Mandeville; SS Adjunct; School of Health Sciences; MHS, Western Carolina University, 2018; BS, Western Carolina University, 2014; *Year of Appointment:* 2018.

Thomas Luke Manget; Assistant Professor; History; PHD, University of Georgia, Athens*, 2017; MA, Western Carolina University, 2012; BS, Georgia

Institute Technology, 2003; *Year of Appointment:* 2023.

Jennifer Lynn Mantini; Instructor; Chemistry & Physics; MS, Miami University-Oxford, 2008; BS, College of Charleston, 2005; *Year of Appointment:* 2023.

Jessica Danielle Martin; RNPC Curriculum and Program Evaluation Specialist; School of Nursing; MS, Western Carolina University, 2013; BSN, Armstrong State University, 2007; *Year of Appointment:* 2016.

Susan Alta Martin; Assistant Professor - Practice; School of Art & Design; MFA, San Francisco Art Institute, 2010; BA, Univ Arizona, 1987; *Year of Appointment:* 2023.

Terry Joseph Martin; Associate Professor; School of Stage & Screen; MFA, Kent State University, Kent, 2017; BA, Wittenberg University, 1996; *Year of Appointment:* 2017.

Thomas Hanson Martin; Assoc Prof/Dept Head; Biology; PHD, NC State University at Raleigh, 1990; MS, East Tennessee State Univ, 1986; BS, Lincoln Memorial University, 1980; *Year of Appointment:* 2001.

Diane Lise Martinez; Associate Professor; English Studies; PHD, Utah State University,

2012; MA, New Mexico St Univ Las Cruces, 1993; BA, New Mexico St Univ Las Cruces, 1991; *Year of Appointment*: 2012.

Michael Lee Martinez; Assistant Professor; World Languages; PHD, Texas Tech University, 2018; MA, Univ Wisc Milwaukee, 2011; BA, Univ Wisc Milwaukee, 2008; *Year of Appointment*: 2023.

Karen A. Mason; Dept Head/Assoc Prof; Criminology & Criminal Justice; PHD, Univ of Tennessee, Knoxville*, 1999; MA, Univ of Tennessee, Knoxville*, 1995; BA, Lenoir-Rhyne University, 1992; BA, Lenoir-Rhyne University, 1992; *Year of Appointment*: 2005.

Joseph William Mathews; Associate Instructor; Biology; DVM, Auburn University, 1998; BS, Auburn University, 1994; BA, Washington Univ in St. Louis, 1991; *Year of Appointment*: 2010.

Katherine Gould Mathews; Professor; Biology; PHD, The Univ of Texas at Austin, 1997; BA, Harvard University, 1992; *Year of Appointment*: 2003.

Robert Gene Mayberry; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports

Mgt; PHD, Georgia State University, 2016; MS, Georgia State University, 2009; BBA, Georgia State University, 2007; *Year of Appointment*: 2023.

Michael Allan Mazarky; Visiting Instructor; Criminology & Criminal Justice; MS, University of Phoenix, 2008; *Year of Appointment*: 2022.

Seth J. McCormick; Associate Professor; School of Art & Design; PHD, Columbia Univ Columbia College, 2007; MA, Columbia Univ Columbia College, 2002; BA, Brown University, 1996; *Year of Appointment*: 2009.

Samuel Barak McGuire; Associate Instructor; History; PHD, University of Georgia, Athens*, 2015; MA, University of Kentucky, 2009; BA, Elon University, 2007; *Year of Appointment*: 2018.

Erin K. McNelis; Assoc Prof; Mathematics & Computer Science; PHD, Clemson University, 2002; MS, Clemson University, 1996; BS, College of Charleston, 1993; *Year of Appointment*: 2002.

Gregory S. McPherson; Assistant Professor of Practice; Office, Dean, Fine & Performing Art; MFA, Western Carolina University, 2006;

BFA, University of Georgia, Athens*, 1993; *Year of Appointment*: 2016.

Elizabeth G. McRae; Assoc Professor; History; PHD, University of Georgia, Athens*, 2003; MA, Western Carolina University, 1996; MAED, Marymount University, 1991; BA, Wake Forest University, 1989; *Year of Appointment*: 2000.

Melissa Rose Mecadon-Mann; Assistant Professor; Human Services; PHD, Auburn University, 2022; MAED, University of West Georgia, 2018; BM, Millikin University, 2008; *Year of Appointment*: 2022.

Jason Jacob Mehler; SS Adjunct; Physical Therapy; DPT, UNC at Chapel Hill, 2016; MS, Armstrong State University, 2000; BA, Transylvania University, 1996; *Year of Appointment*: 2019.

Justin Menickelli; Assoc Prof; School of Teaching and Learning; PHD, Louisiana St Univ A&M College, 2004; MAED, Western Carolina University, 1995; BS, SUNY Cortland, 1991; *Year of Appointment*: 1999.

Tracy Lucky Angmorkie Tawiah Mensah; Assistant Professor; History; PHD, Georgetown University, 2023; MA, Georgetown

University, 2019; BA, Foreign Institution, 2012; *Year of Appointment*: 2023.

Katharine Elizabeth Rand Mershon;

Assistant Professor; Philosophy & Religion; PHD, University of Chicago, 2018; *Year of Appointment*: 2021.

April Waddell

Messer; Assoc DH/Assistant Professor; School of Nursing; PHD, UNC at Greensboro, 2022; MSN, Western Carolina University, 2013; BSN, Western Carolina University, 2010; *Year of Appointment*: 2017.

Christina Lynn

Meyer-Jax; Associate Instructor; School of Health Sciences; MS, Health Sci-Chicago Med Sch, U , 2007; BS, Univ of Minnesota-Twin Cities, 1997; *Year of Appointment*: 2023.

Annie Bridges

Meyers; Assistant Professor of Practice; School of Nursing; MS, Western Carolina University, 2011; *Year of Appointment*: 2023.

Niall Guy Michelsen;

Professor; Political Science & Public Affairs; PHD, UNC at Chapel Hill, 1990; MA, UNC at Chapel Hill, 1984; BA, University of Chicago, 1976; *Year of Appointment*: 2001.

Emma Jenny Miller;

Instructor; Social

Work; MSW, Western Carolina University, 2012; BA, Binghamton University (SUNY), 1982; *Year of Appointment*: 2018.

Jerry R. Miller;

Distngshd Professor; Geosciences & Natural Resources; PHD, Southern Illinois Univ Carb, 1990; MS, Univ New Mexico Albuquerque, 1985; BS, Southern Illinois Univ Carb, 1982; *Year of Appointment*: 2000.

Miranda Darlene

Miller; Associate Instructor; English Studies; MA, Western Carolina University, 2017; BA, Carson-Newman University, 2015; *Year of Appointment*: 2019.

Monica Burrell

Miller; Associate Instructor; School of Teaching and Learning; MAED, Western Carolina University, 2008; BSED, Western Carolina University, 1995; *Year of Appointment*: 1996.

Stacey Radford

Miller; Dir Of Alumni Engagement; Alumni Engagement; *Year of Appointment*: 2010.

Heather Anne Mina;

Instructor; School of Teaching and Learning; MED, Wayne State University, 1999; MS, Wayne State University, 1998; BS, Wayne State University, 1995; *Year of Appointment*: 2022.

Sarah Emily Minnis;

Associate Professor; Human Services; PHD, Texas A&M University, 2014; MAE, Western Kentucky University, 1997; BA, Central Washington University, 1993; *Year of Appointment*: 2018.

