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UNDERGRADUATE EDITION 2019-2020

Elizabeth City, North Carolina 27909

SACS ACCREDITATION STATEMENT

www.ecsu.edu

Refer to this website for catalog updates.

Elizabeth City State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award degrees at the baccalaureate and master's levels. Contact SACSCOC at 1866 Southern Lane, Decatur, GA 30033-4097 or call 404-679-4501 for questions about the accreditation of ECSU.

NON-DISCRIMINATION STATEMENT

Elizabeth City State University is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, gender, age, or disability.

Elizabeth City State University supports the protection afforded to all members of its community by all applicable state and federal laws — including, but not limited to, Title VI and Title VII of the Civil Rights Act (CRA) of 1964, as amended by the Civil Rights Act of 1991, the Americans with Disabilities Act (ADA) of 1990 as amended; Section 504 of the Rehabilitation Act of 1973; the Equal Pay Act (EPA) of 1963; the Discrimination in Employment Act (DEA) of 1967; Executive Order 11246; Title IX of the Education Amendments of 1972; Sections 799A and 845 of the Public Health Service Act; the Family Educational Rights and Privacy Act (FERPA) of 1974 — Part of PL 93-308; and the Family and Medical Leave Act (FMLA) of 1993.

ACCREDITATIONS AND MEMBERSHIPS

Elizabeth City State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award degrees at the Baccalaureate and Master's levels. Contact the Commission on Colleges at 1866 Southern Lane, Decatur GA 30033-4097 or call (404) 679-4501 for questions about the accreditation of Elizabeth City State University.

The following academic programs are accredited:

- The Department of Business and Economics is accredited by The Association to Advance Collegiate Schools of Business (AACSB)
- The Laboratory School is accredited by the National Association for the Education of Young Children (NAEYC)
- The Social Work program is accredited by the Council on Social Work Education (CSWE)
- The Teacher Education Program is accredited by the Council for the Accreditation of Educator Preparation (CAEP)
- The Engineering Technology Program is accredited by the Engineering Technology Accreditation Commission (ETAC) of Accreditation Board for Engineering & Technology (ABET) Inc.
- The Music program is accredited by the National Association of Schools of Music (NASM)

The university as a whole, or through components of it, has current membership in various professional learned organizations. Memberships are held in the following:

Academy of Criminal Justice Sciences	American Association of Colleges for Teacher Education
American Association of Higher Education	American Association of State Colleges and Universities
American Counseling Association	American Council on Education
American College of Sports and Medicine	American Library Association
American Political Science Association	American Psychological Association
American Red Cross	American Society of Criminology
Association on Higher Education and Disability	American Society for Public Administration
Association for Supervision and Curriculum Development	Association for Institutional Research
Association of Unmanned Vehicle Systems	Association of University and College Counseling Center Directors
Association to Advance Collegiate Schools of Business	Association of Technology, Management and Applied Engineering
Aviation Accreditation Board International	
Carolina's Association of Collegiate Registrar and Admissions Officers	Central Intercollegiate Athletic Association
Conference of Southern Graduate Schools	Council of Graduate Schools

Council for the Accreditation of Educator Preparation (CAEP)	Council of Historically Black Graduate Schools
Council for Opportunity in Education	Council on Social Work Education
Council on Undergraduate Research	HBCU Library Alliance
National Association of African American Honors Programs	National Academic Advising Association
National Association of Colleges & Employers	National Association of Colleges & Employers
National Association of College and University Attorneys	
National Association of Student Financial Aid Administrators	National Association of College & University Food Services
National Business Aviation Association	National Collegiate Athletic Association
National Collegiate Honors Council Association	National Association for Kinesiology for Higher Education
National Association for Sport and Physical Education	National Association of Schools of Music
National Council of University Research Administrators	North Carolina Association of Colleges & Employers
North American Association of Summer Sessions	North Carolina Association of Institutional Research
North Carolina Association of Colleges for Teacher Education	North Carolina Association on Higher Education and Disability
North Carolina Association of Summer Sessions	North Carolina Conference of Graduate Schools
North Carolina Honors Association	North Carolina Library Association
North Carolina Preservation Consortium Archives	Second Nature-American College & University President's Climate Commitment
Southern Association of Libraries	Southern Business Administration Association
Southern Regional Honors Association	University Aviation Association

NOTE TO STUDENTS

The publisher of this catalog has attempted to present information which, at the time of preparation for publication, most accurately describes the course offerings, faculty listings, policies, procedures, regulations and requirements of the university. However, it does not establish contractual relationships. The university reserves the right to make changes in both curricula and relationships without prior notice. Students should consult academic advisors for current information.

Copies of the general catalog are made available to all students registered at the university, high school guidance counselors, and college university libraries. This catalog is also available on ECSU's Website at: www.ecsu.edu/registrar

MESSAGE FROM THE CHANCELLOR

WELCOME TO ELIZABETH CITY STATE UNIVERSITY (ECSU)!

Since 1891, students have been the heartbeat of ECSU. We are intentional in providing student-centered services to create an environment where students love where they live and learn; and, employees love where they work! This is the place where we welcome diversity of individuals and ideas.

We offer a broad range of undergraduate degree programs and four master's degree programs that will prepare students to be competitive in a global market place. Our signature aviation program is the only four-year aviation program offered in the State of North Carolina. This program will be a significant provider of aviation and aerospace employees for the region, state, and nation.

In addition to a stimulating teaching and learning environment, ECSU offers many opportunities for student engagement. Our safe and nurturing campus is the ideal place for student involvement outside of the classroom. Students receive a well-rounded college experience that prepares them to be leaders and contributing members of society.

Use this catalog to chart your course to student success. Refer to it often. Contact your academic adviser should you need assistance.

We look forward to assisting you on your journey to success.

Viking Pride!

Karrie G. Dixon, Ed.D.
Chancellor

ACADEMIC CALENDARS

FALL SEMESTER 2019

Monday, August 5	Classes Dropped for Non- Payment
Tuesday-Wednesday, August 6-7	Fall Faculty/Staff Institute
Friday, August 9	New Student Orientation
Saturday, August 10	Extended Registration-Graduate Programs/New Viking Days
Sunday, August 11	Residence Halls Open, All Students Returning Students Move-In Day/Vicking Kick-Off
Monday, August 12	Official Registration, 8:30 a.m. to 7:00 p.m. 7:30 p.m. - Classes Dropped for Non-payment
Tuesday, August 13	Classes Begin for Fall 2019 Late Registration and Drop/Add Period Begins, 8:30 a.m.
Monday, August 19	Late Registration and Drop and Add Period Ends, 5:00 p.m.
Tuesday, August 20	First day to withdraw from classes and receive a grade of "W"
Monday, August 26	Census
Monday, September 2	Labor Day Holiday, Classes Dismissed, Offices Closed
Tuesday, September 3	Classes Resume, 8:00 a.m.
Monday, September 16	Fall 2019 Graduation Applications Due to Registrar's Office
Thursday- Wednesday, October 3-9	Mid-Term Exams (All Students)
Tuesday, October 8	Last Day to Remove "I" Grades
Friday, October 11	Deadline for Posting Grades - 12:00 p.m.
Saturday-Tuesday, October 12-15	Fall Recess
Wednesday, October 16	Classes Resume, 8:00 a.m.
Wednesday, October 22	Last Day to Withdraw from Classes and Receive a Grade of "W"
Monday, October 28 - Friday November 8	Academic Advisement/Pre-Registration for Spring 2020
Thursday, November 7	Last Day to Withdraw from the University and Receive a Grade of "WD"
Monday, November 11	Veterans Day Holiday, Classes Dismissed, Offices Closed
Tuesday, November 12	Classes Resume, 8:00 a.m.
Friday, November 15	Spring 2020 Graduation Applications Due to Registrar's Office

Wednesday – Saturday, November 27-30	Thanksgiving Holiday, Classes Dismissed
Monday, December 2	Classes Resume, 8:00 a.m.
Tuesday, December 3	Last Day of Classes
Wednesday, December 4	Reading Day
Thursday – Monday, December 5-9	Final Examinations, Graduating Seniors
Thursday - Wednesday, December 5-11	Final Examinations, Remaining Students (Instructional Time Includes Required Examination Periods)
Tuesday, December 10	Deadline for Posting Graduating Seniors' Grades- 5:00 p.m. Last Day to Return Books/Mailbox Keys without Charge for Graduating Seniors
Saturday, December 14	Fall Commencement
Monday, December 16	Deadline for Posting Grades for Remaining Students – 3:00 p.m. Last Day to Return Books/Mailbox Keys without Charge

1ST 8-WEEK ACCELERATED SESSION - FALL 2019

Monday, August 12	Official Registration, 8:30 a.m. – 7:00 p.m. 7:30 p.m. Classes Dropped for Non-payment
Tuesday, August 13	Classes Begin for Fall 2019
Friday, August 16	Late Registration Ends (1 st and 2 nd 8 Week Sessions) Drop-Add Period Ends (1 st 8 Week Sessions) Last Day to withdraw from the University and receive a refund (1 st 8 Week Session)
Monday, August 19	First Day to Withdraw from Classes and Receive a Grade of “W” (1 st 8 Week Session)
Monday, September 2	Labor Day Holiday, Classes Dismissed, Offices Closed
Tuesday, September 3	Classes Resume, 8:00 a.m.
Tuesday – Wednesday September 10 - 11	Mid-Term Examinations (1 st 8 Week Session)

Thursday, September 12	Deadline for Posting Mid-Term Grades (1 st 8 Week Session) – 12:00 p.m. and Last Day to Withdraw from a Course with Grade “W” (1 st 8 Week Session)
Friday, September 27	Last Day to Withdraw and Receive Grade “WD” (1 st 8 Week Session)
Friday, October 4	Last Day of Classes (1 st 8 Week Session)
Monday – Tuesday, October 7 - 8	Final Exams (1 st 8 Week Session)
Wednesday, October 9	Final Grades for 1 st 8 Week Session due to the Registrar by 5:00 p.m. and Last Day to Return Rental Books/Mailbox Keys without Charge (1 st 8 Week Session)

2ND 8-WEEK ACCELERATED SESSION - FALL 2019

Thursday, October 10	Classes Begin for Fall 2019
Monday - Tuesday, October 14-15	Fall Recess - Classes Dismissed
Wednesday, October 16	Classes Resume, 8:00 a.m.
Thursday, October 17	Drop-Add Period Ends (2 nd 8 Week Session) Last Day to Withdraw from the University and Receive a Refund (2 nd 8 Week Session)
Friday, October 18	First Day to Withdraw Classes and Receive Grade "W"
Monday, November 11	Veterans Day Holiday, Classes Dismissed, Office Closed
Tuesday – Wednesday, November 12 - 13	Mid-Term Examinations (2 nd 8 Week Session)
Thursday, November 14	Deadline for Posting Mid-Term Grades (2 nd 8 Week Session) – 12:00 p.m. and Last Day to Withdraw from a Course with Grade “W” (2 nd 8 Week Session)
Wednesday-Friday, November 27-29	Thanksgiving Holiday, Classes Dismissed
Monday, December 2	Classes Resume, 8:00 a.m. Last Day to Withdraw and Receive Grade "WD"
Monday, December 9	Last Day of Classes (2 nd 8 Week Session)
Tuesday - Wednesday December 10 - 11	Final Exams (2 nd 8 Week Session)
Saturday, December 14	Fall Commencement
Monday, December 16	Final Grades for 2 nd 8 Week Session due to the Registrar by 5:00 p.m. and Last Day to Return Rental Books/Mailbox Keys without Charge (2 nd 8 Week Session)

SPRING SEMESTER 2020

Friday, January 3	New Student Orientation
Wednesday, January 8	Winter Faculty/Staff Institute
Sunday, January 12	Residence Halls Open – All Students
Monday, January 13	Official Registration, 8:30 a.m. to 7:00 p.m. 7:30 p.m. - Classes Dropped for Non-Payment
Tuesday, January 14	Classes Begin for Spring 2020 Late Registration and Drop and Add Period Begins, 8:30 a.m.
Monday, January 20	Dr. Martin L. King, Jr. Holiday, Classes Dismissed, Offices Closed
Tuesday, January 21	Classes Resume, 8:00 a.m. Late Registration/Drop-Add Period Ends, 5:00 p.m.
Wednesday, January 22	First day to withdraw from classes and receive a grade of “W” Financial Aid Deadline for Priority Funding
Tuesday, January 28	Census
Tuesday, March 10	Last Day to Remove "I" Grades
Friday, March 13	Founders' Day
Monday - Saturday, March 16-21	Mid-Term Exams (All Students)
Monday, March 23	Deadline for Posting Grades – 12:00 p.m.
Monday - Saturday, March 23-28	Spring Recess
Monday, March 30	Classes Resume, 8:00 a.m.
Monday, March 30 – Friday, April 14	Academic Advisement/Pre-Registration for Summer/Fall 2020
Wednesday, April 1	Last Day to Withdraw from Classes and Receive a Grade of "W"
Friday, April 10	Good Friday Holiday, Classes Dismissed, Offices Closed
Saturday, April 11	Saturday Classes Dismissed
Monday, April 13	Easter Monday, Classes Dismissed
Tuesday, April 14	Classes Resume, 8:00 a.m.
Thursday, April 16	Last Day to Withdraw and Receive a Grade of "WD"
Thursday, April 30	Last Day of Classes

Friday, May 1	Reading Day
Saturday - Wednesday, May 2-6	Final Examinations, Graduating Seniors
Saturday – Friday, May 2-8	Final Examinations, Remaining Students (Instructional Time Includes Required Examination Periods)
Wednesday, May 6	Deadline for Posting Graduating Seniors' Grades – 12:00 p.m.
Thursday, May 7	Last Day to Return Books/Mailbox Keys Without Charge for Graduating Seniors
Saturday, May 9	Spring Commencement
Monday, May 11	Deadline for Posting Grades for Remaining Students – 3:00 p.m. Last Day to Return Books/Mailbox Keys without Charge for Remaining Students
Tuesday, May 12	Spring Faculty/Staff Institute

1ST 8-WEEK ACCELERATED SESSION - SPRING 2020

Monday, January 13	Official Registration, 8:30 a.m. – 7:00 p.m. 7:30 p.m. Classes Dropped for Non-Payment (1st & 2nd 8 Week Sessions)
Tuesday, January 14	Classes Begin for Spring 2020
Friday, January 17	Late Registration Ends (1st and 2nd 8 Week Sessions) Drop-Add Period Ends (1st 8 Week Sessions) Last Day to Withdraw from the University and Receive a Refund
Monday, January 20	Dr. Martin L. King, Jr. Holiday, Classes Dismissed, Offices Closed
Tuesday, January 21	Classes Resume, 8:00 a.m. First Day to Withdraw from Classes and Receive a Grade of "W" (1st 8 Week Session)
Monday – Tuesday February 10-11	Mid-Term Examinations (1st 8 Week Session)
Wednesday, February 12	Deadline for Posting Mid-Term Grades (1st 8 Week Session) – 12:00 p.m. and Last Day to Withdraw from a Course with Grade of "W" (1st 8 Week Session)

Wednesday, February 26	Last Day to Withdraw from the University with Grade of “WD” (1st 8 Week Session)
Wednesday, March 4	Last Day of Classes (1st 8 Week Session)
Thursday – Friday, March 5-6	Final Exams (1st 8 Week Session)
Monday, March 9	Final Grades for 1st 8 Week Session due to the Registrar by 5:00 p.m. and Last Day to Return Rental Books/Mailbox Keys without Charge (1st 8 Week Session)

2ND 8-WEEK ACCELERATED SESSION - SPRING 2020

Tuesday, March 10	Classes Begin for Spring 2020
Friday, March 13	Drop-Add Period Ends (2nd 8 Week Session) Last Day to Withdraw from the University and Receive a Refund (2nd 8 Week Session)
Monday, March 16	First Day to Withdraw from Classes and Receive Grade of “W”
Monday – Saturday, March 23-28	Spring Recess – Classes Dismissed
Monday, March 30	Classes Resume, 8:00 a.m.
Friday, April 10	Good Friday Holiday, Classes Dismissed, Offices Closed
Saturday, April 11	Saturday Classes Dismissed
Monday, April 13	Easter Monday, Classes Dismissed
Tuesday, April 14	Classes Resume, 8:00 a.m.
Tuesday – Wednesday, April 14-15	Mid-Term Examinations (2nd 8 Week Session)
Thursday, April 16	Deadline for Posting Mid-Term Grades (2nd 8 Week Session) – 12:00 p.m. and Last Day to Withdraw from a Course with Grade of “W” (2nd 8 Week Session)
Wednesday, April 29	Last Day to Withdraw and Receive Grade of “WD” (2nd 8 Week Session)

Wednesday, May 6	Last Day of Classes (2nd 8 Week Session)
Thursday – Friday, May 7 – 8	Final Exams (2nd 8 Week Session)
Saturday, May 9	Spring Commencement
Monday, May 11	Final Grades for 2nd 8 Week Session due to the Registrar by 5:00 p.m. and Last Day to Return Rental Books/Mailbox Keys without Charge (2nd 8 Week Session)

SUMMER SCHOOL 2020

Monday, May 18	Residence Halls Open
Tuesday, May 19	First Day of Classes (8-week and 5-week Sessions)
Friday, May 22	Last Day to Enroll (Register), Drop/Add a Course or Change from Credit to Audit with Tuition Adjustment (8-week and 5-week Sessions)
Monday, May 25	MEMORIAL DAY -No Classes
Tuesday, May 26	Classes Resume, 8:00 a.m. Last Day to Withdraw from the University and Receive a Refund (8-week and 5-week Sessions)
Wednesday-Thursday June 3-4	Mid-term Examinations (5-week Session)
Tuesday, June 9	Last Day to Withdraw from a Course with a Grade of "W" (5-week Session)
Friday, June 12	Last Day to Withdraw from the University with grade "WD" (5-week Session)
Wednesday-Thursday June 17-18	Wed.-Thurs. Mid-Term Examinations (8-week Session)
Friday, June 19	Last Day of Classes (5-week Session) Last Day to Withdraw from a Course with a Grade of "W" (8-week Session)
Monday-Tuesday June 22-23	Final Examinations (5-week Session)
Thursday, June 25	Final Grades for 5-week Session due to Registrar by 5 p.m. Rental Books Returned by 4 p.m.
Friday, June 26	Last Day to Withdraw from the University with a Grade of "WD" (8-week Session)
Friday, July 3	INDEPENDENCE DAY – No Classes

- Monday, July 13** Last Day of Classes (8-week Session)
- Tuesday-
Wednesday
July 14-15** Final Examinations (8-week Session)
- Friday, July 17** Final Grades for 8-week Session due to Registrar by 5 p.m.
Rental Books Returned by 4 p.m.

CORRESPONDING DIRECTORY

For prompt attention, send inquiries to the appropriate person and office, Elizabeth City State University, 1704 Weeksville Road, Elizabeth City, North Carolina 27909. The University's information number is (252) 335-3400 and its Internet address is <http://www.ecsu.edu>.

GENERAL

Dr. Karrie G. Dixon, Chancellor
 Dr. Derrick Wilkins, Chief of Staff
 Ms. Gwendolyn Sanders, Deputy Chief of Staff
 Dr. Letitia Evans, Interim Vice Chancellor for University Advancement
 Mr. Alyn Goodson, General Counsel, Chief Operations Officer
 Mr. Suresh Murugan, Chief Information Officer
 Mrs. Paula Bowe, Interim Chief Human Resources Officer
 Mr. George Bright, Athletic Director
 Mrs. Sharnita Wilson-Parker, Director of Internal Audit
 Mr. John Manley, Chief of Public Safety
 Mr. Carson Rich, Special Assistant to the Chancellor for Government Relations

Academic Affairs

Dr. Farrah Ward, Provost and Vice Chancellor for Academic Affairs
 Dr. Gloria Payne, Interim Associate Vice Chancellor for Faculty Affairs and Development
 Dr. Melinda Anderson, Interim Associate Vice Chancellor for Student Success
 Mrs. LoraAnn Barclift, Senior Executive Assistant to the Provost
 Dr. Joy Turnheim Smith, Dean, School of Education and Business
 Dr. Sharon Raynor, Dean, School of Humanities and Social Sciences
 Dr. Kuldeep Rawat, Dean, School of Science, Aviation, Health and Technology
 Dr. Fred Okanda, Director of Institutional Effectiveness, Research and Assessment
 Dr. Juanita Midgette-Spence, Director of Library Services
 Dr. Tarsha Rogers, Director of University Studies

Mr. Michael Twiddy, Director of Small Business Technology and Development Center
 Dr. Tony Bryant, Director of Retention
 Ms. Annemarie Delgado, Director of Sponsored Programs, Contracts and Grants
 Dr. Timothy Goodale, Director of Graduate Education
 Dr. Kimberley Stevenson, Director of Distance Education and Video Conference Center
 Ms. Quay Dozier, Director of TRIO Programs
 Mr. Antonio Rook, Director of MSEN Program
 Ms. Elaine Spellman, Director of Laboratory School
 Dr. Chyna Crawford, Director of Summer School
 Dr. Margaret Young, Director of Undergraduate Research
 Dr. Andre Stevenson, Director of University Honors Program and Office of International Programs
 Dr. Kacey DiGiacinto, Interim Director of Center for Teaching and Learning
 Dr. Dorothy Kersha-Aerga, Director of SACSCOC

STUDENT AFFAIRS

Mr. Gary Brown, Vice Chancellor for Student Affairs
 Mr. Kevin J. Wade, Assistant Vice Chancellor for Student Affairs
 Dr. Coray Davis, Interim Dean of Students
 Ms. Tiffany Hinton, Assistant Dean for Student Development
 Ms. Lucretia Banks, Interim Title IX Coordinator/Investigator
 Mrs. Felecia Brown, Director, Student Accessibility and Testing Services
 Mrs. Gloria Brown, Director of Student Health Services
 Ms. Jody Grandy, Director, Counseling Services
 Mr. Ferreli McGilvary, Interim Executive Director, Student Engagement and Leadership
 Mr. Dwayne Saunders, Interim Director, Campus Recreation and Wellness
 Dr. Crystal Terry, Director, PACE Center
 Ms. Sabrina Williams, Interim Director of Housing and Residence Life
 Vacant, Director of Career Development

BUSINESS AND FINANCE

Mr. George Burnette, Interim Vice Chancellor for
Business and Finance
Mrs. Gina Knight, Controller
Mr. Robert Thibeault, Director of Budgets
Mr. Dennis Leary, Director of Facilities Management
Mr. Harley Grimes, Interim Director of Facilities,
Campus Planning
Mrs. Rachael Haines, Director of Business Services,
Procurement and Materials Management
Ms. Sherron White, Director of Auxiliary Services

UNIVERSITY ADVANCEMENT

Dr. Letitia Evans, Interim Vice Chancellor for
University Advancement
Mr. Enoch Bond, Director of Alumni Relations and
Engagement
Mr. Russell Haddad, Director of Community and
Economic Engagement

ENROLLMENT MANAGEMENT

Dr. Althea Riddick, Associate Vice Chancellor for
Enrollment Management, Registrar
Mr. Timothy Freeman, Director of Veterans Affairs
Mr. Jeremi Watkins, Director of Financial Aid
Mr. Darius Eure, Interim Director of Admissions

GENERAL INFORMATION

HISTORY OF THE UNIVERSITY OF NORTH CAROLINA

In North Carolina, the 16 public universities that grant baccalaureate degrees are part of the University of North Carolina system. The multi-campus state university system also includes the NC School of Science and Mathematics, the nation's first public residential high school for gifted students. Chartered by the North Carolina General Assembly in 1789, the University of North Carolina was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of the University of North Carolina was at Chapel Hill.

Additional institutions of higher education, diverse in origin and purpose, began to win sponsorship from the General Assembly beginning as early as 1877. Five were historically black institutions, and another was founded to educate American Indians. Some began as high schools. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

The 1931 session of the 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 legislation was passed 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 (now the University of North Carolina School of the Arts), Pembroke State University (now the University of North Carolina at Pembroke), Western Carolina University, and Winston-Salem State University. In 1985 the NC School of Science and Mathematics was declared an affiliated school of the University; in July 2007 NCSSM by legislative action became a constituent institution of the University of North Carolina. All the schools and universities welcome students of both sexes and all races.

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 32 voting members of the Board of Governors are elected by the 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 UNC campuses 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 university 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 UNC School of the Arts has two additional *ex officio* members; and the NC School of Science and Mathematics has a 27-member board as required by law.) Each board of trustees holds extensive powers over academic and other operations of its campus on delegation from the Board of Governors.

In addition to its teaching role, the University of North Carolina has a long-standing commitment to public service. The UNC Center for Public Television, the UNC Health Care System, the cooperative extension and research services, nine area health education centers, and myriad other University programs and facilities reap social and economic benefits for the state and its people.

University Mission

Elizabeth City State University, a constituent institution of the University of North Carolina, offers baccalaureate, graduate, and professional programs for a diverse student body. The institution's rich heritage provides a firm foundation for its educational endeavors, as well as its role in serving the needs and aspirations of individuals and society.

Through teaching, research, and community engagement, Elizabeth City State University provides a student-centered environment, delivered in a manner that enhances student learning, while preparing its graduates for leadership roles and lifelong learning. The University is also a leader in facilitating sustainable economic growth, while safeguarding the unique culture and natural resources of the region.

Historic Location

Located in the historic Albemarle area near the mouth of the Pasquotank River, Elizabeth City State University offers students the opportunity to receive an excellent education while enjoying a wide variety of recreational and cultural amenities. Favored by a mild climate and proximity to the world-renowned Outer Banks recreation area, ECSU can supply ingredients that help make student living and learning both exciting and fulfilling. In addition, the University offers students a variety of social programs, cultural programs, religious and musical organizations, honor societies, and clubs. Fraternities and sororities are also available to students as well as a variety of athletic teams and events.

Students may also wish to take advantage of the historical sites in the greater Albemarle and southeast Virginia areas. Williamsburg, Jamestown, Roanoke Island, Yorktown, several antebellum plantations, and beaches and waterways are among sites within an easy drive from the campus.

United States Highways 17 and 158 make the city and the University easily accessible by automobile and bus routes from all points. Hotels and motels are available to accommodate overnight visitors and ECSU is just over an hour's drive from the Norfolk (Virginia) International Airport.

ECSU is situated on 114 acres, which represent the campus proper. Another 68 acres comprise the former farm on Weeksville Road (N.C. 34); a 639-acre tract in Currituck County helps preserve the nation's diminishing wetlands and provides for educational research; and 35 acres serve residential or expansion purposes. There are also small sites in Utah and Virginia, used, respectively, for geological instruction and institutional enhancement.

Growth and Development

Elizabeth City State University has been a coeducational, undergraduate, public, and state-assisted institution since its inception on March 3, 1891, when House Bill 383 was ratified. The bill to establish the institution was introduced in the N.C. General Assembly by **HUGH CALE** (1835–1910), a black representative from Pasquotank County.

By law, the institution was initially created as a normal school for the specific purpose of "teaching and training teachers of the colored race to teach in the common schools of North Carolina." It was named Elizabeth City State Colored Normal School and began operation in the Rooks Turner Building on January 4, 1892, with a budget of \$900, two faculty members, and 23 students.

During ensuing years, the institution survived a statewide effort to consolidate normal schools. Local citizens of both races were of immense help in this effort. The first Summer Session was in 1900 and on September 9, 1912, the institution moved to its current location.

Between 1891 and 1928, curricula and resources were expanded under the yeoman leadership of **PETER WEDDERICK MOORE**. Nine different academic programs — ranging from grade school to a "post-graduate" curriculum — marked Principal Moore's incumbency. The Normal curriculum had primary and grammar tracks. Enrollment increased from 23 to 355, and the faculty from two to 15 members by the time Dr. Moore retired on July 1, 1928. His

designation of President-Emeritus is believed to be the first such honor in the state.

Under the leadership of the second president, **JOHN HENRY BIAS**, the institution was elevated from a two-year normal to a four-year teachers' college in 1937. President Bias served from July 1, 1928, until his death on July 15, 1939. During his tenure the name was officially changed, by an act of the legislature, to Elizabeth City State Teachers' College, effective March 30, 1939. A second purpose was given to the school: the training of elementary school principals for rural and city schools. The first Bachelor of Science degrees were awarded to 26 graduates by President Bias on May 19, 1939. The sole major was Elementary Education, with primary and grammar tracks; the Secondary School Department was discontinued in 1931.

Serving from November 18, 1939, until he resigned on December 31, 1945, the third president, **HAROLD LEONARD TRIGG**, laid plans for physical expansion and concentrated his efforts on aiding students through the National Youth Administration at the College. He also strengthened the Elementary Education major. While Dr. Bias had the onerous task of maintaining the institution during the Depression, Dr. Trigg faced the rigors of World War II which buffeted the fledgling teachers' college.

SIDNEY DAVID WILLIAMS, who became the fourth president, served from January 1, 1946, until he retired on August 31, 1958. During his administration, the Association of Colleges and Schools (an organization of historically black institutions) recognized Elizabeth City State Teachers College as an "A"-rated institution in 1957, and improvements occurred in the curricula and physical plant. Dr. Williams was designated the second President-Emeritus of the institution by the Board of Trustees on September 16, 1969. President-Emeritus Williams (born 1892) died January 21, 1974.

The college experienced significant growth and development during the administration of **WALTER NATHANIEL RIDLEY**, the fifth president, September 1, 1958–June 1968. Curricular offerings were expanded between 1959 and 1963 from the two-track Elementary Education major to 13 additional degree-granting programs, providing 17 degree-granting tracks. Students also earned certificates in five vocational-technical programs for a total of 22

curricular options. Ten departments of instruction came into existence serving students pursuing both teacher-training and, for the first time, non-teaching programs.

The College was elevated from the "approved" list to full membership in the Southern Association of Colleges and Schools (SACS) in December 1961. Its accreditation has been reaffirmed by this regional agency since that time.

The school's name was changed from "State Teachers College" to Elizabeth City State College by a 1963 legislative act. In honor of his contributions to the institution, Dr. Ridley became the school's third President-Emeritus on March 3, 1988. President-Emeritus Ridley died September 26, 1996.

MARION DENNIS THORPE served as the sixth president (July 1, 1968 – June 30, 1972) and became the first chancellor of the institution (1972–1983), when the University was made one of the 16 institutions of The University of North Carolina.

Dr. Thorpe's administration was marked by vigorous efforts to improve the institution academically and physically. Increased UNC System funding allowed employment of additional experienced faculty members with doctorates, doubling the faculty size. Special programs for freshmen and increased emphasis on inter-institutional cooperation also marked his administration. Various offices and components were established, such as a Planning Division and offices covering Development, Institutional Research, the Archives and Records Center (then one of few historically black colleges with such), and Living-Learning Centers in student residence halls.

Other hallmarks of Dr. Thorpe's administration included: Trustee approval of recommendations for the school's first professors emeriti; completion of several buildings — including a 200-student residential complex; three new academic departments; 14 new degree-granting programs; six additional or variant program tracks; and an ROTC program. A Faculty Council was established; computer capability grew significantly; library holdings and usage increased; long-range and affirmative action plans were revised; a PABX telephone system was installed; a National Youth Sports Program was initiated; and the institution's history was written. Major fund-raising programs also

highlighted Dr. Thorpe's tenure, including incorporation of the ECSU Foundation (1971).