John T. Morgan;

Associate Instructor; Criminology & Criminal Justice; JD, University of Georgia, Athens*, 1980; BBA, University of Georgia, Athens*, 1977; *Year of Appointment*: 2015.

Patricia M Morse;

Professor; Social Work; PHD, Tulane University, 1990; MSW, Tulane University, 1973; BA, Louisiana St Univ A&M College, 1972; *Year of Appointment*: 2007.

Hollye K. Moss;

Assoc Dean/Professor; Office of the Dean, Business; PHD, Clemson University, 2002; MBA, Wake Forest University, 1993; MS, Clemson University, 1985; BA, Converse University, 1983; *Year of Appointment*: 2002.

Sean E Mulholland;

CSFE Director; Econ, Mgt, Proj Mgt; PHD, Clemson University, 2004; MA, Clemson University, 2001; BS, Clemson University, 1997; *Year of Appointment*: 2016.

Jonathan Michael

Murphy; SS Adjunct;

Econ, Mgt, Proj Mgt; PHD, George Mason University, 2022; MA, George Mason University, 2018; *Year of Appointment*: 2022.

Timothy Alan Muth; Assistant Professor - Practice; School of Engineering & Technology; MS, Western Carolina University, 2016; BS, VA Polytech Inst & State Univ, 1984; *Year of Appointment*: 2023.

Munene F. Mwaniki; Associate Professor; Anthropology & Sociology; PHD, Univ Illinois Urbana-Champaign, 2014; MS, Miami University-Oxford, 2008; BS, Miami University-Oxford, 2006; *Year of Appointment*: 2014.

Erin M. Myers; Associate Professor; Psychology; PHD, Univ Southern Mississippi, 2010; MA, Univ Southern Mississippi, 2008; BS, Univ Southern Mississippi, 2006; *Year of Appointment*: 2010.

Kimberly Barber Myers; SS Adjunct; School of Health Sciences; PHD, Univ Nebraska Lincoln*, 2003; MHS, Western Carolina University, 2001; *Year of Appointment*: 2019.

Alexis Maurice Naar; Instructor; Econ, Mgt, Proj Mgt; MBA, East Carolina University, 2014; *Year of Appointment*: 2021.

Emily Diane Naser-Hall; Assistant Professor; English Studies; MA, Northwestern University, 2017; JD, DePaul University, 2012; BA, Tulane University, 2009; *Year of Appointment*: 2023.

Diana Elizabeth New; Associate Instructor; English Studies; MA, Western Carolina University, 2019; *Year of Appointment*: 2019.

Jeananne Blythe Nichols; Belk Distinguished Prof Music Ed; School of Music; DMA, Arizona State University-Tempe, 2006; *Year of Appointment*: 2022.

Brookely Sorrells Nicholson; SS Adjunct; Social Work; MSW, Western Carolina University, 2013; MSW, Western Carolina University, 2013; BSW, Appalachian State University, 2007; BSW, Appalachian State University, 2007; *Year of Appointment*: 2015.

Peter Paul Nieckarz; Associate Professor; Anthropology & Sociology; PHD, Western Michigan University, 1999; MA, Minnesota State Univ Mankato, 1996; BA, Lake Superior State University, 1993; *Year of Appointment*: 2001.

Candy Jo Noltensmeyer; Associate Professor; Communication; PHD,

Univ Missouri Columbia*, 2014; MA, Pittsburg State University, 2003; BA, Pittsburg State University, 2001; *Year of Appointment*: 2013.

Alison A. Norvell; Asst Prof/Coll Sgst&Res Acc Lb; Content Org and Mgt, eRes & Tech; MLIS, UNC at Greensboro, 2008; BA, UNC at Greensboro, 2003; *Year of Appointment*: 2022.

Matthew D O'Brien; Distinguished Professor; School of Stage & Screen; *Year of Appointment*: 2023.

Sean P. O'Connell; Associate Professor; Biology; PHD, Idaho State University, 2002; BS, Northern Vermont University, 1994; AS, Sullivan Co Cmty College, 1990; *Year of Appointment*: 2001.

Darlene O'Rourke; SS Adjunct; Ent, Hosp, Tourism, Mkt, Sports Mgt; MBA, Baker College, 2006; *Year of Appointment*: 2023.

Kathryn M Odom; CSD Department Head; Comm Sciences & Disorders; PHD, Univ South Carolina Columbia*, 2006; MS, Univ of Alabama, Tuscaloosa*, 2002; BA, Mercer University, Macon, 2000; *Year of Appointment*: 2008.

Billy T Ogletree; Distinguished Professor; Comm

Sciences & Disorders; PHD, Florida State University, 1988; MA, University of Memphis, 1981; BS, Univ Southern Mississippi, 1979; *Year of Appointment:* 1992.

Jillian Leana Ohl;

Asst Professor - Graphic Design; School of Art & Design; MFA, Washington Univ in St. Louis, 2022; BA, NC State University at Raleigh, 2014; *Year of Appointment:* 2023.

Kathleen Ollendick;

Clinical Assistant Professor; Physical Therapy; DPT, UNC at Chapel Hill, 2010; MPT, UNC at Chapel Hill, 2000; BS, Va Polytechnic Inst Tlnt Srch, 1998; *Year of Appointment:* 2017.

Yumiko Ono;

Associate Instructor; World Languages; EDD, Univ of New England-University, 2020; MA, Univ of Massachusetts-Amherst*, 2009; BA, Foreign Institution, 1996; BA, Foreign Institution, 1992; *Year of Appointment:* 2010.

Kadence Alexa Otto;

Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Florida State University, 2003; MS, Florida State University, 2000; BS, Plymouth State University, 1997; *Year of Appointment:* 2003.

Joshua Alan

Overbay; Prg Coord of SAS FTP, Associate

Professor; School of Stage & Screen; MFA, Regent University, 2010; BA, Trinity Intl U Coll Arts Sci, 2003; *Year of Appointment:* 2017.

Steven Parker Owens; Visiting

Instructor; Criminology & Criminal Justice; MA, American Public Univ System, 2008; BA, West Virginia State University, 2003; *Year of Appointment:* 2022.

Lori Fay Oxford;

Associate Dean/Professor; Office of the Dean, Honors; PHD, University of Georgia, Athens*, 2007; MA, Georgia State University, 2002; BA, Univ South Carolina Columbia*, 1998; *Year of Appointment:* 2008.

Herbert Justin Pace;

Assistant Professor; Acct, Fin, Info Sys, Bus Law; JD, Northwestern University, 2011; MACC, NC State University at Raleigh, 2005; BSBA, Western Carolina University, 2004; *Year of Appointment:* 2020.

Ronald Douglas

Parker; Assistant Professor; Acct, Fin, Info Sys, Bus Law; DBA, Univ Scranton, 2020; MACC, Western Carolina University, 2000; BSBA, Western Carolina University, 1999; *Year of Appointment:* 2017.

Charles T Parrish;

Sch Dir/Assoc Prof;

Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, George Mason University, 2014; MS, Georgia Southern University, 2007; BSED, Armstrong State University, 2002; *Year of Appointment:* 2014.

Sarah Parsons;

Assistant Professor; Geosciences & Natural Resources; PHD, NC State University at Raleigh, 2019; MS, Duke University, 2012; BA, Emory University, 2008; *Year of Appointment:* 2023.

Nicholas Vere

Passalacqua; Associate Professor; Anthropology & Sociology; PHD, Michigan State University, 2012; MA, Michigan State University, 2011; MS, Mercyhurst University, 2007; BA, Michigan State University, 2005; *Year of Appointment:* 2015.