Dr. Thorpe broadcasted the institution's message worldwide. Just as President Ridley made a round the-world educational tour, Chancellor Thorpe made a Far East educational tour and sent the University Choir to Europe and the Bahamas. A sculpture, entitled "Life, Liberty, Pursuit of Happiness," was presented to the citizens of Elizabeth City. Dr. Thorpe served the second longest term as chief executive and was the second to die while actively in office — April 28, 1983. Two posthumous honors came that year: a Joint Legislative Resolution (June 27), believed to be a first of its genre; and an LLD 5 (October 28), granted by his alma mater, North Carolina Central University.

Following extensive service to the institution, successively as Assistant Academic Dean/Administration; Vice Chancellor for Academic Affairs and Dean of the Faculty; and, from May 1, 1983, Acting Chancellor, **JIMMY RAYMOND JENKINS**, '65, became the first alumnus to be named chief executive officer of Elizabeth City State University on October 14, 1983. Prior to his elevation as second Chancellor, Dr. Jenkins was instrumental in establishing several institutional improvements. These include a Health Careers center, a Division of General Studies (1977), the institution's designation as a Bicentennial Campus (1976), inaugurating a faculty extravaganza for student scholarships named "Scholarcade," and beginning the Extended Day Program.

Chancellor Jenkins' administration fostered numerous other institutional improvements, including seven new academic majors and eight degree-granting variants of existing programs. Other important innovations included community service efforts, attention to campus beautification and aesthetic improvements, establishment of an Airway Science concentration, and formation of an Office of Sponsored Programs, Contracts & Grants.

Additional accomplishments of the Jenkins Administration included the completion of a science complex housing the only planetarium in this part of the state, the erection of a computing laboratory, and construction of the Commuter Center. A 200-bed residence hall was constructed on a newly acquired tract of land long sought by the University, and plans

were initiated for constructing a fine arts building on another section of this land. Dr. Jenkins' staff was the first to occupy the newly finished M. D. Thorpe Administration Building named in honor of his immediate predecessor.

Having brought total alumni to just under 12,000 graduates while enriching his alma mater through the establishment of a Music Recording Studio, Teleconferencing Center, on-campus U.S. Postal Station, and accreditation with plaudits from SACS and NCATE, Dr. Jenkins resigned effective August 31, 1995. A grateful Board of Trustees named him ECSU's first Chancellor-Emeritus, December 19, 1995.

September 1, 1995, **MICKEY LYNN BURNIM** was appointed to serve as Interim Chancellor and on July 1, 1996, he became the 8th chief executive officer of the institution upon election by the UNC Board of Governors. Dr. Burnim quickly demonstrated his ability and interest in moving ECSU forward, giving special attention to developing a comprehensive strategic plan; enhancing faculty and staff governance; initiating new business, civic and educational partnerships; establishing the University's first two endowed professorships; providing leadership for the establishment of the University's first three master's degree programs in elementary education, biology, and mathematics; and implementing several new baccalaureate degree programs, including marine environmental science, social work, communication studies, graphic design, aviation science, and pharmaceutical science. In Fall 2005, under his leadership, the University implemented a joint pharmacy program in partnership with the University of North Carolina-Chapel Hill. Dr. Burnim has also led the development of a campus computer network, and he established strong fiscal integrity.

To improve operational efficiency, Dr. Burnim is credited for having reorganized the University into four schools: Arts and Humanities; Business and Economics; Education and Psychology; and Mathematics, Science, and Technology. Additionally, he directed the development of a comprehensive enrollment management and marketing plan, which, in Fall 2005, yielded for the third consecutive year the highest enrollment in ECSU's history. In 2001, he began the oversight of the largest construction and renovation project (\$46.3 million) ever undertaken at

ECSU, including the construction of a physical education/fieldhouse facility, a student center, and a new residence hall. In 2004, the University opened its first privatized student housing facility, Viking Village.

Under the leadership of Chancellor Burnim, national validation of ECSU's exemplary status was received from U.S. News and World Report, which ranked ECSU among its peers as #No.1 in the category of Top Public Comprehensive Colleges in the south in 2004 and ranked the University #No.3 in 1991, 2001, 2002, and 2005. In addition, the University was nationally recognized for its high student graduation rate by the Education Trust in 2004 and 2005, and by the NCAA Foundation and USA Today in 2001 and 2002.

In 1997, 2003, and 2005, accreditation of the teacher education program was reaffirmed by the National Council for Accreditation of Teacher Education (NCATE). In 2001-2002, ECSU's university-wide accreditation was reaffirmed by the Southern Association of Colleges and Schools (SACS). Additionally, the Department of Technology received accreditation from the National Association of Industrial Technology (NAIT) in 2001, 2003, and 2005, and the ECSU Laboratory School received accreditation from the National Association for the Education of Young Children in 2003.

On September 1, 2006, **WILLIE JAMES GILCHRIST** was appointed to serve as Interim Chancellor. Immediately upon his appointment, Dr. Gilchrist focused on priority initiatives such as enhancement of master's degree programs and online distance learning; increasing grant and research options for faculty; and expanding opportunities within the University's aviation science, music industries, teacher education, and pharmacy (UNC-Chapel Hill/ECSU Pharmacy Partnership) programs. On March 15, 2007, Dr. Gilchrist, '73, became the second alumnus to be named the chief executive officer of Elizabeth City State University. In the Fall of 2010, ECSU began its third year with Chancellor Willie J. Gilchrist as the ninth chief executive officer. While committed to offering students an outstanding education through 36 degree programs, Dr. Gilchrist identified two signature programs at ECSU. Those programs were selected based on the state's shortage of professionals available for current jobs or the expansion of new jobs in those areas. The signature

programs include Aviation Science and the UNC-Chapel Hill/ECSU Pharmacy Partnership program.

Students can earn a Bachelor of Science in Aviation Science at ECSU, the state's only four-year degree program. Students can choose from four minors that will prepare them for an assortment of new jobs in aviation and avionics.

In July 2004, the NC General Assembly allotted \$428 million to construct facilities for the Pharmacy Complex which opened in the Fall of 2010. The UNC-Chapel Hill/ECSU Pharmacy Partnership prepares students for careers as practicing pharmacists or pharmaceutical scientists. Increasing the number of pharmacists working in northeastern North Carolina is an important objective of this program. The new Pharmacy Complex, a three-story, 52,895 gross square foot building, opened for classes in September 2010. In the Fall of 2011, a new director for the Drug Information Center was hired. The Drug Information Center provides accurate and unbiased health information to health care professionals and the public in northeastern North Carolina and surrounding areas.

Due to a shortage of teachers across the state, Dr. Gilchrist also placed strong emphasis on ECSU's teacher education program. As current teachers retire and the state's population of school-age youths grows, additional teachers will be needed. The University offers a Bachelor of Science degree in education and two master's degrees that will prepare skilled teachers and administrators to dutifully serve in state schools. Under the leadership of Dr. Gilchrist, the University exhibited several signs of growth.

Since Dr. Gilchrist's interim appointment as chancellor in 2006, student enrollment increased from 2,681 to 3,307 students in the Fall of 2010. The University's performance as a public institution granting undergraduate degrees drew praise from a publication highly recognized among those ranking academic institutions. The U.S. News and World Report's 2012 Edition of Best Colleges rankings listed ECSU second in the Top Public Schools Regional Colleges (South) category. The Best Colleges report listed ECSU as #14 among the nation's Historically Black Colleges and Universities -- three notches higher than 2011's rank. The Top Public Schools Regional Colleges (South) is one of four regions considered for this category. Other

public colleges and universities are categorized by their location in the North, the Midwest and the West. The Historically Black Colleges and Universities (HBCU) were compared only with one another for these rankings. In order to be on the list, a school must be designated currently by the U.S. Department of Education as an HBCU.

The University's accreditation was reaffirmed at the annual meeting of SACS (Southern Association of Colleges and Schools Commission on Colleges) in Orlando, Florida on December 6, 2011. SACS requires that all schools are reaffirmed every 10 years. This reaffirmation of accreditation declares that the degrees ECSU awards are coming from an institution that is financially stable and has academically-qualified faculty and administrators and approved academic programs. Thus, the academic programs are sound and thorough and provide a solid education for ECSU graduates. In essence, the University is carrying out its mission.

To better serve the growing student body, faculty and staff, as well as guests from the community, more than 700 parking spaces were added to the campus. Under Dr. Gilchrist's administration, the University purchased two 56-passenger buses that comfortably transport students, coaches, staff and faculty to destinations across the northeast and southeast. In addition, ECSU owns one 12-passenger van; a handicap accessible shuttle; one 25-passenger bus, and two Cessna Skyhawks (single engine airplanes) purchased for the purpose of training pilots enrolled in the Aviation Science program. Recent facility upgrades include the renovations of E.V. Wilkins Academic Computer Center, H.L. Trigg and Lane Halls, the G.R. Little Library, the Mickey L. Burnim Fine Arts Center, the auditorium of Moore Hall, and the lobby of the K. E. White Graduate and Continuing Education Center.

Construction of the Willie and Jacqueline Gilchrist Education and Psychology Complex began in July 2010 and was completed in December 2011. The \$18.7 million facility contains 53 faculty offices, 14 classrooms, 2 computer labs, 2 virtual classrooms, and a Global Education Center on the first floor. Construction of a new three-story residence hall began in May 2011. Viking Tower, a 210-bed residence hall was completed in August of 2012.

Between June 2013 and September 20 2014, **CHARLES BECTON**, a former NC Court of Appeals judge, served as interim chancellor on July 1, 2013.

On October 1, 2014, **STACEY FRANKLIN JONES** was appointed Chancellor of Elizabeth City State University. As Chancellor, Dr. Jones initiated a new Path to Prominence which calls for expanding educational opportunities in Science, Mathematics and other STEM disciplines.

In January 2016, **THOMAS E.H. CONWAY** became Elizabeth City State University's 11th chief executive officer and 6th chancellor.

On December 14 2018, **KARRIE G. DIXON** was named 12th Chief Executive Officer and 7th Chancellor of Elizabeth City State University.

For more information on the development of the University, see: www.ecsu.edu.

ENROLLMENT MANAGEMENT

Elizabeth City State University has positioned itself to thrive in an ever-evolving and increasingly complex global society. With the demands of the 21st century, it is imperative that enrollments increase and are managed effectively. When this occurs, students who reach their potential as a result of their ECSU experience are invaluable in multiple markets. In addition, it is clear that recruiting targeted markets and deploying specific strategies tend to support increased graduation rates. Therefore, using a multi-faceted approach, the University addresses and manages enrollment concerns by coordinating the efforts of the following offices: Admissions and Recruitment, Student Financial Aid and Scholarships, Military and Veterans Affairs and the Office of the Registrar.

ADMISSIONS

The Office of Admissions works to enroll students whose academic achievements are reflective of a rigorous and engaging curriculum. That means we value intellectual ability, academic achievement, and personal abilities that contribute to the Elizabeth City State University community.

The policy that guides admission to Elizabeth City State University is set by the University Of North Carolina Board Of Governors as available in Chapter 700 of the UNC Policy Manual.

STUDENT FINANCIAL AID AND SCHOLARSHIPS

The Office of Student Financial Aid and Scholarships is committed to assisting students and families in planning for and meeting expenses associated with attendance at the University. We focus on establishing aid eligibility, awarding scholarships, grants, loans, and employment to eligible students, and providing financial aid counseling to students and families for the resolution of problems associated with financing an education.

MILITARY AND VETERANS AFFAIRS

The Office of Military and Veterans Affairs is committed to assisting veterans, active military members, spouses, and their dependents. From processing your education benefits to easing the transition from military service to campus life. We are here to help you on your journey. ECSU will give our veterans the support and raise awareness of veterans' issues among the campus and local communities, and support student veterans through graduation and into a rewarding career.

UNIVERSITY REGISTRAR

The Office of the Registrar is the steward of student records from the point of matriculation to the conferral of the degree. We offer a wide range of services to faculty, students, and members of the administration in the areas of academic records, student status, transcript requests, course enrollment, and graduation.

OFFICE OF ADMISSIONS

Admission to Elizabeth City State University is granted to all applicants who meet the minimum admission requirements. Equal consideration is given to all applicants, regardless of race, creed, national origin, or disabling conditions. The University reserves the right to bring closure to the admissions process when no further space is available. Official notification of admission eligibility will be sent to each applicant immediately after all credentials have been thoroughly evaluated.

It is recommended that high school students apply for admission to ECSU at the start of their senior year of high school. Closing dates for the submission of a completed application are listed below:

Early Fall Admission	May 1
Deadline	

Priority Fall Semester Admission Deadline	August 1
Early Spring Admission Deadline	November 1
Priority Spring Semester Admission Deadline	December 1
Summer Session Admission Deadline	The First Day of Instruction

Admission and application deadlines for Special Programs, Summer Sessions, and other Continuing Education courses and/or programs are announced through appropriate publications.

Application Process

1. Application forms may be submitted online at www.ecsu.edu or in person at:

The Office of Admissions
Elizabeth City State University
Campus Box 901
1704 Weeksville Road
Elizabeth City, North Carolina 27909
2. Applications must be accompanied by a nontransferable, nonrefundable \$30 application fee (or fee waiver), a current official transcript, and Scholastic Aptitude Test (SAT) or American College Test (ACT) test scores.
3. Transfer applicants must have forwarded to Elizabeth City State University an official transcript of all previous college work and an official high school transcript(s), if applicable. Applications must list all colleges attended, including date(s) of attendance. After being accepted, each student is required to submit official final documentation of high school transcripts, college transcripts, and test scores. Students who do not submit all required documents and/or forms as requested by the first day of instruction, will have an administrative hold placed on their students account and/or be subject to disenrollment from the University.
4. All identified Military affiliated students will be referred to the office of the Director of Military Affairs for further assistance. This office is required to have on file an official high school transcript for all undergraduate students, including transfer students, who are eligible to receive VA

benefits. Certification will not occur if official transcripts from previously attended institutions are not submitted for application processing.

Elizabeth City State University admits students at the beginning of the Fall, Spring, and Summer terms. Failure to submit applications with complete and accurate information will result in the cancellation of registration and dismissal from the University.

Early Admission Program

The Early Admission Program provides the opportunity for promising high school students to take college-level courses while enrolled in high school. To be eligible, students must have completed their junior year, have a combined SAT score of 1000 or higher, or ACT score of 21 or higher, and a cumulative grade point average of 3.0 or higher. The applicant must submit a formal application for admission and recommendations from counselors or the principal. Students who enroll in the Early Admissions Program are guaranteed a standard offer of admission to ECSU provided they fulfill all Minimum Course Requirements (MCR) and Minimum Admission Requirements (MAR) of the UNC System at the conclusion of their senior year.

Minimum Course Requirements

In addition to the requirement that students should hold a high school diploma or its equivalent, the University Of North Carolina Board of Governors has, since 1988, established minimum course requirements for undergraduate admission, including a fourth unit of mathematics. These requirements are summarized below:

Six course units in **language**, including

- four units in English, and
- two consecutive units of a language **other than English**.

Four course units of **mathematics** in any of the following combinations:

- Common Core I, II, III, and one unit beyond common Core III
- 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 fourth unit of math affects applicants to all UNC institutions except the North Carolina School Of the Arts). It is recommended that prospective students take a mathematics course unit in the twelfth 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 science** (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, but an applicant who does not have the unit in **U.S. History** may be admitted on the condition that at least three semester hours in that subject will be passed by the end of the sophomore year at Elizabeth City State University.

Applicants who graduated from high school from **June 1990 to June 2006** must meet the following:

- Graduation from an accredited secondary school (If the applicant did not graduate, a high school equivalency or GED is required.)
- Presentation of a satisfactory combination of high school grade point average (GPA), and SAT or ACT scores. A high school GPA of 2.0 or above.
- Students must also pass the North Carolina Competency Examination or its equivalent in their state or country of origin.

*UNC Policy Manual 700.1

Minimum High School GPA and SAT/ACT Scores

Applicants for first-time admission as freshmen must meet minimum high school GPA and SAT scores as indicated in the chart below.

Students Entering in the Fall	Minimum GPA	Minimum SAT	Minimum ACT
	2.5	880	17

*University of North Carolina Policy Manual 700.1

RISING VIKING SCHOLARS (RVS)(MAR PILOT)

The “Rising Viking Scholars” Program allows for ECSU to admit students who have high grade point averages and meet RVS Program specified SAT/ACT university requirement thresholds. The RVS Program aims to provide an opportunity to prospective in-state degree seeking applicants.

Graduate of Cooperative Innovative High Schools - Early College

Beginning with the 2016-2017 admissions application cycle for enrollment in the 2017-2018 academic year, each UNC constituent institution must offer to any student who graduated from a cooperative innovative high school program with an associate degree and who applies for admission to a constituent institution the option of being considered for admission as a freshman or as a transfer student.

Frequently Asked Questions

Q. Is the GPA score based on the weighted or un-weighted GPA?

A. The weighted GPA will be used to determine if the student satisfies the minimum GPA requirement.

Q. Is the GPA calculated based on all my courses or just the courses for the college preparatory curriculum?

A. The GPA is the cumulative GPA based on all courses taken during high school.

Q. If I take the SAT or ACT more than once, will my highest combined score be used even if it is derived from two different test dates?

A. Yes. The highest score received on any administration of the SAT for evidence based reading and writing will be combined with the highest score received on mathematics. The highest score on each ACT subscore will be used for computation of the composite.

Q. What if my GPA is under 2.50, but my SAT is more than 880? Do I meet the requirements?

A. No, you must meet both the minimum GPA and the minimum SAT score to be eligible for admission. Exceptions to the minimum requirements are handled on a case-by-case basis and in rare instances.

Q. What if I graduate in 2010, but do not apply to Elizabeth City State University until 2017? What requirements must I fulfill?

A. The minimum scores that were in effect the year you graduated from high school will be applied to determine eligibility.

Q. What if I decide to go to the community college first and transfer later? Does my high school GPA and SAT/ACT scores count toward admissions?

A. If you complete the A.A. or A.S. degree or a minimum of twenty-four (24) transferable semester hours with a minimum cumulative GPA of 2.00 from the community college, then the minimum GPA and test scores do not apply, but you will be evaluated on your performance at the community college. If you do not complete the A.A. or the A.S. degree or twenty-four (24) transferable hours with a minimum cumulative GPA of 2.00 from the community college, then your high school GPA and SAT scores will be used to determine eligibility.

Admission: Transfer Students or Advanced Standing

1. The Admissions Office will consider applications from students seeking to transfer from junior and/or community colleges or four-year colleges and universities accredited by their respective regional associations if the applicants have an overall cumulative GPA of 2.0 (C) or above in the institution from which they are transferring and if they are eligible to return to that institution.
2. Each transfer applicant must provide official transcripts covering all college work attempted. College courses that have not been completed within the last seven years may need to be reviewed by your academic program of study to determine transferability for transfer credit.
3. Transcripts will be evaluated in relation to the requirements of the specific academic program for which the student is accepted.
4. Grades less than "C" will not be accepted for transfer credit.
5. Students who have been placed on academic probation at their institutions but who are eligible to return to that institution will be considered for admission with the same status at Elizabeth City

State University. Students who have been dismissed or suspended for disciplinary reasons from their institutions will not be permitted to enroll at ECSU.

6. Prospective students who have attended an accredited college but who have earned less than 24 semester hours of transferable credit must meet the freshman admission requirements. Also, the students must be eligible to return to the previous institution. Therefore, a transfer clearance form must be submitted by all applicants.

Special, Transient, and Military Students

(Not Applicable to Freshmen or Transfer Students)

1. Applicants who are regularly enrolled students at another institution may be admitted as a transient student provided the appropriate official at their institution: (a) authorizes their attendance at Elizabeth City State University, (b) approves in advance the course work, (c) indicates the individual is in good standing at that institution, and (d) approves the transfer credits taken at ECSU.
2. Special students are admitted for one term only (space permitting) and must be readmitted at the beginning of each subsequent term. Such applicants may be required to present evidence of having earned a college degree or evidence of the need for a specific course.
3. All special students who desire to become candidates for a degree at Elizabeth City State University must meet appropriate admission requirements.
4. Special students are designated as those who are: (a) seeking certifications, (b) seeking licensure, (c) members of a college/university consortium, (d) auditing courses, or non-degree seeking.
5. A maximum of 24 semester hours may be completed as a special student. Also, special students are not eligible for financial aid. For specific questions on any of these categories, please contact the Office of Admissions and Recruitment at (252) 335-3305.
6. The University of North Carolina and its constituent institutions are committed to equality of opportunity. The University administers nondiscriminatory admissions policies by fairly evaluating the records of applicants. For purposes

of undergraduate admission to any constituent institution of The University of North Carolina, any individual having completed a minimum of two years of cumulative active duty service in the United States Armed Forces who otherwise meets the criteria for a transfer student will be considered a transfer student in the admissions process pursuant to 700.1.1.1[R], Special Consideration 3, with the branch of service functioning as the institution of transfer. If discharged from active duty, the veteran must have received an Administrative Discharge. This policy shall not apply to veterans receiving a "Bad Conduct or Dishonorable Discharge." Under conditions set forth by the President in regulations associated with this policy, applicants in this profile may be offered special consideration with regard to the minimum admissions and minimum course requirements for transfer students. Nothing in this policy guarantees admission for students who do not meet institutional academic standards for admission. Constituent institutions retain sole authority for admissions determinations.

NC Residency Determination

NC Residency Determination Service (RDS)

Effective February 20, 2017, UNC General Administration will manage and process all residency determinations, reclassification requests, and appeals for new and continuing undergraduate and non-degree seeking students. After this date, any new or readmitting undergraduate or NDS student who would like to apply for in-state residency consideration for tuition purposes, will need to apply for reclassification through the North Carolina Residency Determination Service questions and concerns can be directed to: rdsinfo@ncresidency.org, 919-835-2290, or 844-319-3640.

Please read below for more details about the new NC RDS process.

Purpose and Background of North Carolina Residency

The state of North Carolina substantially subsidizes the cost of tuition for all students whose domicile, or permanent legal residence, is in North Carolina. Since

it first became a state, North Carolina has abided by the philosophy that an educated public is necessary to a democratic government and that the State, therefore, has an obligation to provide for the education of its people. Article IX, Section 9, of the State Constitution states "The General Assembly shall provide that the benefits of the University of North Carolina and other public institutions of higher education, as far as practicable, be extended to the people of the State free of expense". Therefore, while North Carolina welcomes out-of-state students it considers the privilege of providing a reduced in-state tuition rate to be a taxpayer benefit. Among other benefits provided only to students who meet the domiciliary requirements is eligibility for consideration for State-sponsored programs of student financial aid to help pay for college expenses. The same rules that govern residency determination for in-state tuition are also applicable to the residency status for State aid programs at both public institutions and independent colleges and universities. For decades the determination of residency has resided on the campus where the tuition benefit and/or the State aid were administered.

In 2013, the NC General Assembly became concerned about inconsistency in residency determinations across institutions of higher education in North Carolina. The General Assembly legislatively directed UNC General Administration (GA), the NC Community College System (NCCCS), the NC State Education Assistance Authority (SEAA) and the NC Independent Colleges and Universities (NCICU) to create a centralized, uniform process for determining residency for tuition purposes and for administration of state financial aid. This centralized process is known as the Residency Determination Service (RDS). In order for a student to receive the benefits of in-state tuition and/or State student aid a residency determination from RDS is required. A student generally only has to complete the RDS one time instead of seeking separate residency determinations at multiple colleges and universities. To learn more about residency and complete a determination go to www.NCresidency.org.

Residency Determination Service (RDS)

The purpose and mission of RDS is to provide leadership and administration of residency

determinations in accordance with North Carolina residency laws and applicable federal statutes. The RDS goal is to provide students access to transparent information and the opportunity to claim NC residency in a simple, accurate and straight forward manner. For more information on residency for tuition purposes contact RDS at: www.NCresidency.org, 844-896-2411 (phone), 919-835-2427 (fax)

Determining Residency Status

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

Under North Carolina law, to qualify for in-state residency, you must show that:

- You have established your legal residence (domicile) in North Carolina
- You have maintained that domicile for at least twelve (12) consecutive months before the beginning of the term
- You have a residentary 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 categories authorized by the North Carolina Legislature. All other persons are ineligible for classification as a North Carolina “resident for tuition purposes” and will be charged out-of-state tuition and not given consideration for State financial aid. To learn more about residency and complete a determination go to www.NCresidency.org.

Determination of Intent

Because it is difficult to determine a person’s intent to make North Carolina his or her home, RDS must evaluate actions taken by the person that may indicate a “domiciliary intent.” RDS considers the following factors, which may be significant, in determining this intent:

- Do you live in your parent’s home?
- Where were, or are, you permanently employed?
- Where are you registered to vote?
- What are your sources of financial support?
- Where have you registered your vehicle?
- Which state issued your current driver’s license or state I.D. card?
- Where do you own a home or other real estate that serves as your primary residence?
- Where did you file state income tax returns?
- Where did you last attend high school?

No single factor or combination of these factors may be considered conclusive evidence of domicile. Moreover, because domicile is defined as a true, fixed and permanent home, individuals who are present in North Carolina on a temporary basis, e.g., for the purpose of completing a degree, cannot establish domicile merely by taking these actions. To learn more about residency and complete a determination go to www.NCresidency.org.

Requests for Resident Status

For many students, the residency classification process is simple and occurs around the time of your application for admission to college. If you were born in North Carolina and have lived in the State all your life, you will probably be one of many students who are classified as North Carolina residents. If you lived in another state at the time of application, still have strong ties to another state, or have lived in North Carolina for only a short period of time, the process may be more complicated. RDS may require more in-depth information or documentation to determine whether you are a legal resident of North Carolina. The information that you submit will be validated against federal and North Carolina state agency databases. Please keep a copy of all application materials for your records. Additional information about the RDS process is available at www.NCresidency.org.

What to expect when using RDS

Applicants can complete the RDS process before, during, or after completing the admissions application. You will only have to complete the process once, no matter how many NC college or university admissions applications you complete. You will complete an online interview and may be asked to provide documentation afterward. Required information will include identification numbers for you and/or your parents, such as you might provide for the Free Application for Federal Student Aid (FAFSA). It is a good idea to have this kind of information easily available at the time you complete the RDS interview. If you do not, RDS will save any confirmed information and allow you to re-enter the interview process where you left off.

Transfer Students

Should you transfer between institutions at any level (community college to community college, community college to university, or vice versa), or if you apply to a different academic level (i.e., undergraduate to graduate) within the same institution, you must reapply via RDS to receive in-state tuition or to be considered for State student aid. For students who are continuously enrolled no reconsideration is necessary when applying to or changing programs at the same academic level, unless the classification is rebutted by new information.

Currently Enrolled Students Claiming Resident Status

Students who have been determined as nonresidents, or who have experienced a change in facts or circumstances that may your current determination, may request a reconsideration of their determination for tuition purposes through RDS. Your presence in NC as an enrolled student does not guarantee that you will be able to gain residency for tuition purposes. To request reconsideration go to www.NCresidency.org and login to your account.

Reconsideration and Appeals

Students who have been determined as nonresidents by RDS may request a reconsideration and appeal of their determination for tuition purposes through RDS.

To request a reconsideration or appeal, go to www.NCresidency.org and login to your account.

Military Personnel

“Choice Act”

Section 702 of the Veterans Access, Choice, and Accountability Act of 2014, 38 USC 3679 (c) (the Choice Act), requires that the U.S. Department of Veterans Affairs (VA) disapprove and withhold funding under programs of education under the Post-9/11 GI Bill (Chapter 33) and Montgomery GI Bill (Chapter 30) at a public institution of higher learning (IHL) if the institution charges qualifying Veterans and other eligible individuals (“covered individuals”) tuition and fees in excess of the rate charged to resident students. On June 23, 2015, Senate Bill 478 was enacted to conform North Carolina law with the Choice Act, thereby creating North Carolina General Statute § 116-143.3A, which, on July 9, 2015, the VA certified as being compliant with the Choice Act.

N.C.G.S. § 116-143.3A(a)(3) defines “veteran” as a person “who has served active duty for not less than 90 days in the Armed Forces, the Commissioned Corps of the U.S. Public Health Service, or the National Oceanic and Atmospheric Administration and who was discharged or released from such service under conditions other than dishonorable.” This definition covers the groups defined in Section 702.

Please contact the Veteran Resource and Information Center at veteran@ecu.edu or call 252.335.3774 for more information.

Advanced Placement Program/College Level Examination Program (CLEP)

Elizabeth City State University participates in the Advanced Placement Program and the College Level Examination Program (CLEP) of the College Entrance Examination Board. Students who have demonstrated their achievement of specific Advanced Placement Tests or College Level Examination Program – subject exams only – may have the results submitted to the University for consideration for placement in advanced courses and for college credit.

All students are encouraged to take these tests, and they may qualify for advanced placement and credit by taking departmental tests in their area of specialization. Based upon these test results, the amount and nature of the credit granted is determined by the pertinent department of instruction.

Course Audits

1. Students enrolled at the University or students admitted with satisfactory records of experience and education may enroll for specific courses as auditors.
2. Students who audit courses must register in the University Registrar's Office, pay regular fees, and be regular in attendance, but they will not receive grades or credit.

FINANCIAL AID PROGRAMS

The Financial Aid Programs at Elizabeth City State University are designed to assist students and their parents in financing the cost of the student's education. Students who are enrolled or accepted for enrollment and are citizens or permanent residents of the United States are eligible to apply for financial aid. Assistance available to eligible students consists of grants, loans, scholarships, and part-time employment. Limited assistance is available for international students. Students can locate information regarding financial aid missing information, awards, etc. via Self-Service Banner (SSB). New students obtain their credentials (or obtain their VikingOne and student ID) at the time of acceptance to the University.

How To Apply for Financial Aid

All students must complete and have processed a Free Application for Federal Student Aid (FAFSA) form every year before financial aid can be offered. Students must also list the school code 002926, on the FAFSA application (www.FAFSA.gov) in order for the University to obtain their financial aid data. The FAFSA opens on October 1st each year and students are encouraged to complete this as early as possible. Students who complete the application process by March 1 will be considered first for priority funding. Certain grants and scholarships may not be available to students who apply after that date, as funds in these programs are limited.

All interested students who wish to receive any kind of financial aid at ECSU must complete the above described application process. Deadline dates for having a complete application on file are July 1 for the Fall Semester, December 1 for the Spring Semester, and May 1 for Summer semester.

Should you have Financial Aid questions, please call: (252) 335-3283.

Grants

FEDERAL PELL GRANT

Federal Pell Grant eligibility is based on the Expected Family Contribution (EFC), which is calculated by the Department of Education based on the information submitted on the FAFSA, the number of credit hours per semester, and the cost of attendance. Students who have already earned a bachelor, master, or professional degree are not eligible for the Federal Pell Grant.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG)

FSEOG is awarded based on your Expected Family Contribution (EFC). Students with the lowest EFC receive priority.

North Carolina Education Lottery Scholarship (ELS)

The North Carolina Education Lottery Scholarship (ELS) was created by the 2005 General Assembly to provide financial assistance to needy North Carolina resident students attending eligible colleges and universities located within the state of North Carolina. *Eligibility is determined based on need. This award is determined by the state of North Carolina.*

University of North Carolina Need-Based Grant (UNCIG)

UNC Need Based Grants are available for eligible students attending one of the 16 campuses of the University of North Carolina. Eligibility is determined based on need. This award is determined by the state of North Carolina.