Michael Trent

Penicni; Assistant Professor of Practice; School of Stage & Screen; MFA, UNC School of the Arts, 2018; BFA, UNC at Greensboro, 2015; AFA, Blue Ridge Cmty College, 2005; *Year of Appointment:* 2023.

Tamera L Pearson;

Professor; School of Nursing; PHD, Univ South Carolina Columbia*, 1997; *Year of Appointment:* 2008.

Joseph H. Pechmann;
Assoc Prof; Biology;
PHD, Duke
University, 1994; MS,
University of Georgia,
Athens*, 1981; BA,
Hamilton College Ny,
1976; *Year of
Appointment:* 2006.

Sarah Fish Pedonti;
Assistant Professor;
Human Services;
PHD, UNC at Chapel
Hill, 2022; MA,
Harvard University,
2009; *Year of
Appointment:* 2022.

William L Peebles;
Professor; School of
Music; DMA,
Michigan State
University, 1994; MM,
Michigan State
University, 1982;
MSW, Michigan State
University, 1980; BA,
Michigan State
University, 1979; *Year
of Appointment:* 1992.

**Undugodage Don
Nuwan T Perera;**
Assistant Professor;
Forensic Science;
PHD, Oklahoma State
University, 2015; BS,
Foreign Institution,
2006; BS, Foreign
Institution, 2006; *Year
of Appointment:* 2017.

**Robert Franklin
Perkins;** Teaching
Assistant Professor;
School of Teaching
and Learning; EDD,
West Virginia
University, 1989; *Year
of Appointment:* 2020.

April Lillian Perry;
Associate Prof/HS
Dept Head; Human
Services; PHD,
Foreign Institution,
2012; MAED,
University of Central

Oklahoma, 2007; BA,
University of Central
Oklahoma, 2005; *Year
of Appointment:* 2014.

Lane Graves Perry;
Assistant Professor;
Ent, Hosp, Tourism,
Mkt, Sports Mgt; ME,
Western Carolina
University, 2018;
PHD, Foreign
Institution, 2011;
MED, University of
Central Oklahoma,
2006; BBA, University
of Central Oklahoma,
2005; *Year of
Appointment:* 2012.

**Tara Danielle
Peterson;** CHHS Spec
(TMPT); School of
Health Sciences; EDD,
Northeastern
University, 2021; MS,
University of Florida,
2007; BS, Univ of
New England-
University, 2005; *Year
of Appointment:* 2013.

Eleanor A. Petrone;
Associate Professor;
English Studies; PHD,
UNC at Chapel Hill,
2009; MA, Columbia
Univ Columbia
College, 1995; BA,
Bard College, 1991;
Year of Appointment:
2011.

Adam Allan Phillips;
Instructor; School of
Teaching and
Learning; *Year of
Appointment:* 2005.

Robert Scott Pierce;
Associate Professor;
School of Engineering
& Technology; PHD,
Georgia Institute
Technology, 2003;
MSME, Georgia
Institute Technology,
1992; BSME, Georgia
Institute Technology,

1983; *Year of
Appointment:* 2015.

**Katherine Alice
Pincura;** Teaching
Assistant Professor;
School of Health
Sciences; DRPH,
Georgia Southern
University, 2020;
MPH, Armstrong State
University, 2014; MA,
Adler University,
2010; BS, University
of Georgia, Athens*,
2008; *Year of
Appointment:* 2020.

**Holly Henderson
Pinter;** Associate
Professor; School of
Teaching and
Learning; PHD,
University of Virginia,
2013; MAED, Western
Carolina University,
2009; BS, Western
Carolina University,
2005; *Year of
Appointment:* 2012.

**Aaron William
Plantenberg;**
Instructor; Social
Work; MSW, Western
Carolina University,
2015; *Year of
Appointment:* 2018.

**Laura Ann
Plantenberg;**
Instructor/Health Svcs
Coord; School of
Teaching and
Learning; MSN,
Western Carolina
University, 2019;
BSN, Univ Wisc
Oshkosh, 2007; *Year
of Appointment:* 2017.

Tatiana Potts;
Assistant Prof of
Practice; School of Art
& Design; MFA, Univ
of Tennessee,
Knoxville*, 2016;
BFA, Univ North
Carolina Asheville,

2012; BA, Clemson University, 2004; *Year of Appointment*: 2022.

Malcolm Reid

Powell; Professor; Biology; PHD, University of Georgia, Athens*, 1982; MA, Wake Forest University, 1979; BA, Wake Forest University, 1976; *Year of Appointment*: 2003.

Roslynn Arnesia

Powell; Assistant Professor - Practice; Human Services; *Year of Appointment*: 2023.

Jenna Lee Powers;

Assistant Professor; Social Work; PHD, University of Connecticut, 2023; MSW, Univ of New England-University, 2014; BA, Warren Wilson College, 2009; *Year of Appointment*: 2023.

Sheila Cothren Price;

Assistant Professor of Practice; School of Nursing; MS, Western Carolina University, 1989; BS, UNC at Greensboro, 1977; *Year of Appointment*: 2015.

Amy Wells Putnam;

Assistant Professor of Practice; School of Nursing; DNP, American Sentinel University, 2019; MS, Western Carolina University, 2007; BSN, Western Carolina University, 1997; *Year of Appointment*: 2005.

Emily Hope Querin;

Assistant Professor - Practice; School of

Nursing; MSN, Western Carolina University, 2021; BSN, Western Carolina University, 2016; BA, Univ North Carolina Asheville, 2011; *Year of Appointment*: 2022.

Charles Scott Rader;

Associate Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ of Tennessee, Knoxville*, 2009; MBA, Univ of Tennessee, Knoxville*, 2004; BA, SUNY Purchase College, 2001; *Year of Appointment*: 2011.

Nora Elizabeth

Radway Moore; Instructor; Communication; MA, West Virginia University, 2019; *Year of Appointment*: 2022.

Brian E Railsback;

Professor; English Studies; PHD, Ohio University, Athens, 1990; MA, Ohio University, Athens, 1985; BS, Calif Polytechnic State Univ, 1982; *Year of Appointment*: 1990.

Sanjay Rajagopal;

Professor; Acct, Fin, Info Sys, Bus Law; DBA, Mississippi State University, 1997; MBA, Western Carolina University, 1990; MA, Foreign Institution, 1988; BA, Foreign Institution, 1985; *Year of Appointment*: 2007.

Joshua William

Rakower; Assistant Professor; Access,

Research & Instruction Srvc; EDM, University at Buffalo, SUNY, 2015; MLS, University at Buffalo, SUNY, 2015; *Year of Appointment*: 2019.

Ronald Vincent

Rash; Distngshd Professor; English Studies; MA, Clemson University, 1979; BA, Gardner-Webb University, 1976; *Year of Appointment*: 2003.

Aaron Hugh

Ratcliffe; Associate Professor; Econ, Mgt, Proj Mgt; PHD, UNC at Chapel Hill, 2013; MS, UNC at Chapel Hill, 2008; BS, UNC at Chapel Hill, 2007; *Year of Appointment*: 2023.

Matthew J. Rave;

Associate Professor; Chemistry & Physics; PHD, Wake Forest University, 2007; MS, Wake Forest University, 1991; BA, Wake Forest University, 1990; *Year of Appointment*: 2007.

Anne Elizabeth

Reinert; Assistant Professor of Practice; School of Nursing; MSN, UNC at Chapel Hill, 2015; AAS, Southwestern Cmty College, NC, 2003; *Year of Appointment*: 2021.