Scholarships

Scholarship awards are based upon various criteria and do not require repayment. Academic excellence, financial need, and major of study are just a few of the criteria used for selecting recipients. Each scholarship has different academic performance criteria. The University offers various scholarships either through the Office of Student Financial Aid & Scholarships or through various academic departments on campus. For a listing of additional scholarships, please visit the following websites: www.cfnc.org, <https://www.tmc.org/our-scholarships>, and www.studentaid.ed.gov/scholarship

UNC CAMPUS SCHOLARSHIPS

UNC Campus Scholarships are awarded to entering North Carolina Residents as Freshmen that graduate from a North Carolina high school or New Transfer students who meet the admissibility criteria and apply for federal aid by completing and submitting the Free Application for Federal Student Aid (FAFSA).

This award has a maximum value equal to the cost of tuition, fees, room, board, and books up to \$2,500 per academic year. Freshman students can receive this scholarship for up to 8 semesters; new transfers for up to 4 semesters.

Continuing eligibility is based on the student completing the FAFSA each year and maintaining Satisfactory Academic Progress (SAP) as identified by the institution and be enrolled full-time.

Loans

Loans are money borrowed that must be repaid, with interest. Eligible students must be enrolled at least six credit hours to receive a federal loan. A promissory note must be signed and completed along with entrance counseling before loans funds can be disbursed.

William D Ford Federal Direct Loan (Direct Loan) Programs

Direct loans are backed by the federal government. The U.S. Department of Education is the lender. Credit checks are not required for Federal Direct loans. There are two types of Direct Student Loans:

subsidized and unsubsidized. Students must demonstrate financial need as determined by the FAFSA to receive a subsidized Direct Loan. The U.S. Department of Education will pay the interest on a subsidized Direct Loan during certain periods of enrollment. A promissory note and entrance counseling must be completed at www.studentloans.gov. Additional information regarding interest rates and repayment options can be found online at <https://studentaid.ed.gov/sa/>.

Direct PLUS Loans:

These are loans made to eligible parents of dependents, graduate or professional students to help cover the cost of education. PLUS loans do require a credit check. Additional information can be found online at <https://studentaid.ed.gov/sa/>. Parents can apply online at www.studentloans.gov.

ANNUAL LOAN LIMITS:

Dependent Students:

- Freshmen: \$5,500 - Maximum \$3,500 subsidized
- Sophomores: \$6,500 - Maximum \$4,500 subsidized
- Juniors/Seniors: \$7,500 - Maximum \$5,500 subsidized

Independent students (and dependent students whose parents are unable to obtain PLUS Loans):

- Freshmen: \$9,500 - Maximum \$3,500 subsidized
- Sophomores: \$10,500 - Maximum \$4,500 subsidized
- Juniors/Seniors: \$12,500 - Maximum \$5,500 subsidized

Maximum Total Debt Upon Completion of Undergraduate Studies:

- Dependent Students: \$31,000 - Maximum \$23,000 subsidized

- Independent Students: \$57,500 - Maximum \$23,000 subsidized

Financial Aid Policies and Conditions of Awards

The following financial aid policies and conditions of award apply to students who are recipients of federal or state financial assistance while attending Elizabeth City State University:

- Students must apply annually for federal aid by completing the Free Application for Federal Student Aid (FAFSA) at www.fafsa.gov
- Students are encouraged to apply by March 1 of each year for priority funding opportunities
- Students must be regularly admitted to ECSU in a degree-seeking status and must be enrolled in an eligible degree-seeking program prior to the first day of the term to participate in federal and state aid programs. Provisionally-admitted and special-admitted students are not eligible for financial assistance. Transient students should contact their home institution for financial aid.
- Students must (1) meet the school's Satisfactory Academic Progress Standards, (2) not owe a refund on any grant or be in default on any educational loan and (3) not have borrowed in excess of the loan limits under the Title IV programs at any institution.
- Financial aid is limited to coursework required for the declared major as stated in this catalog. Financial aid is not available for audit courses. Students are allowed to receive financial aid while repeating a previously-passed class once.
- Students must be engaged in classes in which they have enrolled to be eligible for aid payment.
- Students must submit all required documents. Failure to submit the requested documents may result in a delay or loss of financial aid funds.
- The Office of Financial Aid and Scholarships cannot award federal, state, and institutional funds over the student's published Cost of Attendance budget.
- Any outside scholarships or alternative loans must be reported to the Office of Financial Aid and Scholarships - these funds may require the reduction of other financial aid the student receives.
- Financial aid awards are based on full-time enrollment for each term awarded. Less than full-time enrollment may require an adjustment to the aid award. Undergraduate enrollment consists of a

minimum of 12 hours to be full-time. Graduate students enrolled in 9 semester hours are classified as full-time and 4.5 semester hours as half time.

- Students awarded an educational student loan must complete loan counseling prior to their first loan disbursement. Federal regulations require that first-year, first-time borrowers will have their first loan disbursement delayed 30 days after enrollment. Counseling is available online at www.studentloans.gov.
- Financial Aid is awarded on an annual basis (Fall and Spring). Institutional charges (tuition, fees, room and board) will be deducted from the financial aid award each term. Students should be prepared to pay any difference owed by the fee payment deadline. For students with aid greater than the institutional charges, any remaining funds are released no later than 14 calendar days after their first day of class or the balance occurs, whichever is later.
- Employment in the Federal Work-Study program is not guaranteed. Awards are based on funding and position availability. Students cannot earn more than their annual award. Students who receive an "unsatisfactory" job performance evaluation will be terminated from the program.
- Students receiving financial aid who withdraw or who stop engaging all classes are subject to regulations regarding the return of funds to the aid programs. Federal aid recipients withdrawing before the 60 percent point of the term may owe a repayment of federal funds received. Refer to the Withdrawal Policy of this catalog.

Satisfactory Academic Progress - Financial Aid

To be eligible to receive Financial Aid, which includes funds from federal, state, and institutional programs, students must maintain Satisfactory Academic Progress (SAP). Elizabeth City State University (ECSU) is required by the U.S. Department of Education to establish minimum standards of SAP, which means the student is progressing in a positive manner toward graduation. SAP is calculated each semester and includes all periods of the student's enrollment, including periods in which the student does not receive financial aid funds.

SATISFACTORY ACADEMIC PROGRESS

Students attending ECSU must be in good academic standing and making satisfactory progress with a minimum grade point average (GPA) and completion rate in accordance with the maximum time frame, as stated below.

All students who wish to qualify for financial aid must meet three standards known as SAP. These standards include:

Grade Point Average (Qualitative)

If a student's GPA falls below the required minimum cumulative GPA (2.0 for Undergraduate students, 3.0 for Graduate students), his or her eligibility to receive financial aid will be in jeopardy.

A student will be placed on financial aid warning for the semester following the term the student fails to earn the required minimum cumulative GPA. The student has the next semester of attendance to earn the required minimum cumulative GPA. The student may receive financial aid while on financial aid warning.

At the end of the warning period, if the required minimum cumulative GPA is met, the student is taken off financial aid warning. If the required minimum cumulative GPA is not achieved, then the student will be put on financial aid suspension during the next semester of attendance. The student will not receive financial aid assistance while on financial aid suspension.

Transfer credits are not included in the computation of the cumulative GPA for financial aid unless the credit was earned while attending other schools as a Transient Student, a student taking classes at another institution as an ECSU student.

Completion Rate (Quantitative)

Students must complete a minimum of 67 percent of coursework attempted each semester. The total cumulative earned hours consist of hours earned at ECSU and accepted transfer credits.

Earned Hours are comprised of the following grades: A, B, C, D, P

Unearned Hours are comprised of the following grades: F, I, IF, IP, W, WA, WD

Maximum Time Frame

All students must complete their program of study within a maximum time frame of one and-one-half (150 percent) times the length of the program in which they are enrolled. This means that once a student has attempted one-and-one-half times the minimum number of credit hours necessary for completing program requirements, the student becomes ineligible to receive financial aid.

Attempted hours include all attempted hours at ECSU and all accepted transfer credit. Double majors are expected to complete their program of study within 186 credit hours. If the student qualifies for graduation in a particular major but makes a personal decision to double major, the student is no longer entitled to receive Federal Title IV Aid.

Second degree students are required to complete their second degree within the maximum 150% of the hours required for the second degree (maximum of 228 including hours for the first degree). For graduate students, the maximum time frame is 54 attempted hours. If the time limit has been exceeded, aid eligibility ends. The student will be placed on financial aid suspension status.

Grades

Grades of IP (in-progress), W (withdrew), WA (withdrew administratively), WP (withdrew passing), WF (withdrew failing), and WD (withdrew from the university) are not included in calculating a student's GPA, but are counted as course work attempted. I (incomplete) and FA (failure due to absenteeism) are counted as an F. All grade changes must be submitted and processed during the first 10 days of classes of the following semester.

Financial Aid Warning

A student will be placed on financial aid warning for one semester when the student does not meet all three SAP standards at the end of a semester, including summer sessions. Students with a status of financial aid warning may receive financial aid and enroll in courses.

A student on financial aid warning must meet all

three SAP standards at the end of the next semester of attendance to be in good financial aid standing. Failure to do so will result in financial aid suspension.

Financial Aid Suspension

A student is placed on financial aid suspension when the student does not meet all three SAP standards for two consecutive semesters of attendance, including summer sessions. The first semester not meeting SAP is the Financial Aid Warning period. A student on financial aid suspension may NOT receive financial aid.

A student on financial aid suspension must meet all three SAP standards at the end of the suspension period (one term) to return to good financial aid standing.

Once a student is on financial aid suspension, the student must pay for the next attending semester at his or her own expense (alternative loans may be used). All federal, state, and institutional funds are removed for the semester(s) the student has to pay.

Appeal of Financial Aid Suspension

If a student has experienced special circumstances (limited to personal illness or injury, family member illness, injury, or death, job related issues, victim of a crime, and other) during the most recent evaluation period that s/he did not meet standards of academic progress, an appeal to request reinstatement of financial aid eligibility can be submitted. A completed appeal form and supporting documentation is required before the appeal will be reviewed. Acceptable supporting documentation is outlined on the Financial Aid Appeal Form.

In some situations, an academic plan may be required. If the appeal request is granted, the student will be placed on financial aid probation for a minimum of one semester.

- One Semester Probation – The student is eligible for financial aid, and is expected to improve and meet minimum standards by the next evaluation period to maintain eligibility.
- SAP Academic Plan – A student who cannot meet

the minimum standards by the next evaluation period is placed on a SAP academic plan developed with the assistance of an Academic Advisor. The academic plan is designed to allow the student to meet minimum standards within a fixed number of evaluation periods (generally two semesters). Progress is checked each semester and evaluated based on the terms of the plan. If the student fails to meet the requirements of the plan, they will become ineligible for financial aid. If a student meets the minimum SAP standards while on an academic plan their financial aid status is updated to eligible at their next checkpoint.

If the appeal request is not granted, the student will remain ineligible for financial aid until they meet all minimum standards. The appeal decision is final.

Withdrawal Policy (Treatment of Title IV funds when a student withdraws)

Financial aid is awarded to a student under the assumption the student will complete the entire period for which the aid was awarded. If a student withdraws on or before the 60% (as measured in calendar days) of the semester, the student may no longer be eligible for the full disbursement of Title IV aid and other financial aid awarded.

The University has a federally mandated return of funds policy that governs the return of funds when a student withdraws from the University either officially or unofficially. Title IV aid includes the following aid programs: Federal Student Subsidized and Unsubsidized Loans, Federal PLUS Loans, Federal Perkins Loans, Federal Pell Grants, and Federal Supplemental Educational Opportunity Grants (SEOG).

The Return Calculation will be completed within the appropriate guidelines and timeframes provide by the U.S. Department of Education. Once the calculation is complete, the University will notify the student in writing of any adjustments to their aid for the semester. The University will follow all applicable federally mandated deadlines for determining withdrawal dates, returning fund(s), and post-withdrawal disbursement(s). All funds will be returned within 45-days after the school has

determined that the student withdrew.

Students who are seeking to withdraw and who have borrowed loans at the University are required to complete a Direct Student Loan Exit interview at www.studentloans.gov.

BUSINESS & FINANCE

FALL AND SPRING CHARGES

FALL & SPRING CHARGES

Tuition and fees are due and payable prior to the beginning of each semester. Failure to pay current semester charges may cause your schedule to be canceled. Account balances that remain unpaid will incur a 5 percent interest charge monthly. Students with account balances after the start of a session will incur a onetime late payment fee after the start of a semester of 10 percent of the balance of the account.

Unpaid charges on your account will prevent you from registering for an upcoming term.

Continuing students who do not preregister are charged a \$100.00 late pre-registration fee. Visit www.ecsu.edu for current tuition fees charges and other charges.

Students living in the University Towers, the Complex, Butler Hall, Bias Hall, and University Suites will be required to pay an additional \$144 per semester. Students assigned to single rooms will also be charged an additional \$319 per semester.

Certified checks or money orders should be made payable to "Elizabeth City State University". Please indicate student's name and banner identification number on the face of the payment to ensure proper credit. Charge cards (Visa and Master Card) are also accepted by the University Cashier. We encourage students to utilize the online bill payment system Self Service Banner (SSB) to make payment on their student account. SSB is available 24 hours a day, seven days a week.

In the event that a student is unable to pay the full amount due for any semester, assistance should be sought early enough to avoid registration delays. Inability to meet financial obligations does not prevent the charges of interest and late payment fees. Payment plans are available and must be set up prior

to registration day. The earlier the payment plan is established, the more favorable the payment terms. Fall payment plans set up prior to June 15 allow payments to be spread over five months, plans set up prior to July 15 allow payments to be spread over four months, plans set up prior to August 15 allow payments to be spread over three months. Spring payment plans set up prior to November 15 allow payments to be spread over given months, plans set up prior to December 15 allow payments to be spread over four months, plans set up prior to January 15 allow payments to be spread over three months. Payment of any outstanding balance remaining from a previous semester is a prerequisite for attending ECSU. All deferred fees must be paid by the end of the applicable semester. Interest and penalty charges may be included on all past due accounts.

Semester grades or transcripts will not be accessible on Self Service Banner (SSB) or sent to students with outstanding balances.

Special Charges and Fees

APPLICATION FEE

Every admissions application must be accompanied by a non-refundable fee of \$30. This fee may be paid online or in form of a certified check or money order made payable to "Elizabeth City State University."

DIPLOMA FEE

A processing fee is charged for any diploma reordered after graduation. Shipping and handling charges will be added to this fee. Please call (252) 335-3300 for current costs.

ID CARD FEE

A \$20 duplicating fee will be charged for the replacement of a lost or misplaced ID Card. There is a \$10 fee for a replacement of a damaged card. ID cards may be obtained at the ID Office located in the Campus Post Office, Ridley University Center. No refunds will be made for cards which are lost and then found after they have been replaced. Each

student is required to carry an ID card at all times on campus and to present that ID card to an authorized official upon request.

GRADUATION FEE

A graduation fee of \$50 covers the cost of the commencement activities. It must be paid at least 45 days before graduation by any senior planning to graduate. Please see the Campus Store for graduation regalia, customized diplomas, and announcement prices.

SENIOR FEE

The senior fee is determined by the senior class and covers the cost of senior activities during Senior Week. It must be paid at least 45 days before graduation by any seniors planning to attend the activities.

ENROLLMENT AND ORIENTATION FEE

A \$170 non-refundable charge covers your intent to enroll and the cost of the orientation program. The non-refundable fee in the form of a certified check or money order must be paid within three weeks after receiving a Certificate of Acceptance from the University. This fee is not applied towards payment on your tuition and fees for those students who attend the University.

PRE-REGISTRATION CHARGES

A \$100 non-refundable fee will be assessed for any continuing student who fails to pre-register prior to deadline.

LATE REGISTRATION CHARGES

Any student who completes registration after the last official registration date must pay a \$100 late registration charge.

HOUSING APPLICATION FEE ROOM DEPOSIT

Once a year, each boarding student must pay a \$150 non-refundable housing application fee in order to secure housing. The \$150 will not be applied toward the student's outstanding balance.