Clark Bradford

Reisinger; Associate Instructor; English Studies; MA, Western Carolina University, 2010; BA, Samford University, 2001; *Year of Appointment*: 2012.

Christina L Reitz; Professor; School of Music; PHD, University of Florida, 2007; MM, University of Florida, 2002; BM, Youngstown State University, 2000; *Year of Appointment:* 2008.

Tracie Kim Rice; Professor of Practice/Clinic Director; Comm Sciences & Disorders; PHD, University of Florida, 2002; MA, Univ of Tennessee, Knoxville*, 1999; BS, Western Carolina University, 1997; *Year of Appointment:* 2000.

Brett High Riggs; Sequoyah Distinguished Prof; Anthropology & Sociology; PHD, Univ of Tennessee, Knoxville*, 1999; MA, Univ of Tennessee, Knoxville*, 1987; BA, Wake Forest University, 1979; *Year of Appointment:* 2001.

Heather Nicole Symon Rimes; Associate Prof/MPA Director; Political Science & Public Affairs; PHD, University of Georgia, Athens*, 2015; MPAD, University of South Alabama, 2011; *Year of Appointment:* 2015.

Geraldine Dail Riouff; Instructor; School of Health Sciences; MPM, Western Carolina University, 2007; BS, Western Carolina University, 2000; *Year of Appointment:* 2001.

Andrew Paul Ritenour; Assistant Professor; School of Engineering & Technology; PHD, Mass Institute Technology, 2007; *Year of Appointment:* 2018.

Lisen Christina Roberts; Associate Professor; Human Services; PHD, Univ of Tennessee, Knoxville*, 1997; MED, Keene State College, 1993; BS, Keene State College, 1989; *Year of Appointment:* 1997.

Eve Bernier Rock; Instructor; World Languages; MA, Foreign Institution, 2019; BA, Foreign Institution, 2013; *Year of Appointment:* 2022.

Aimee Pauline Rockhill; Associate Professor; Geosciences & Natural Resources; PHD, NC State University at Raleigh, 2013; MS, NC State University at Raleigh, 2008; BS, Foreign Institution, 1998; *Year of Appointment:* 2016.

Carrie Barnes Rogers; Professor; School of Teaching and Learning; MA, Univ Saint Thomas Mn, 2003; BA, St. Catherine University, 1996; *Year of Appointment:* 2010.

Courtney Bramblett Rogers; Assistant Professor; Psychology; PHD, UNC at Charlotte, 2021; MS, Appalachian State

University, 2016; BA, Lee University, 2012; *Year of Appointment:* 2023.

Loidaly G Rosario-Singer; Assistant Professor; Human Services; PHD, Univ of Tennessee, Knoxville*, 2021; MA, Florida International Univ, 2016; BS, Florida International Univ, 2013; *Year of Appointment:* 2021.

Amy Janice Rose; Assoc Dept Head/Assoc Prof; Comm Sciences & Disorders; PHD, UNC at Greensboro, 2015; MA, Central Michigan University, 1988; BS, Central Michigan University, 1987; *Year of Appointment:* 2000.

Terry Denise Rose; Assistant Professor; School of Teaching and Learning; EDD, Univ of Tennessee, Knoxville*, 1991; MS, Univ of Tennessee, Knoxville*, 1987; BS, Univ of Tennessee, Knoxville*, 1981; BS, Univ of Tennessee, Knoxville*, 1981; *Year of Appointment:* 1992.

Alysia Erin Ross; Instructor; World Languages; MS, University of Louisville, 2011; MA, University of Louisville, 2007; BA, Earlham College, 2002; *Year of Appointment:* 2019.

Jason Rekus Ross; Assistant Professor; Econ, Mgt, Proj Mgt;

PHD, University of Kentucky, 2022; MBA, Eastern Kentucky University, 2012; BS, Eastern Kentucky University, 2008; *Year of Appointment*: 2023.

Nathan P. Roth; Associate Professor; Psychology; PHD, University of Kentucky, 2009; MA, Western Carolina University, 2005; BS, Baldwin Wallace Univ, 2003; *Year of Appointment*: 2015.

Travis Allen Rountree; Assistant Professor; English Studies; PHD, University of Louisville, 2017; *Year of Appointment*: 2019.

Scott Christian Rowe; Assistant Professor; School of Engineering & Technology; PHD, Univ of Colorado at Boulder*, 2018; MS, Univ of Colorado at Boulder*, 2015; BS, The Univ of Texas at Austin, 2013; MS, Univ Calif Berkeley, 2009; *Year of Appointment*: 2021.

Brandon Charles Rupinski; Associate Instructor; Mathematics & Computer Science; MS, Western Carolina University, 2012; BS, Western Carolina University, 2011; *Year of Appointment*: 2019.

Charmion Briana Rush; Associate Professor; School of Teaching and Learning; PHD, UNC

at Greensboro, 2012; *Year of Appointment*: 2015.

Charles Vincent Russell; Assistant Professor; Communication; PHD, Univ of Colorado at Boulder*, 2021; MA, UNC at Greensboro, 2017; BA, UNC at Greensboro, 2011; *Year of Appointment*: 2021.

Meredith Kristianne Saba; ARIS Department Head/Assistant Professor; Access, Research & Instruction Srvc; *Year of Appointment*: 2023.

Gauhar Sahib; Assistant Professor; Kimmel School of Construction Mngmt; DENG, Univ New Mexico Albuquerque, 2019; *Year of Appointment*: 2020.

Subhshri Sahu; Assistant Professor; Biology; PHD, Foreign Institution, 2014; *Year of Appointment*: 2023.

Kenneth James Sanney; Dir/Acct, Fin, Info Sys, Bus Law; Acct, Fin, Info Sys, Bus Law; JD, Vanderbilt University, 2002; MTS, Vanderbilt University, 2002; BS, Central Michigan University, 1998; *Year of Appointment*: 2018.

Gloria Nadejda Sapounova; Assistant Professor; Acct, Fin, Info Sys, Bus Law; PHD, University of

North Texas, 2023; BSBA, Lakeland University, 2005; *Year of Appointment*: 2023.

Rebecca Lee Saunders; Asst Prof/Cataloging Librarian; Content Org and Mgt, eRes & Tech; MALS, Univ South Carolina Columbia*, 2019; *Year of Appointment*: 2021.

Peter G. Savage; Assistant Professor; School of Stage & Screen; MFA, UNC at Chapel Hill, 2001; BA, University of Montana, 1998; *Year of Appointment*: 2006.

Roya Qualls Scales; Professor; School of Teaching and Learning; PHD, UNC at Greensboro, 2009; MED, Gardner-Webb University, 1999; BSED, UNC at Greensboro, 1993; *Year of Appointment*: 2009.

William David Scales; Associate Instructor; Psychology; MS, UNC at Greensboro, 2008; BA, Univ New Mexico Albuquerque, 1997; *Year of Appointment*: 2012.

Bryan Stuart Schaffer; Assistant Professor; Econ, Mgt, Proj Mgt; PHD, University of Georgia, Athens*, 2003; MBA, Georgia State University, 1989; BSBA, University of Florida, 1987; *Year of Appointment*: 2011.

Michael Schallock; Professor; School of Music; PHD, UNC at Greensboro, 2004; MM, Ohio State Univ Columbus, 1984; BME, Univ Southern Mississippi, 1982; *Year of Appointment:* 2003.

Jennifer Slama

Schiff; Professor/Director of Liberal Studies Assessment; Political Science & Public Affairs; PHD, Old Dominion University, 2010; MA, Cleveland State University, 2001; BA, University of Virginia, 1997; *Year of Appointment:* 2010.

Krista D. Schmidt;

Prof/Asst Dept Head; Access, Research & Instruction Srvc; MSLS, UNC at Chapel Hill, 2002; *Year of Appointment:* 2003.

Shane DeGennaro

Schoepfer; Associate Professor; Geosciences & Natural Resources; PHD, Univ of Washington, Seattle, 2014; BA, Brown University, 2009; MS, Brown University, 2009; *Year of Appointment:* 2017.

Lori A. Schrodt;

Professor; Physical Therapy; PHD, UNC at Chapel Hill, 2005; MS, UNC at Chapel Hill, 2000; BS, Ithaca College, 1992; *Year of Appointment:* 2004.

Callie Spencer

Schultz; Associate Professor; Human Services; PHD, University of Utah, 2014; MA, Foreign

Institution, 2009; BA, University of Virginia, 2005; *Year of Appointment:* 2017.

Jeremy Ryan

Schultz; Assistant Professor; Human Services; PHD, University of Utah, 2013; MS, Univ Wisc La Crosse, 2008; BS, Univ Wisc La Crosse, 2003; *Year of Appointment:* 2019.

Andrew Simon Scott;

Associate Professor; Mathematics & Computer Science; PHD, Foreign Institution, 2010; BS, Foreign Institution, 2005; *Year of Appointment:* 2013.

John Edward

Seefeldt; Associate Professor; School of Art & Design; MFA, Western Carolina University, 2013; *Year of Appointment:* 2020.

Ophir P Sefiha;

Associate Professor; Criminology & Criminal Justice; PHD, Arizona State University-Tempe, 2010; MA, Northern Arizona University, 2003; BS, Northern Arizona University, 1998; *Year of Appointment:* 2013.

Elizabeth Hilliard

Sexton; Assistant Prof of Practice; School of Nursing; MSN, Western Carolina University, 2011; BSN, Emory University, 1981; *Year of Appointment:* 2011.

JoBeth Surface

Shafran; Assistant

Professor; Political Science & Public Affairs; PHD, The Univ of Texas at Austin, 2015; MA, The Univ of Texas at Austin, 2011; *Year of Appointment:* 2016.

Anjana R. Sharma;

Associate Instructor; Biology; PHD, Univ of Tennessee, Knoxville*, 2003; MS, Univ of Tennessee, Knoxville*, 1999; MS, Foreign Institution, 1995; BS, Foreign Institution, 1993; *Year of Appointment:* 2004.

Tamra Leigh Shea;

Assistant Professor of Practice; School of Nursing; PHD, UNC at Greensboro, 2018; MSN, Western Carolina University, 2013; BS, St Marys College Ind, 1998; *Year of Appointment:* 2018.

Francine Hebert

Sheppard; Assistant Professor; School of Nursing; PHD, UNC at Greensboro, 2016; MSN, Gardner-Webb University, 2013; AS, Gardner-Webb University, 2010; BS, Northwestern State Univ of LA, 1989; *Year of Appointment:* 2019.

John James

Sherlock; Professor; Human Services; EDD, George Washington University, 2000; MBA, Univ Maryland College Park*, 1988; MBA, Univ Maryland College Park*, 1988; BS, James Madison

University, 1982; *Year of Appointment*: 2002.

Michael J Shick;
Assistant Professor;
Econ, Mgt, Proj Mgt;
Year of Appointment:
2023.

Ellen Sigler;
Associate Professor;
Psychology; EDD,
Texas Tech
University, 1997; MS,
Southern New
Hampshire Univ,
1990; BS, Tulane
University, 1984; *Year
of Appointment*: 2009.

**Josephine Crolley
Simic**; Associate
Professor; Social
Work; PHD,
University of Georgia,
Athens*, 2006; MSW,
University of Georgia,
Athens*, 1994; BS,
Kennesaw State
University, 1990; *Year
of Appointment*: 2006.

**Tammy Marie
Simmons**; Clinical
Assistant Professor;
Physical Therapy;
DHSC, Univ
Indianapolis, 2017;
MS, Univ
Indianapolis, 1995;
BS, Ohio State Univ
Columbus, 1986; *Year
of Appointment*: 2019.

Damon W Sink;
Associate Professor;
School of Music;
DMA, University of
Cincinnati, 2007; MM,
University of
Cincinnati, 1995; BM,
University of
Cincinnati, 1992; *Year
of Appointment*: 2012.

**Alyssa Ferrell
Sinyard**; Associate
Instructor; School of
Teaching and

Learning; MED,
Auburn University,
1988; BS, Auburn
University, 1987; *Year
of Appointment*: 2016.

Donald L Sinyard;
Instructor; School of
Teaching and
Learning; MPT,
Western Carolina
University, 1999;
MAED, Auburn
University, 1988; BS,
Auburn University,
1986; *Year of
Appointment*: 2018.

**Maggie Marie Skeens
Skiscim**; Instructor;
Criminology &
Criminal Justice; MA,
East Tennessee State
Univ, 2009; BS, East
Tennessee State Univ,
2007; *Year of
Appointment*: 2016.

David Francis Smith;
Associate Professor;
Acct. Fin, Info Sys,
Bus Law; PHD, North
Central University,
2016; MS, Amer Coll
Financial Services,
2003; MS, Amer Coll
Financial Services,
2001; *Year of
Appointment*: 2023.

**Melissa Marty
Snyder**; Associate
Professor; School of
Health Sciences; PHD,
UNC at Greensboro,
2010; MS, UNC at
Greensboro, 2004; BS,
Univ Wisc La Crosse,
2002; *Year of
Appointment*: 2014.

**David Travis
Solomon**; Associate
Professor; Psychology;
PHD, Central
Michigan University,
2017; MA, Western
Carolina University,
2012; BA, UNC at

Charlotte, 2008; *Year
of Appointment*: 2017.

Katerina Spasovska;
Associate Professor;
Communication; PHD,
Univ of Tennessee,
Knoxville*, 2011;
MA, Univ Missouri
Columbia*, 2000; BA,
Foreign Institution,
1995; *Year of
Appointment*: 2010.

**Thomas Whitney
Spendlove**; Assistant
Professor; School of
Engineering &
Technology; MS,
Rensselaer Poly
Institute, 2001; BS,
Kettering University,
1995; *Year of
Appointment*: 2021.

Emily Sue Stafford;
Associate
Instructor/Lab
Equipment
Coordinator;
Geosciences & Natural
Resources; PHD,
Foreign Institution,
2015; MS, Foreign
Institution, 2010; *Year
of Appointment*: 2015.

Richard D Starnes;
Provost/VC for Acad
Affrs; Office of the
Provost; PHD, Auburn
University, 1999; MA,
Western Carolina
University, 1994; BS,
Western Carolina
University, 1992; *Year
of Appointment*: 2000.

**Benjamin Allen
Steere**; Associate
Professor;
Anthropology &
Sociology; PHD,
University of Georgia,
Athens*, 2011; *Year of
Appointment*: 2015.

Robert E. Steffen;
Associate Professor;

Kimmel School of Construction Mngmt; PHD, Georgia Institute of Technology, 1998; MCE, Georgia Institute Technology, 1996; BCE, Georgia Institute Technology, 1993; *Year of Appointment*: 2011.

Sarah King Steiner; DH/Res & Inst Librarian; Access, Research & Instruction Srvs; MA, Georgia State University, 2011; MA, University of South Florida, 2004; BA, University of South Florida, 2002; *Year of Appointment*: 2014.