POST OFFICE

The Dr. Clifford L. Jones, Sr., Post Office is located in the Viking Services Center (formerly known as

Ridley University Center). All residential students receive a rental mailbox per calendar year with the cost included with Housing Fees. Nonresidential students may rent a campus mailbox for \$31.50 per calendar year. Postal services include postage stamps, money orders, express mail, priority, registered and certified mail; and delivery and pick-up of departmental mail. Contact: Campus Post Office, (252) 335-3382.

TUITION SURCHARGE

A fifty percent (50%) tuition surcharge will be imposed on all undergraduate, degree-seeking students taking more than 140 degree hours to complete a baccalaureate degree in a four-year (8 semester) program or more than 110 percent (110%) of the credit hours to complete a baccalaureate degree in any program officially designated by the Board of Governors as a five-year program. Each student is encouraged to consult with his or her faculty advisor to avoid excess hours. All regular semester, degree-creditible courses taken are counted, including transfer credit hours (up to 94 semester hours), repeated courses, failed courses, and those dropped after the last day of "Drop and Add."

INTEREST AND PENALTIES

Pursuant to G.S. 105-241.1 (1), an interest charge at the established rate will be added to any past due account receivable from the date due until paid. A late payment penalty of no more than 10 percent of the account receivable may also be added to all past-due accounts. ECSU may waive a late payment penalty for good cause or reason.

Other Charges

Although fixed charges for tuition and fees are kept to a minimum, the University, with the approval of the Board of Governors, reserves the right to alter these charges at any time with or without prior notice, if costs of materials and services make it necessary. All charges and fees for each semester, including tuition, meals, room, and other fees, are due on or before the day of official registration. If a student is unable to pay the full cost on or before registration day, parents or prospective independent students should contact the Office of Business and Finance – Student Accounts at (252) 335-3471 to receive information regarding tuition payment plans.

CHARGES FOR SPECIAL STUDENTS

Tuition and fee schedules for Special Students are furnished upon request by the Office of Business and Finance – Student Accounts.

CHARGES FOR AUDITING COURSES

Charges for Audit courses are the same as those for taking a course for credit.

CHARGES FOR SUMMER SESSION(S)

Charges for Summer Session(s) are listed in Summer School brochures and furnished by the Office of Summer School.

CHARGES FOR WEEKEND/EVENING PROGRAM

Charges for Weekend/Evening Program students are the same as those for regular students. Brochures and other information are available from the Director of the Weekend/Evening Program.

FINANCIAL REGULATIONS

Book Rental Policies

The ECSU Book Rental Office is located in Lester Hall. The office hours are Monday through Friday, 8:00 am to 5:00 pm, unless otherwise posted. Textbooks are distributed using a book rental system. All rental textbooks shall be returned no later than the next business day after final examinations. Unreturned textbooks will be charged to the student accounts at the replacement cost. A replacement fee will be charged for missing supplemental materials like CDs, missing pages or other damage to the textbooks. A student may not rent books for a new semester until all previously rented book charges are paid. Textbooks may be returned by mail; however, the due dates listed still apply.

Boarding Students

The boarding package includes 19, 15, or 10 meals per week. All freshmen residing in University housing are required to participate in the 19 meal plan during their first semester. Sophomores, juniors, and seniors residing in University housing may choose either the 19 or 15 meal plan. Residents of Viking Village may choose 19, 15, or 10 meals per week, but are required to have a meal plan. Unused meals do

not carry over to the next week or semester. The meal plan rates (tax included) are as follows:

19 meals per week	\$1,713.00/sem
15 meals per week	\$1,498.00/sem
10 meals per week	\$1,284.00/sem

The Director of Food Services will accommodate students with dietary restrictions and will provide meals as prescribed. (Note: Appropriate documentation must be provided before special accommodations can be made.)

Damages

A student is financially responsible for damage done to any building, equipment, or other property of the University if he or she is at fault. If it cannot be determined which student is responsible for the damage, the cost of the damage will be distributed equally among the group of students using the facilities at the time of damage.

Accounts for Veterans and War Orphans

For assistance in processing Veterans Administration Applications, a veteran and/or war orphan should confer with the Registrar's Office as early as possible after his/her official class load has been determined for the semester. A veteran must register for and complete at least 12 semester hours to receive maximum benefits each semester.

Refund Policy

If a student officially withdraws from the University on or before the end of the first week of classes, the amount paid may be refunded. After the first week of classes, the charges for tuition, fees, and room and board will be assessed based on 20 percent per week for the next four weeks of the semester. After the first five weeks of classes, no refunds will be issued. The weekly charge begins with the first day of scheduled classes regardless of the actual day of enrollment.

Financial Aid will be adjusted in accordance with Federal and State regulations.

If a student departs from the University without following the "official withdrawal procedures," he or she may be subject to 100 percent of the semester charges.

Refunds Due to Dropping and Adding of Courses

A student who drops courses so that he or she is no longer a full-time student will have his or her charges reduced accordingly and will receive any refund due, provided the courses are dropped prior to the end of the official drop/add period. No adjustments or refunds will be made for courses dropped after the end of the official drop/add period.

Payment Policy

The University will not release any refund of tuition, fees, or room and board until at least four weeks have elapsed from the date of official withdrawal. Upon request, all refunds will be made by check payable to the agency or person responsible for the student's bill.

Financial Obligations

All students are expected to meet their financial obligations to the University promptly and without notice from the Office of Business and Finance. It is each student's responsibility to keep parents or guardians informed of all statements of accounts.

Students whose accounts are more than 14 days overdue may have their attendance in classes discontinued or be requested to withdraw from the University.

Students are urged to make their tuition and fee payments by mail at least fifteen (15) days before reporting to the University. Remittances should be sent directly to the Office of Student Accounts, Elizabeth City State University, 1704 Weeksville Road, Elizabeth City, NC 27909. Each remittance should state clearly and specifically the purpose and for whom the money is intended. Certified checks or money orders will be accepted.

The established State Fiscal Policies and Regulations under which Elizabeth City State University operates state that all student accounts are due and payable on registration day, and, if not paid on that day, accounts must be paid in full prior to the close of the semester for which the student is registered. Students returning to the University with an outstanding balance will not be allowed to preregister or obtain a housing assignment. After the close of the semester, an

account which remains unpaid is delinquent. No grades, transcripts of credits, or diploma shall be issued by the Office of the Registrar for any student whose account remains unpaid after the close of the semester.

The intent of this policy is primarily to place the responsibility for keeping accounts current on the student rather than on the University. The policy is not considered unduly burdensome considering the many scholarships, grants, loans, and other funds which are available to qualified students.

UNIVERSITY POLICE

For the protection of campus and visiting personnel as well as institutional facilities, Elizabeth City State University has a Police Department charged with enforcing state and local laws, university policies, rules, procedures and regulations, including campus traffic and parking regulations. The university community is expected to comply with all state and local laws, university policies, rules and procedures and regulations. Officers' authority extends on and off campus, including the power of arrest.* The University Police Office is located in the Thomas-Jenkins Building.

****The University Police Department jurisdictional power only extends to property owned or leased by the university that may not be on the main campus. University Police also have jurisdictional power on streets that are adjacent to the university.***

Office of Emergency Management/Environmental Health & Safety

The mission of the Office of Emergency Management is to provide an integrated, comprehensive emergency management program for Elizabeth City State University. The office is responsible for the preparedness training and coordination of emergency response and recovery efforts for natural, man-made, or technological hazards that could adversely affect campus operations.

The primary mission of the Elizabeth City State University Environmental Health and Safety Office (EHS) is to place administrative emphasis on workplace safety and health requirements for all

persons comprising the University community. As a part of this mission, the ECSU EHS staff provides assistance to departments and individuals in order to establish and maintain a safe and healthy campus environment. Safety and health will be promoted as a matter of forethought rather than afterthought.

MOTOR VEHICLES AND PARKING

Any motor vehicle operated on campus by faculty, staff, or students must be registered and display a registration decal.

PARKING PERMIT FEES

Administrator Reserved	\$250.00
Reserved Faculty & Staff	\$200.00
Non-Reserved Faculty and Staff	\$ 90.00
Students	\$ 75.00
Temporary Employment	\$7.50 monthly or \$90.00
Visitor/Vendor	\$5.00 daily

**Fees are subject to change and are nonrefundable unless you graduate mid-fiscal year. Retiring employees can also request a refund.*

DIVISION OF UNIVERSITY ADVANCEMENT

DIVISION OF UNIVERSITY ADVANCEMENT

The Division of University Advancement exists to build, sustain, and enhance financial support to the University through a wide variety of strategic outreach efforts. Monetary gifts and resources are distributed and leveraged to benefit the academic and cultural growth of students, to better serve Elizabeth City State University's primary constituents, and to enhance the quality of life in northeastern North Carolina. Priorities in the area of university development include increasing endowments and annual scholarship support. The division manages all activities that provide the framework for building strong financial support and lasting relationships with alumni, the community, the ECSU Foundation Board of Directors, ECSU employees, corporations, foundations, faith and civic organizations, and parents.

As the University's main external relations arm, the Division of University Advancement is headed by a Vice Chancellor and includes the areas of Development, Community Development, and Alumni Relations.

OFFICE OF DEVELOPMENT

The Office of Development has three components: Annual Fund, Corporate and Foundation Development, and Major and Planned Gifts:

Annual Fund

The Annual Fund component builds a donor base that can be cultivated and developed to support all fundraising efforts; develops and motivates donors who will, on an annual basis, provide gifts to support ECSU; creates awareness and acceptance among a defined constituency; develops an understanding volunteer organization; identifies and cultivates major gift prospects for capital campaigns and planned gifts; and validates the mission of ECSU on an ongoing basis.

Corporate and Foundation Development

Development is also responsible for identifying, cultivating, and soliciting commitments to ECSU from corporation and foundations at the local, state, and national level. In particular, this unit is concerned with the writing, submission, and management of proposals that request \$250,000 or more to fund academic and scholarship programs and community outreach projects as well as the endowment-building capacity of the University. Corporate & Foundation Development, in cooperation with the Office of Sponsored Programs, assists faculty and staff with the proper networking, the creation of fiscally sound budgets, and the production of strategically written proposals in order to secure external funding from charitable organizations in the private sector. In addition, this office helps to ensure that each proposal adheres to the guidelines, deadline dates, and paperwork requirements provided by each individual corporation or foundation.

Major and Planned Gifts

The Major and Planned Gifts component is responsible for managing the process of identifying, cultivating, and soliciting commitments to ECSU of \$10,000 or more and for instituting and managing a comprehensive planned giving program. Unit functions include increasing the number and dollar amount of major gifts received each year; linking major donor prospects to specific programs and departments; assisting in the development and solicitation of major gift prospects for major multi-year, multi-million dollar campaigns; and enhancing the number of planned giving commitments that ECSU has with individuals and alumni each year. A planned giving advisory committee supports the development of planned giving solicitations and strategies as well as planned giving workshops, seminars, and publications.

OFFICE OF ALUMNI RELATIONS

The Office of Alumni Relations works to involve alumni and distinctive alumni groups in the life of the University and its programs with a view toward increasing their financial support, increasing the

growth and development of alumni chapters, updating and maintaining a list of ECSU graduates, producing alumni publications, and serving as the liaison between the University and the National Alumni Association.

OFFICE OF COMMUNITY & ECONOMIC ENGAGEMENT

Consistent with the ECSU's mission, the Office of Community & Economic Engagement's goal is to promote economic, social, and environmental progress for the people of northeastern North Carolina, the state, and the nation. It is focused on empowering the people of northeast North Carolina – intellectually, professionally, socially, and geographically by breaking down barriers that endanger respect, dignity, equality, opportunities and overall community well-being. The OCEE strives to meet the university's goal to serve the people of North Carolina, especially those living in our 21-county service area, by promoting a culture of community service, engagement, outreach, and support with the following objectives:

- Grow existing relationships with constituents in the surrounding community through active participation in community boards, forums and volunteer opportunities.
- Identify exemplary projects, programs, and initiatives that make a positive and profound impact on the quality of life in North Carolina, and that continue to build partnerships for expanding outreach and engagement.
- Provide Continuing Education and Certificate programs and increase the availability of credit and non-credit courses and educational programs.
- Develop systematic evaluations of all community engagement activities.
- Connect community engagement to on-campus educational and research activities.
- Develop relationships with leading employers in the public and private sectors to help graduates achieve gainful and timely employment.
- Enhance the accessibility of diverse student populations to the university.
- Collaborate with educational institutions, government agencies, and businesses to enhance recruitment efforts.
- Increase the exposure of all stakeholders to university educational programs.

- Expand economic opportunity through research, job training, and support for small/minority business development
- Provide practical learning experiences for students through internships and community service projects.

ECSU FOUNDATION

The Elizabeth City State University Foundation, Incorporated

The Elizabeth City State University Foundation is a nonprofit organization incorporated on February 3, 1971 under the laws of the state of North Carolina. Its mission is to serve as the steward of private contributions to ECSU in order to provide educational assistance for students, support scholarly development of faculty, facilitate fundraising efforts on behalf of the university, and serve as an advocate for the ECSU community-at-large. The foundation is also the single member of the ECSU Housing Foundation, LLC, a limited liability company formed in North Carolina on December 20, 2002, to further the charitable purposes of the foundation and to construct housing facilities for use by ECSU students.

Although legally separate, The Elizabeth City State University Foundation, Inc. and Subsidiary, is a blended component of the university. It is governed by a 25-member board consisting of six (6) ex-officio directors, eight (8) appointed directors, and eleven (11) elected directors.

ECSU Endowment

The ECSU Foundation is committed to ensuring the future of the University by building ECSU's endowment to provide for its needs in perpetuity. The investment and annual reinvestment of the ECSU Foundation endowment, which is allowed at a higher rate of return than other reserve funds, lets the University increase its impact on the region as well as its capacity to meet the needs of the students it serves. The Foundation secures and manages funds, on behalf of ECSU, to establish scholarships, support distinguished professorships, and deliver both academic and community outreach programming. In all of its efforts, the ECSU Foundation is dedicated to the advancement and promotion of Elizabeth City State University.

ACADEMIC SUPPORT CENTERS

DISTANCE EDUCATION AND VIDEOCONFERENCE CENTER

Mission

The Office of Distance Education and Videoconferencing supports and encourages collaborative efforts involving faculty, staff, and administrators, working to serve as a model for change and growth at ECSU via distance education online delivery methods. Distance education at Elizabeth City State University extends availability and access to convenient course offerings to students who are isolated from campus due to time and/or geographic location, utilizing existing, new, and emerging technological strategies.

Goals

1. To provide academic technology support services to administrators, faculty, staff, and students to support teaching and learning on campus, online and through videoconferencing.
2. To provide administrators, faculty, and staff with professional development opportunities and resources essential for teaching and learning on campus, online and through videoconferencing.
3. To maintain existing academic technologies and implement new technologies necessary for teaching and learning on campus, online and through videoconferencing.

Distance Education and Videoconferencing Center

The Office of Distance Education and Videoconferencing's role is to encourage the integration and support of instructional technologies both on campus, online and through videoconferencing. At ECSU, our students are our first priority. We strive to support our faculty with their design of their online courses. The Office of Distance Education works very closely with faculty and academic units to help develop and promote online courses and degree programs. We provide professional development opportunities related to

teaching, learning, technology, and pedagogy through workshops and webinars.

The Videoconferencing Center provides two-way interactive video services for the ECSU community and to individuals and organizations in the Albermarle region. It provides access to the North Carolina Research and Education Network (NCREN) and the North Carolina Information Highway (NCIH). Through these networks, ECSU can receive and send videoconference courses and participate in seminars, workshops, and conferences throughout the state.

Getting Started with Online Learning

Students interested in taking online course should determine if they have the qualities to be a successful online student. Before searching for an online course, test your knowledge and skills for learning online. Take the Readiness Skills Survey and review the Qualities of an Online Learner on the Distance Education website at <http://www.ecsu.edu/distanceducation>. Select DE for Students, Readiness Survey. Once you determine if you are ready for online learning, select Getting Started.

Blackboard Learn: Learning Management System

Blackboard Learn is Elizabeth City State University's learning management system that allows students and faculty to access course materials, participate in course activities, submit assignments, and collaborate and communicate with your instructor and classmates. Students using Blackboard Learn can access their course anytime, anywhere through the Internet and on their mobile devices with the Blackboard Learn Student App. Blackboard Learn accounts are automatically created each semester for all students who are admitted to ECSU and enrolled in courses. Blackboard Learn is intuitive, has fluid interactions with a modern design and it is simple and fun to use.

Visit the [Distance Education website for Students at https://www.ecsu.edu/academics/offices/distance-](https://www.ecsu.edu/academics/offices/distance-)

[education/index.html](#) for links to Blackboard Learn help resources.

Visit the Blackboard Learn website at <http://ecs.u.blackboard.com> to log into Blackboard with your ECSU Viking One Credentials.

1. 24/7 Blackboard Learn Online Support Center -

You may chat live with a support team member, submit a ticket with your issue or concern, or directly call toll-free: 866-321-7157. If you have not

been able to resolve your issue or concern by visiting the 24/7 Blackboard Online Support Center, email the ECSU Office of Distance Education at de@ecs.u.edu or call toll-free: 877-432-7662. This service is available Monday - Friday, 8:00am - 5:00pm.

2. Blackboard Student Orientation Course - If you are new to the Blackboard learning management system and need information on how to use specific features, review the Blackboard Student Orientation Course. The orientation is located on the My ECSU tab in Blackboard under My Courses (where all your classes are listed).

3. Blackboard Help for Students - Searchable Online

Manual - Provides Blackboard help and instructions on how to collaborate with your peers, stay informed of upcoming due dates, submit assignments, view your grades, and more.

4. Blackboard Learn: Videos for Students - The videos provide just in time learning on specific Blackboard features. This resource library contains video tutorials on how students learn online with Blackboard Learn.

5. Blackboard Student App - Using the Blackboard Student App provides you access to your courses, instructors, and classmates, wherever and whenever you want from the palm of your hand.

6. Blackboard Browser Support - Opening this page will check whether your browser supports the most recent release of Blackboard Learn.

7. Blackboard Collaborative Ultra - Web Conferencing Tool - Your instructor may request that you participate in a web conferencing meeting. If so you will use Blackboard Collaborate Ultra. This tool is already inside your Blackboard Learn account.

- Blackboard Collaborate Ultra is a simple, convenient and reliable web conferencing solution built for education and training. Engage with the material and your instructor. Thanks to robust collaboration and conference tools, everyone feels like they're in the same room together, regardless of their location or device. (**Getting Started with Blackboard Collaborate Ultra**)
- The Blackboard app includes Blackboard Collaborate Ultra, a synchronous web conferencing solution for high-quality virtual classes and meetings. Instructors can share files and videos while interacting with the class. You don't have to install anything extra to join a session. (**Collaborative Ultra in the Blackboard App**)

CONTACT INFORMATION

Distance Education, Center for Teaching Excellence, and Video Conference Center, 1704 Weeksville Road, Elizabeth City, NC 27909, 140 Information Technology Center, Campus Box 924, Phone: Toll-Free (877-432-7662), Fax: (252) 335-3426, de@ecs.u.edu

Kimberly N. Stevenson, Ed.D, Director, Phone: (252) 335-3699, knstevenson@ecs.u.edu

Trina Gregory, MS, Instructional Technology Specialist, Phone: (252) 335-3112, tlgregory3@ecs.u.edu

CONTINUING EDUCATION

MISSION

The Continuing Education Program (CEP) at Elizabeth City State University is committed to contributing to the mission of the University by providing a variety of continuing education opportunities geared toward the professional and personal development of the citizens of northeastern North Carolina. The CEP is the primary unit of the University responsible for non-credit offerings. The CEP provides lifelong learners with opportunities for learning new skills, advancing their careers, and enriching their personal lives. Continuing Education utilizes ECSU's educational resources to offer lifelong learning experiences that provide continuing education units to non-traditional audiences.

VISION

The vision of the CEP is to become a leader in offering non-credit opportunities to the citizens of northeastern North Carolina and beyond. Through a focus on excellence in instructors, excellence in courses, and excellence in support services, the CEP will be instrumental in affording lifelong learners opportunities to acquire the skills and knowledge necessary to achieve their personal and professional goals.

GOALS

To provide lifelong learners with convenient opportunities for learning new skills, advancing their careers, and enriching their personal lives;

To form partnerships with businesses, industries, public agencies, organizations, schools, etc. in an effort to offer professional development to employees;

To serve as a recruitment tool for prospective students.

diverse academic interests.

For the region's public and private educators, the Khan Planetarium can serve as an invaluable educational resource to facilitate and augment existing STEM projects to the surrounding twenty one county's primary & secondary school systems, from Pre-K through undergraduate, and the general public. Civic groups, churches, families, and clubs are all welcomed to attend ECSU Planetarium programs, and special attention is given to programming for area school students of all ages.

UNIVERSITY PLANETARIUM

The Elizabeth City State University Khan Planetarium's DigiStar Theater is unique in North Carolina and the Tidewater region. The 60-seat DigiStar Theater provides a complete 180° x 360° real-time digital video delivery using the DIGISTAR 6 4K system consisting of two projectors and four graphic processors. Sound is delivered via a Astro FX sound system ("Bowen Technovation") sound system provides a 5.1 speaker dynamic sound system capable of full dimensional stereo. The Khan planetarium provides interactive STEM education, global cloud capability, access to countless 3-D models structures and environments, and supports detailed elevation for unprecedented realism. The DigiStar 6 system's cloud capability allows for the system to connect to other DigiStar system's science data repositories around the planet. This capability will ensure that there is always something new and interesting to experience at Elizabeth City State University's Khan Planetarium!

Students in classes at ECSU benefit from the DigiStar Theater through visualization & fostering an understanding of STEM related concepts and associated educational subjects as well to support

ACADEMIC SUPPORT SERVICES

ACADEMIC ADVISING PROGRAM

The Academic Advising Program is operated by the Department of University Studies. It was established in 2007 in an effort to decrease the number of academic deficiencies and to help students graduate on time. A University Studies Academic Advisor has been identified to advise incoming freshman students during the first two academic semesters. Students who are undeclared majors are assigned to advisors designated for undeclared majors. When undeclared students exit University Studies, they are assigned to an academic advisor in the discipline of their choice. Every semester, emails are sent to students informing them of advising and registration dates, advising locations, and contact persons.

Academic advising begins during New Student Orientation. The advisors are responsible for assisting students in completing the General Education Core Curriculum. Information about the Academic Advising Program is disseminated to students and faculty through presentations at Orientation for new freshmen and transfer students, during faculty meetings, through emails, and in the Academic Advising Newsletter, as well as in the Freshmen Seminar classes. **Contact: Reshema Combs, Department of University Studies, (252) 335-3463.**

TUTORIAL AND ACADEMIC SUCCESS PROGRAM

The Tutorial and Academic Success Program is a peer-tutorial program primarily designed as an academic support service. The program employs successful students as peer tutors based on their academic expertise and their understanding of the University Studies experience. The program works with individual students and with groups of students. The program works in conjunction with major departments.

The primary goal of the Tutorial and Academic Success Program is to meet students' academic

needs. It provides academic support and a strong community base for ECSU students. The program is committed to promoting independent, active learning among the students it assists. Peer tutoring should have a direct and positive effect on improving the academic performance of students who are enrolled in GE courses, as well as promoting a strong community among students, peer tutors, and faculty.

Contact: Dana Poole, Department of University Studies, (252) 335-3475.

INTERNATIONAL PROGRAMS

The Office of International Programs (OIP) is designed to build a campus-wide global perspective through academic exchange programs that foster service and intercultural awareness. Students may study abroad, conduct research, or participate in faculty led service-learning trips. ECSU is committed to building and managing partnerships with universities around the world, creating opportunities for students to participate in global learning, and expanding the presence of international students and faculty on campus.

ECSU has a Global Education Center that is housed on the first floor of the Gilchrist Building. The OIP sponsors workshops and lectures through the Center. The Center is also a place where students and faculty can visit to participate in webinars sponsored through various organizations and universities throughout the US and abroad.

The mission of the OIP is to provide all students (undergraduate and graduate) with a pathway for international learning experiences in order to increase intercultural understanding. For further information, contact Dr. Andre Stevenson in the Office of International Programs at (252) 335-3678 in the STEM Complex, Room 327. You may also visit the website:

Study Abroad Program

The OIP partnered with the Council on International Educational Exchange (CIEE) and the Benjamin A. Gilman International Scholarship programs.

Established in 1947, CIEE is the oldest international exchange and study abroad program in the US which offers exchange programs, internships, scholarships, and grants to students who wish to study or intern in any part of the world. The Gilman Scholarship was established in 2000 through the US Department of State and offers up to \$8,000 in scholarships to students who study abroad for a minimum of three weeks during any academic term. ECSU continues to have successes whereby students receive funding and study abroad through both organizations.

Study abroad is affordable. Financial aid, including scholarships and grants through CIEE, Gilman, and other organizations may be used to pay for study abroad. For further information, contact the Office of International Programs at (252) 335-3678 in the STEM Complex, Room 327. You may also visit the website:

<http://www.ecsu.edu/academics/programs/international.index.cfm>.

DIVISION OF STUDENT SUCCESS

The Division of Student Success provides a continuum of program initiatives and services to promote a successful college transition, student development and self-efficacy, academic and personal success, engagement, timely graduation, and lifelong learning from the first year to graduation.

The Division of Student Success works collaboratively with university and community stakeholders to implement program initiatives, services, and activities in support of increasing the freshman student retention rate; increasing learning opportunities and academic support for freshmen and upperclassmen students; implementing strategies to improve persistence and progression; enhancing the university wide engagement in the student success culture; and preparing students for service learning, experiential learning, internships, and careers.

The Division of Student Success is located in the Student Success Center and includes *the Department of University Studies, the Tutorial and Academic Success Center, the Office of Retention, TRIO and Special Programs, Faculty Engagement, and the Internship and Engagement Office*. The division provides services, which support retention, persistence, progression, and the continuum of student success from the first-year experience to graduation.

THE DEPARTMENT OF UNIVERSITY STUDIES

The Department of University Studies is within the Division of Student Success and offers the First Year Experience Program, the Tutoring and Academic Success Center, and the General Education Program. The Department of University Studies assist students with their transition to academia through academic accountability, support, and opportunities.

THE TUTORIAL AND ACADEMIC SUCCESS CENTER

The Tutorial and Academic Success Center (TASC) provides year round academic support services, which include one on one and group tutoring, online tutoring, supplemental instruction, Math Boot Camp, Reading and Writing Skills Boot Camp, and the Student Success Seminar series. The tutors include students, staff, and faculty dedicated to building the academic skills and success of ECSU students.

THE OFFICE OF RETENTION

The Office of Retention provides intervention and academic recovery services for targeted and at-risk students (MAR Pilot, Partway Home, readmitted students, and students on warning, probation, and suspension). The Office of Retention conducts prevention activities, targeted interventions, coordinates academic recovery, and tracks and reports the academic progress of students.

THE TRIO AND SPECIAL PROGRAMS OFFICE

The TRIO and Special Programs Office is federally funded to serve eligible first generation and/or low-income students in Upward Bound and Student Support Services. The Upward Bound Program is a pre-college initiative designed to prepare high school students for college success through an intensive academic year and summer component. The Student Support Services Program provides intensive intervention and support services for eligible incoming freshman students. SSS tracks the participants' progress from their first year to graduation.

INTERNSHIP AND ENGAGEMENT OFFICE

Internship and Engagement provides preparation and access to students for placement in experiential learning and internship opportunities from the first year to graduation. The office collaborates with Career Services, faculty, industry, and the community to determine placements locally and abroad.

COMMUNITY SUPPORT SERVICES

ARCTIC AND ANTARCTIC RESEARCH EXPERIENCE FOR UNDERGRADUATES

The AaA-REU program objective is to promote the professional development of minority undergraduate students through their participation in ocean, marine, and polar science research. Each undergraduate student is assigned to a specific research team, where they work closely with the faculty. In addition, seminars, lunch meetings, and social functions are organized to facilitate undergraduate interaction. The project is conducted for eight weeks during the summer, with on-line mentoring and follow-up during the academic year. The program also includes a Research Experience for Teachers (RET) component, which involves pre-service STEM education majors. **Funding Agency: National Science Foundation (NSF).**

CENTER OF EXCELLENCE IN REMOTE SENSING EDUCATION AND RESEARCH (CERSER)

The goal of The Center of Excellence in Remote Sensing Education and Research (CERSER) is to develop and implement innovative and relevant education and research collaborations focused on ice sheet, coastal, ocean, and marine research. CERSER maintains a suite of research, education, and STEM outreach programs which support student research and training. CERSER research activities were documented in the paper titled "Temporal Reduction and Loss of an Ice Shelf in Pine Island Bay, Antarctica: 1972 – 2003" in the June 2013 issue of the IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing. As a result of this study, the bay, which was progressively exposed over the 30-year period during which the occupying ice shelf slowly retreated, was named by the US-Advisory Committee on Antarctic Names Board of Geographic Names for Elizabeth City State

University and was entered into the Geographic Names Information System (GNIS), the nation's official geographic names repository. CERSER education and training activities provides millions of dollars in scholarships and student support. **Funding Agencies: NSF, Department of Defense, and NASA.**

DRUG INFORMATION CENTER

The Community Drug Information Center administered in conjunction with the School of Pharmacy at the University of North Carolina in Chapel Hill offers the specialized training required to become a Pharmacist at Elizabeth City State University. The purpose of this program is to encourage pharmacy graduates of ECSU to remain in the region to combat northeastern North Carolina's critical pharmacy workforce shortage. **Funding agency: N.C. GlaxoSmithKline Foundation.**

ENGAGING MINORITY UNIVERSITY STEM EDUCATION PROFESSORS IN THE SCIENCE OF CLIMATE CHANGE

Elizabeth City State University has joined with the University of New Hampshire under the NASA Innovations in Climate Education (NICE) to empower faculty of education programs at Minority Serving Institutions to better engage their pre-service students in teaching and learning about global climate change through the use of NASA Earth observation sets. The project provides the faculty with approaches to understanding climate change and its impacts on terrestrial and ocean ecosystems. The faculty conducts fieldwork that emphasizes place-based pedagogy. This project is designed to impact teaching first on college campuses within science education classes. Second, as pre-service teachers transition into in-service teachers, the impact will extend to elementary and secondary schools. **Funding Agency: NASA**

GLACIER EXPLORATION AND POLAR SCIENCE EDUCATION PROGRAM

The Glacier Exploration and Polar Science Education Program provides students with genuine research experiences, augmented by mentoring and sustained engagement with the polar community. The Glacier Exploration and Polar Science Education Program accesses the facilities available at the Icefield Research Program in Alaska, the CERSER facility at ECSU, and the Brathay Exploration Group in Norway. The program operates in partnership with The Pennsylvania State University. **Funding Agency: NSF.**

HIV/STD PREVENTION PROGRAM

The primary goal of this project is to empower college/university students with special emphasis on African-Americans and Native Americans to change behaviors that place them at risk for HIV and STD infections. Peer Health Educators have been trained to promote HIV prevention through health education/risk reduction messages amongst their peers. Campus Coordinators have been identified to oversee prevention activities such as health fairs, HIV/AIDS counseling and testing events, STD screenings, public service announcements, social marketing campaigns, and student leadership development workshops. **Funding Agency: N.C. Department of Health and Human Services.**

INCREASING THE PHARMACY WORKFORCE IN NORTHEASTERN NC

This project provides resource funding for the Pharmacy Program and the Pharmacy College Admission Test (PCAT) tutorial seminars for interested students. The Project also provides scholarships for students in the Department of Math, Science, and Technology, and in the Pharmacy Program. **Funding Agency: Wachovia Foundation.**

NASA MUREP AEROSPACE ACADEMY OF NORTHEASTERN NORTH CAROLINA

Is a collaborative effort between Elizabeth City State University (ECSU) and the National Aeronautical and Space Administration's (NASA's). The program will adopt a well-established NASA STEM curriculum with problem-based learning at its core, aligned with Next Generation Science Standards, with the commitment to increase STEM exposure for students in grades K– 12. This week—long structured STEM enrichment program engages High School students in hands-on activities that improve their critical thinking and analytical skills within science, technology, engineering and mathematics. Participants will develop and strengthen the skills and knowledge needed for success in STEM studies and STEM Careers. Hands-on activities in our Aerospace Education Lab (AEL) will be complemented by guest speakers and field trips. All Aerospace Academy activities will lead to a final project, culminating with an awards program.