Wesley L. Stone; Depart Head/Director; School of Engineering & Technology; PHD, Georgia Institute Technology, 2003; MS, Pennsylvania St Univ Univ Park, 1996; BS, The Univ of Texas at Austin, 1988; *Year of Appointment*: 2004.

Victor Paul Stonehouse; Assistant Professor; Human Services; PHD, International College, 2012; *Year of Appointment*: 2021.

Amanda Rhea Storm; Assistant Professor; Biology; PHD, Miami University-Oxford, 2013; BS, Central State University, OH, 2008; *Year of Appointment*: 2017.

Amy Jo Stringer; Assistant Professor; School of Teaching and Learning; PHD, UNC at Greensboro,

2004; MSED, Michigan State University, 1995; BS, University of Toledo, 1987; *Year of Appointment*: 2017.

Adrienne Stuckey; Associate Professor; School of Teaching and Learning; PHD, Georgia State University, 2015; MAED, VA Polytech Inst & State Univ, 1999; *Year of Appointment*: 2015.

Diane Marie Styers; Dept Head/Assoc Prof; Geosciences & Natural Resources; PHD, Auburn University, 2008; MA, Georgia State University, 2005; BS, UNC at Greensboro, 1997; *Year of Appointment*: 2011.

SungJoon Suk; Associate Professor; Kimmel School of Construction Mngmt; PHD, The Univ of Texas at Austin, 2012; MS, Foreign Institution, 2006; BS, Foreign Institution, 1995; *Year of Appointment*: 2012.

Jessica Irene Swigger; Associate Professor; History; PHD, The Univ of Texas at Austin, 2008; MA, The Univ of Texas at Austin, 2002; BA, The Univ of Texas at Austin, 1998; *Year of Appointment*: 2008.

Vicki Ellen Szabo; Professor; History; PHD, Cornell University, 2000; MA, Cornell University,

1996; BA, Kalamazoo College, 1992; *Year of Appointment*: 2001.

Zsolt Szabo; Associate Professor; School of Music; DMA, University of Iowa, 2016; MM, Western Illinois University, 2007; BM, Foreign Institution, 2005; *Year of Appointment*: 2014.

Martin L. Tanaka; Professor; School of Engineering & Technology; PHD, VA Polytech Inst & State Univ, 2008; MS, VA Polytech Inst & State Univ, 1993; BS, NC State University at Raleigh, 1992; *Year of Appointment*: 2010.

Erin Elizabeth Tapley; Professor; School of Art & Design; PHD, University of Iowa, 1997; MFA, Univ of Alabama, Tuscaloosa*, 1994; BS, Skidmore College, 1991; *Year of Appointment*: 2005.

Peter Chain Tay; Professor; School of Engineering & Technology; PHD, University of Oklahoma, Norman, 2003; MA, University of Oklahoma, Norman, 1995; BS, University of Oklahoma, Norman, 1990; *Year of Appointment*: 2007.

Mary Teslow; SS Adjunct; School of Health Sciences; MLIS, University of South Florida, 1994; BS, Univ Illinois Chicago, 1981; BS,

Governors State University, 1976; *Year of Appointment*: 2003.

Adam James Richard Thomas; Assistant Professor; History; PHD, Univ of California Irvine, 2016; *Year of Appointment*: 2019.

Minu Sara Thomas; Assistant Professor; School of Health Sciences; MS, Foreign Institution, 2010; BS, Foreign Institution, 2007; *Year of Appointment*: 2023.

Amber Cole Thompson; Associate Professor of Practice; School of Engineering & Technology; MS, Western Carolina University, 2008; BS, Appalachian State University, 2000; AAS, Isothermal Community College, 1998; *Year of Appointment*: 2004.

Beth Joy Thompson; Dept Head COM/Asst Prof; Content Org and Mgt, eRes & Tech; MLIS, Kent State University, Kent, 2011; *Year of Appointment*: 2012.

Erica Brienne Thompson; Instructor; Ent, Hosp, Tourism, Mkt, Sports Mgt; MS, Temple University, 2020; BS, UNC at Chapel Hill, 2017; *Year of Appointment*: 2023.

Shannon Thompson; Professor; School of Music; DMA, The Univ of Texas at Austin, 1998; MM,

Boston University, 1988; BA, University of Oregon, 1986; *Year of Appointment*: 1997.

Allison Lindsay Thorp; Assoc Prof/Dir Choral Actvts; School of Music; PHD, University of Rochester, 2016; MA, Marshall University, 2008; BME, West Virginia Wesleyan College, 2005; *Year of Appointment*: 2016.

Ashley Brooke Thrasher; Associate Professor; School of Health Sciences; EDD, Ball State University, 2014; MS, Western Michigan University, 2011; BA, Anderson University, IN, 2009; *Year of Appointment*: 2016.

Richard Leo Tichich; Professor; School of Art & Design; MFA, Univ Texas San Antonio, 1979; MA, University of Iowa, 1971; *Year of Appointment*: 2004.

Caitlin Tabitha Teaster Torrence; Assistant Professor; School of Health Sciences; PHD, Clemson University, 2022; MS, Clemson University, 2018; MA, East Tennessee State Univ, 2011; *Year of Appointment*: 2023.

Kelly Nelson Tracy; Professor/STL Dir; School of Teaching and Learning; PHD, Clemson University, 2009; MA, Furman University, 2002; BS, Appalachian State

University, 1999; *Year of Appointment*: 2011.

Laura Hall Trivette; Clinical Placement Coordinator; Comm Sciences & Disorders; MS, Western Carolina University, 2005; BS, Western Carolina University, 1998; *Year of Appointment*: 2007.

Angela Kay Trombley; Asst. Prof/DNP Prog. Dir.; School of Nursing; DNP, Univ Missouri Columbia*, 2013; *Year of Appointment*: 2020.

James H. Ullmer; Professor; Econ, Mgt, Proj Mgt; PHD, Univ of Tennessee, Knoxville*, 1996; MS, Univ of Wisconsin-Green Bay, 1977; BA, Univ of Wisconsin-Green Bay, 1972; *Year of Appointment*: 1999.

P Bradley Ulrich; Professor; School of Music; DMA, Univ Illinois Urbana-Champaign, 1989; MM, Univ Illinois Urbana-Champaign, 1986; BM, Florida State University, 1984; *Year of Appointment*: 1989.

Margaret Ann Underwood; Associate Professor/Dir of Ban; School of Music; DMA, Univ of Minnesota-Twin Cities, 2007; MM, Ohio State Univ Columbus, 1999; BME, SUNY at Fredonia, 1994; *Year of Appointment*: 2015.

Lori Eilleen Unruh; Associate Professor/McKee Clinic Dir; Office, Dean, Educ & Allied Prof; PHD, University of Kansas, 1994; MS, Eastern Kentucky University, 1987; BA, Wichita State University, 1979; *Year of Appointment:* 2005.

Nancy C. Valverde; Assistant Professor; Human Services; PHD, Pennsylvania St Univ Univ Park, 2023; MA, Univ Texas Tyler, 2020; BA, College of Wooster, 2017; *Year of Appointment:* 2023.

Jamie C. Vaske; Professor; Criminology & Criminal Justice; PHD, University of Cincinnati, 2009; MS, University of Cincinnati, 2004; BS, University of Cincinnati, 2003; *Year of Appointment:* 2009.

Andre Christopher Velasquez; Assistant Professor; Biology; PHD, Cornell University, 2012; BS, Foreign Institution, 2001; *Year of Appointment:* 2022.

Jeffrey D Vickery; SS Adjunct; Philosophy & Religion; PHD, Southrn Baptist Theol Seminary, 1996; MDIV, Southrn Baptist Theol Seminary, 1993; BA, Clemson University, 1989; BA, Clemson University, 1989; *Year of Appointment:* 2007.

Simone Marie Vigilante; Assistant Professor of Practice; School of Music; MM, Indiana Univ-Bloomington*, 2000; BM, UNC School of the Arts, 1997; *Year of Appointment:* 2023.

Johanna Price Vinyard; Associate Professor; Comm Sciences & Disorders; PHD, University of Memphis, 2003; MS, UNC at Chapel Hill, 1998; BA, UNC at Chapel Hill, 1996; *Year of Appointment:* 2013.

Andrew D. Virtue; Asst Depart Head/Assoc Prof; English Studies; PHD, Univ of Minnesota-Twin Cities, 2013; BA, Illinois State University, 2006; MA, UNC Wilmington, 2006; *Year of Appointment:* 2013.

David Charles Virtue; Botner Distinguished Professor; School of Teaching and Learning; PHD, University of Georgia, Athens*, 2002; *Year of Appointment:* 2020.

Emily Virtue; Assistant Professor; Human Services; PHD, Clemson University, 2019; MA, UNC Wilmington, 2008; BA, Mount Union College, 2006; *Year of Appointment:* 2017.

Heidi Beth Von Dohlen; Associate Professor; Human Services; EDD,

Western Carolina University, 2012; MS, Stony Brook University, 1995; MSED, SUNY @ New Paltz, 1995; BA, Lenoir-Rhyne University, 1990; BS, Lenoir-Rhyne University, 1990; *Year of Appointment:* 2017.

William Edward Wade; Assistant Professor of Practice; School of Nursing; DNP, Univ Michigan Flint, 2015; MS, Barry University, 2000; BSN, Wayne State University, 1988; *Year of Appointment:* 2019.

John C. Wagaman; Professor; Mathematics & Computer Science; PHD, Texas A&M University, 2009; MS, University of Central Florida, 2003; BS, Millersville Univ Pa, 2001; *Year of Appointment:* 2009.

Elizabeth DeVane Wall-Bassett; Professor; School of Health Sciences; PHD, Clemson University, 2007; *Year of Appointment:* 2008.

Jamie Ray Wallen; Associate Professor/Dept Head; Chemistry & Physics; PHD, Wake Forest University, 2008; BS, Emory & Henry College, 2003; *Year of Appointment:* 2014.

Steven Brett Walters; Assistant Professor of Practice; School of Nursing; MSN, Western Carolina University, 2016;

BSN, UNC
Wilmington, 2012;
AAS, Robeson Cmty
College, 2009; *Year of
Appointment*: 2020.

David Mathew

Walton; Dir, African
& AA Studies/AP;
Office, Dean, Arts &
Sciences; PHD,
Michigan State
University, 2017; *Year
of Appointment*: 2020.

Chunyang Wang;

Associate
Dean/Professor;
Office, Dean, Health
& Human Sci; PHD,
Iowa State University,
1993; *Year of
Appointment*: 2018.

Elizabeth T Wark;

Clinical Assistant
Professor; Physical
Therapy; DPT,
Simmons College,
2007; MBA, Univ of
Massachusetts-
Amherst*, 1990; BS,
Ithaca College, 1981;
Year of Appointment:
2016.

Ashlee Marissa

Wasmund; Assoc
Prof/Prog Coord
Dance; School of
Stage & Screen; MFA,
Western Illinois
University, 2010; BA,
Franklin College In,
2007; BA, Franklin
College In, 2007; *Year
of Appointment*: 2016.

Colin Roshaven

Wasmund; Assistant
Professor; School of
Stage & Screen; MFA,
Western Illinois
University, 2009; BA,
Southwest Minnesota
State Univ, 2006; *Year
of Appointment*: 2019.

Whitney Leigh

Waters; Instructor;
English Studies; PHD,
Warren Wilson
College, 2023; MA,
Western Carolina
University, 2020; BS,
Western Carolina
University, 2018; BA,
Elon University, 2009;
Year of Appointment:
2023.

Cheryl Waters-

Tormey; Associate
Professor; Geosciences
& Natural Resources;
PHD, Univ Wisc
Madison*, 2004; MS,
UNC at Chapel Hill,
1999; BS, Duke
University, 1995; *Year
of Appointment*: 2004.

Myra Keener

Watson; Assistant
Professor; Human
Services; EDD,
Western Carolina
University, 2021;
MAED, Western
Carolina University,
2007; BS, Western
Carolina University,
2002; *Year of
Appointment*: 2011.

Todd Watson;

Professor; Physical
Therapy; DPT, Uni St.
Augustine Health Sci,
2000; MPT, Idaho
State University, 1991;
BS, Idaho State
University, 1989; *Year
of Appointment*: 2002.

Thomas A

Watterson; Associate
Professor; School of
Teaching and
Learning; PHD,
University of South
Florida, 2012; *Year of
Appointment*: 2013.

John Robert

Weatherford;
Instructor; Acct, Fin,

Info Sys, Bus Law;
MBA, Mississippi
State University, 1999;
BA, Mississippi State
University, 1998; *Year
of Appointment*: 2023.

Melinda Rachelle

Weathers; Associate
Professor;
Communication; *Year
of Appointment*: 2023.

Isaac Calloway

Webster; Assistant
Professor; School of
Stage & Screen; MFA,
University of Hawaii
at Manoa, 2018; *Year
of Appointment*: 2019.

Jessica Renee Weiler;

Associate Professor;
Human Services;
PHD, Univ Wisc
Madison*, 2013; *Year
of Appointment*: 2009.

David K Wells;

Associate Professor of
Practice; School of
Nursing; EDD, Univ
of New England-
University, 2019;
MSN, Gardner-Webb
University, 2011; *Year
of Appointment*: 2013.

Frankie Lane West;

Assistant Professor;
Forensic Science; BA,
Baylor University,
2004; *Year of
Appointment*: 2017.

Keith Allen West;

Associate Instructor;
School of Teaching
and Learning; MS,
Univ of Tennessee,
Knoxville*, 1995; BS,
Gardner-Webb
University, 1993; *Year
of Appointment*: 2018.

Tonya M.

Westbrook;
Department Head;
Social Work; PHD,

University of Georgia, Athens*, 2006; MS, University of Cincinnati, 1998; BS, Jacksonville State University, 1993; BSW, Jacksonville State University, 1993; *Year of Appointment: 2007.*

Brian William Whelan; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; DBA, UNC at Charlotte, 2021; MS, West Virginia University, 2009; BA, Hofstra University, 1999; *Year of Appointment: 2021.*

Ramona Craft Whichello; MS Nurse Ed Leadership Prog Dir/Assoc Prof of Practice; School of Nursing; DNP, East Tennessee State Univ, 2017; MSN, Emory University, 1991; BSN, Western Carolina University, 1987; *Year of Appointment: 2008.*

Barbara J. White; Professor; Acct, Fin, Info Sys, Bus Law; PHD, University of Mississippi, 2005; MBA, East Carolina University, 2001; BA, UNC at Chapel Hill, 1984; BA, UNC at Chapel Hill, 1984; *Year of Appointment: 2005.*

Callan Elizabeth White-Hinman; Assistant Professor; School of Stage & Screen; MFA, Calif St Univ Long Beach, 2002; *Year of Appointment: 2020.*

Shara Leigh Whitford; Associate Instructor; English Studies; MA, Lancaster Bible College, 1996; BA, Carson-Newman University, 1992; *Year of Appointment: 2002.*

John Floyd Whitmire; Associate Professor; Philosophy & Religion; PHD, Villanova University, 2005; MA, Villanova University, 1999; BA, Wake Forest University, 1997; *Year of Appointment: 2005.*

Denise A. Wilfong; Associate Professor; School of Health Sciences; PHD, Univ of Tennessee, Knoxville*, 2009; MHS, Western Carolina University, 2000; BS, Western Carolina University, 1994; *Year of Appointment: 2001.*

Haylee Paige Wilkie; Assoc Director, Writing Fellow; Writing & Learning Commons; MA, Western Carolina University, 2022; BA, Western Carolina University, 2019; *Year of Appointment: 2023.*

Dolores Willey; Professor/Dir Assessment COB; Acct, Fin, Info Sys, Bus Law; JD, Univ of Tennessee, Knoxville*, 1977; BA, Maryville College TN, 1974; *Year of Appointment: 2004.*

Laura Catherine Williams; Assistant Professor - Practice;

School of Music; MM, Univ of Colorado at Boulder*, 2009; BM, Brevard College, 2006; *Year of Appointment: 2023.*

Annie McCord Wilson; Assistant Professor; Psychology; PHD, Clemson University, 2021; MA, Western Carolina University, 2017; BS, Western Carolina University, 2015; *Year of Appointment: 2012.*

Evelyn Anne Wilson; Teaching Associate Professor; School of Health Sciences; MHS, Western Carolina University, 2008; BS, Erskine College, 1994; BS, Erskine College, 1994; *Year of Appointment: 2011.*

Kimberly Kristine Winter; Dean CEAP/Professor; Office, Dean, Educ & Allied Prof; PHD, Indiana State University, 1999; MED, Indiana State University, 1997; BS, The Univ of Texas at Austin, 1994; *Year of Appointment: 2012.*

Gabriel Wisniewski-Parks; Instructor; Communication; BA, UNC at Greensboro, 2020; *Year of Appointment: 2022.*

Veronica Frances Wisniewski-Parks; Instructor; English Studies; BA, UNC at Greensboro, 2020; AA, Alamance Community College, 2018; *Year of Appointment: 2023.*

Bradley Witzel; Adl Wrth Dls Dst Prf; School of Teaching and Learning; PHD, University of Florida, 2001; *Year of Appointment:* 2020.

Pavel Wlosok; Professor; School of Music; MMUS, University of North Texas, 2000; BM, University of North Texas, 1998; *Year of Appointment:* 2002.

Mary Claire Wofford; Assistant Professor; Comm Sciences & Disorders; MS, Western Carolina University, 2015; *Year of Appointment:* 2019.

Mesfin Arega Woldeyohannes; Associate Professor; Chemistry & Physics; PHD, Foreign Institution, 2001; MS, Foreign Institution, 1995; MS, Foreign Institution, 1989; BS, Foreign Institution, 1986; *Year of Appointment:* 2005.

Richard Carl Wolf-Spencer; Assistant Professor of Practice; School of Stage & Screen; MFA, University of Idaho, 2004; *Year of Appointment:* 2020.

Dallas Wayne Wood; Assistant Professor; Econ, Mgt, Proj Mgt; PHD, NC State University at Raleigh, 2015; MS, NC State University at Raleigh, 2012; BS, NC State University at Raleigh, 2005; *Year of Appointment:* 2023.

Marie Elizabeth Woodard; Teaching Associate Professor; School of Health Sciences; PHD, Univ Alabama Birmingham, 1999; PHD, Univ Alabama Birmingham, 1999; MHSA, Medical University SC, 1993; BS, Clemson University, 1987; *Year of Appointment:* 2021.

Megan Ballard Woody; Assistant Professor of Practice; School of Nursing; DNP, Western Carolina University, 2019; MSN, UNC at Charlotte, 2013; BSN, UNC at Charlotte, 2012; *Year of Appointment:* 2017.

Cynthia Denise Wray; Associate Instructor; Communication; MA, Western Carolina University, 2007; BS, Western Carolina University, 2001; *Year of Appointment:* 2007.

Laura Lynn Wright; Professor; English Studies; PHD, Univ of Massachusetts-Amherst*, 2004; MA, East Carolina University, 1995; BA, Appalachian State University, 1992; *Year of Appointment:* 2005.

Emily Jane Wros; Associate Professor; Content Org and Mgt, eRes & Tech; MS, Univ Illinois Urbana-Champaign, 2021; *Year of Appointment:* 2023.

Yanjun Yan; Associate Professor;

School of Engineering & Technology; PHD, Syracuse University, 2009; *Year of Appointment:* 2013.

Weiguo Yang; Professor; School of Engineering & Technology; PHD, Princeton University, 1999; MA, Princeton University, 1997; MS, Foreign Institution, 1995; BS, Foreign Institution, 1992; *Year of Appointment:* 2007.

Yang Yang; Assistant Professor; Geosciences & Natural Resources; PHD, SUNY Coll Envtl Sci & Frstry, 2018; MS, SUNY Coll Envtl Sci & Frstry, 2015; BS, Foreign Institution, 2012; *Year of Appointment:* 2023.

Yiqing Yang; Associate Professor; Anthropology & Sociology; PHD, University of Utah, 2016; MBA, Foreign Institution, 2008; BS, Foreign Institution, 1997; *Year of Appointment:* 2017.

Paul Yanik; Professor; School of Engineering & Technology; PHD, Clemson University, 2013; MS, NC State University at Raleigh, 1995; BS, NC State University at Raleigh, 1989; *Year of Appointment:* 2005.

Robert Thomas Youker; Associate Professor; Biology; PHD, University of Pittsburgh, 2005; MHS, Johns Hopkins Univ*, 2001; BS,

Manhattan College,
1998; *Year of
Appointment*: 2014.

Robert Young;

Professor; Program for
Study of Dev
Shorelines; PHD,
Duke University,
1995; MS, University
of Maine, Orono,
1990; BS, College of
William and Mary,
1987; *Year of
Appointment*: 1997.

Sarah Michelle

Young; Instructor;
Comm Sciences &
Disorders; MS,
Appalachian State
University, 2015; *Year
of Appointment*: 2018.

Tasha Jean Youstin;

Associate Professor;
Criminology &
Criminal Justice; PHD,
CUNY John Jay Coll
Crim Just, 2012; MA,
University of Florida,

2007; BA, Florida
Atlantic University,
2004; *Year of
Appointment*: 2016.

**Katie Jo Zejdlik-
Passalacqua;**

Associate
Professor/Department
Head; Anthropology &
Sociology; PHD,
Indiana Univ-
Bloomington*, 2015;
Year of Appointment:
2015.

Yang Zhang;

Assistant Professor;
School of Engineering
& Technology; PHD,
Texas Tech
University, 2017; MS,
Texas Tech
University, 2013; BS,
Foreign Institution,
2012; *Year of
Appointment*: 2017.

Ericka Point

Zimmerman; Dir Sch
Health Sci/Professor;

School of Health
Sciences; EDD,
Marshall University,
2007; MS, Indiana
State University, 1994;
BA, St Andrews
University, 1993; *Year
of Appointment*: 2015.

**Stacey Chanelle
Zimmerman;**

Assistant Professor;
Mathematics &
Computer Science;
PHD, UNC at
Greensboro, 2020;
MS, UNC at
Greensboro, 2014;
MS, NC Agri & Tech
State Univ, 1997; BS,
NC Agri & Tech State
Univ, 1993; *Year of
Appointment*: 2022.

Lindsey Kay Zwart;

Instructor; School of
Nursing; *Year of
Appointment*: 2023