NASA TOTAL ANTARCTIC ICE SHEET DISCHARGE PROGRAM

Through this program, students at Elizabeth City State University will be taught to use state-of-the-art remote sensory methods and data analysis techniques. These techniques will analyze data sets from multiple sources (including Ecosat, Landsat, and Insar) to assist in pioneering efforts to determine the total discharge of ice from the grounded Antarctic Ice Sheet. **Funding Agency: NASA.**

POLAR GRID INFRASTRUCTURE PROGRAM

The Polar Grid Infrastructure Program includes support for training activities associated with new partnerships across academia, government agencies, private sectors, and polar scientists who are targeted as users of the Polar Grid Research. One of the major goals of this Program is to foster the integration of Polar Science research and education through the use of the virtual classroom environment and the smaller ECSU Grid. The project will extend the virtual

classroom capabilities and installation of a GRID network for training purposes. Another goal of this program is to make a wide range of resources available in the form of on-site training, on-line tutorials and courses, and other resources for education, outreach, and training. **Funding Agency: National Science Foundation.**

SCIENCE GATEWAY INSTITUTE

The idea for the SGW-I grew out of the results of an NSF-funded study examining the characteristics of successful, sustainable science gateways. A Science Gateway is a community-developed set of tools, applications, and data collections that are integrated through a portal or a suite of applications. Gateways provide access to a variety of capabilities including workflow, visualization, resource discovery, and job execution services. This Institute is envisioned to offer several services and resources to support the gateway development community across the entire life cycle of a gateway. **Funding Agency: NSF.**

STUDENT SUPPORT SERVICES

CAMPUS POST OFFICE

The Dr. Clifford L. Jones, Sr. Post Office is located in the Ridley University Center. All residential students receive a rental mailbox per calendar year with the cost included with Housing Fees. Non-residential students may rent a campus mailbox for \$26.50 per calendar year. Postal Services include postage stamps; money orders; express mail; priority, registered and certified mail; and delivery and pick-up of departmental mail. Contact the Post Office, Christopher Jones, (252) 335-3382.

COUNSELING AND TESTING CENTER

The Counseling and Testing Center (CTC) offers free and confidential counseling services. Counselors are available for appointments or walk-ins weekdays. The CTC offers workshops, groups, individual, and couples counseling and campus outreach programming. Additionally, the center offers Special Needs Services, Testing (SAT, GRE, PRAXIS, MAT, LSAT), and New Student Orientation. Contact the Counseling and Testing at (252) 335-3273.

SPECIAL NEEDS SERVICES

In accordance with Section 504 of the Rehabilitation Act of 1973, and American with Disabilities Act of 1990 (ADA), Elizabeth City State University offers services to students with special needs or disabilities. Any student seeking accommodations must notify the Special Needs Services coordinator in the Counseling and Testing Center. Students must submit required forms and provide current documentation of their disability. Contact the Counseling and Testing at (252) 335-3273.

EMAIL/DOMAIN ACCOUNT SERVICES

Each student has access to an email/domain account. The domain account provides access to local resources such as logging in to a campus computer, access to the Internet, and remote access to the library

databases. The two accounts have the same username; however, they are unrelated. The passwords have to be synced manually by the student (changing one password does not automatically change the other).

Visit the Email/Domain Account website for more information. Contact the IT Service Desk at (252) 335-3532.

RETENTION

The purpose of the Office of Retention is to retain students by providing integrated academic support services and comprehensive resources that foster academic success. Promoting the growth and development of our students and collaborating with faculty and staff are central to all of our efforts. Clearly, these alliances generate appropriate student-centered guidance and support.

While the Office of Retention will use a host of strategies and tactics to increase retention rates, the following are the structural foundation of program implementation:

1. encouraging student engagement,
2. fostering learning opportunities,
3. bolstering academic support,
4. endorsing student goals, and
5. Implementing proactive retention strategies.

Students will be reminded that the work required in order to graduate is strenuous, and can sometimes be overwhelming. However, the services offered through the Office of Retention are formulated in a premise that students are at the core of our institution. For that reason, we are here to be of exceptional service to our students. ECSU is also dedicated to helping students overcome obstacles that may challenge student success (academic, social, financial, or personal). **Contact: Tony Bryant** at (252) 335-3527 or retention@ecsu.edu.

LIBRARY SERVICES

LIBRARY SERVICES

The G.R. Little Library is the interactive information resource center for the campus and community, serving as a research portal for students and faculty in support of their academic endeavors. The library is also open to the general public, who may obtain a library card and are encouraged to join the Friends of the Library.

With its extensive collections, services, and connections to external resources, the library ensures that all students and faculty have access to the information resources they need to fulfill the mission of the University. The library's online public access catalog provides patrons with a searchable database of the library's holdings. The library's collections are classified according to the Library of Congress Classification System with a few minor exceptions.

The library offers access to a print collection of more than 245,000 monographs and reference works and an electronic collection of more than 200,000 titles; a journal collection of more than 49,000 titles online and in print; and a collection of more than 200 online research databases. In addition, the library offers a multimedia collection that includes documentary and popular films, sound recordings, e-books, e-audio books, and audio recordings. The library also provides access to WorldCat, a union catalog of the holdings of more than 10,000 academic and public libraries worldwide, whose resources are made available to ECSU patrons through its Interlibrary Loan service.

The library is service-oriented and patron-friendly. Librarians and support staff are available to assist patrons with a variety of library services and resources, including the University Archives. The library provides informational tours, lectures, classroom instruction, and information literacy tutorials, and librarians are available for one-on-one assistance and distance education exam proctoring. Additionally, conference rooms, a collaborative learning center, individual study carrels, a dedicated research computer lab, and other computers are available for use by the campus community.

Located on the second floor of the library is the Library Instruction Lab and the Claude Green Computer Lab, both are equipped for faculty and librarian-led instruction sessions. The labs hold 20 Dell PC workstations each and are used to support the library's information literacy program. When not in use for instruction sessions, these labs are available as quiet study labs for students.

The Music Library is a branch of the G.R. Little Library. It is located in the Mickey L. Burnim Fine Arts Building (Room 234) on the second floor. The library provides a carefully curated collection of resources for music students. It houses music scores, DVD's, CD's, music journals and music reference materials. The Music Library is open to all students as well as to the public and provides six computer workstations that allow students to print. The music librarian provides one-on-one library instruction and classroom instructions to the Department of Visual and Performing Arts.

The Curriculum Resource Center (CRC), located on the second floor of the Gilchrist Building (Room 210), is the newest addition to Library Services. It houses state-adopted textbooks, children's literature, reference books and other items vital to Education majors and faculty. The CRC also provides four Mac computer workstations for patron use.

Students are encouraged to participate in the library through work-study opportunities that are available throughout the school year.

For the most up-to-date library hours, please see the library website at www.ecsu.edu/library. **Contact: Director of Library Services, (252) 335-3586.**

PIN NUMBER INFORMATION

Elizabeth City State University students utilize two specific numbers for identification and security purposes. The first is the ID number which is a 9-digit number beginning with "97" that is generated by the Banner System when students are admitted to the University. The second number is their PIN number which is defaulted for the birth date: 00/00/0000. Students are required to change this number once

they enter the Self Service Banner for the first time. The University does not have access to the PIN number once the student has changed it. **Contact the Office of the Registrar at (252) 335-3300.**

RESIDENCE LIFE

The Department of Housing and Residence Life provides a living and learning environment for students. Three residential buildings and one off-campus facility provide housing for over 50 percent of the student body. Students living on campus may participate in hall meetings and attend programs designed to engage residents academically and socially. Past programs have included CPR Training, Uno Tournaments and personal safety workshops. Students may apply to serve as desk assistants and resident assistants in the residence halls. **Contact: Sabrina Williams, Housing and Residence Life, (252) 335-3761.**

ECSU CAMPUS STORE

The ECSU Campus Store is open from 8:00 am-5:00 pm Monday through Friday and is open for extended hours during fall and spring registrations, homecoming, and other special campus events. School supplies, electronics, and Viking pride merchandise are also available for purchase. Through the Follett IncludED program, students may rent all required textbooks each semester. Book Rental charges are added automatically for all Full Time Undergraduate students during the Fall and Spring semesters; Part Time students can request this service through Student Accounts. Visit the ECSU Campus Store website at www.ECSUShop.com anytime for graduation regalia, supplies, and clothing. **Contact: Campus Store Manager at (252) 335-8707, (252) 335-3402 or (252) 335-8710.**

UPWARD BOUND PROGRAM

Elizabeth City State University's Upward Bound Program is a Federal TRIO college-based program of rigorous academic instruction, individual tutoring, and counseling for high school students who meet income and first-generation criteria established by the U.S. Department of Education. The selection of

students is also based on the recommendation of high school teachers and counselors. An individualized educational program is designed for each student. The Upward Bound Program also provides educational enrichment activities and exposure to cultural events. **Contact: Quay Dozier, Upward Bound Program, (252) 335-3368.**

STUDENT SUPPORT SERVICES PROGRAM

Elizabeth City State University's (ECSU) TRIO Student Support Services (SSS) Program is a Federal TRIO Program that provide opportunities for academic development and completion of requirements for post-secondary education. The purpose of the SSS program is to provide undergraduate students with the academic support needed to increase persistence, improve academic standing, graduation rates and post baccalaureate enrollment. The program also provides services to improve the financial and economic literacy of participants.

The mission of the Student Support Services Program at ECSU is to foster a climate supportive of success for a select population (175 participants) of students who are considered eligible based on federal income & first generation guidelines. **Contact: Quay Dozier, Student Support Services Program, (252) 335-3368.**

VETERAN AFFAIRS

VETERANS BENEFITS

Active duty service members, veterans, and their qualified dependents may be eligible for Veterans Affairs (VA) educational benefits authorized under specific chapters of Title 38 of the U.S. Code. The Military and Veterans Affairs Office provides specialized customer services and information to assist students in establishing eligibility for and receipt of VA educational benefits. This office cannot determine eligibility, but can assist in the submission of applications and supporting documents. Only the Department of Veterans Affairs can determine student eligibility for benefits. The primary function of this office is to certify and report enrollment

information to the VA to facilitate the receipt of benefits by eligible students.

OVERVIEW OF VETERANS AFFAIRS (VA) EDUCATIONAL BENEFITS

There are various Veterans Affairs (VA) educational programs available, all of which have their own unique qualifying criteria and rates of payment. Depending on the benefits, the student may be eligible to receive a monthly living stipend and have their tuition and fees paid by the VA; payment of tuition and fees are the responsibility of the student if his/her benefit does not take care of the cost of attendance.

Eligible students may apply for advance payment of benefits in the following Chapters: 30, 35 and 1606. The benefit amount is determined by the student's training time. The VA established levels of training time as: full, 3/4, half, and less than half. Benefits for students training while on active duty and those training less than half-time are limited to the amount of tuition and fees paid. Since the number of credits determine the payment amount, it is absolutely essential that students immediately report all changes in enrollment (drops/adds) to the college's Office of Military Affairs.

ESTABLISH ELIGIBILITY AND RECEIVE BENEFITS

The Office of Military and Veterans Affairs provides services necessary to establish eligibility for the VA education program. To establish eligibility with the college, students are expected to provide a copy of their VA issued Certificate of Eligibility. A high school transcript is required for all undergraduate students seeking veteran benefits. Once a student's eligibility has been established, students must submit a Certification Request for VA Education Benefits form in order to receive them. Students may gain access to their VA forms at www.benefits.va.gov/gibill and the Elizabeth City State University form at www.ecsu.edu or in the military affairs office. Continuing students, those currently receiving benefits at Elizabeth City State University, may mail or email their signed requests after enrolling in subsequent semesters. Students who mail must follow-up via phone or email (Veteran@ecsu.edu) to ensure that the office has received their request.

VETERANS ACCESS, CHOICE, AND ACCOUNTABILITY ACT OF 2014

The following individuals shall be charged a rate of tuition not to exceed the in-state rate for tuition and fees purposes:

A Veteran using educational assistance under either chapter 30 (Montgomery G.I. Bill – Active Duty Program) or chapter 33 (Post- 9/11 G.I. Bill), of title 38, United States Code, who lives in North Carolina while attending a school located in North Carolina (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.

- **Anyone using transferred Post-9/11 GI Bill benefits (38 U.S.C. § 3319)** who lives in North Carolina while attending a school located in North Carolina (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.
- **Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b) (9))** who lives in North Carolina while attending a school located in North Carolina (regardless of his/her formal State of residence) and enrolls in the school within three years of the Service member's death in the line of duty following a period of active duty service of 90 days or more.
- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three year period following discharge, release, or death described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.

VA EDUCATION PROGRAMS

The Post 9/11 GI Bill, Chapter 33

If you have at least 90 days of aggregate active duty service after Sept. 10, 2001, and are still on active duty, or if you are an honorably discharged Veteran or were discharged with a service-connected disability after 30 days, you may be eligible for this

VA-administered program. Purple Heart recipients, regardless of length of service, are qualified for Post-9/11 benefits at the 100% level. Certain members of the Reserves who lost education benefits when REAP was sunset in November 2015, may also be eligible to receive restored benefits under the Post-9/11 GI Bill.

If you have eligibility for the Post-9/11 GI Bill and any other GI Bill program you must make an irrevocable election of the Post-9/11 GI Bill before you can receive any benefits.

The Montgomery GI Bill-Active Duty (MGIB-AD), Chapter 30

The Montgomery GI Bill (MGIB) is available to those who enlist in the U.S. Armed Forces. There are two main programs:

- **Montgomery GI Bill Active Duty (MGIB-AD)** For active duty members who enroll and pay \$100 per month for 12 months and are then entitled to receive a monthly education benefit once they have completed a minimum service obligation.
- **Montgomery GI Bill Selected Reserve (MGIB-SR)** For Reservists with a six-year obligation in the Selected Reserve who are actively drilling.

Vocational Rehabilitation and Employment, (VR&E)

- Comprehensive evaluation to determine abilities, skills, and interests for employment
- Vocational counseling and rehabilitation planning for employment services
- Employment services such as job-training, job-seeking skills, resume development, and other work readiness assistance
- Assistance finding and keeping a job, including the use of special employer incentives and job accommodations
- On the Job Training (OJT), apprenticeships, and non-paid work experiences
- Post-secondary training at a college, vocational, technical or business school
- Supportive rehabilitation services including case management, counseling, and medical referrals
- Independent living services for Veterans unable to work due to the severity of their disabilities

Information can be found at

http://www.benefits.va.gov/vocrehab/eligibility_and_entitlement.asp

Veterans Education Assistance Program (VEAP), Chapter 32

VEAP is available if you elected to make contributions from your military pay to participate in this education benefit program. The government matches your contributions on a 2-for-1 basis.

Dependents Education Assistance Program,

There are two main GI Bill programs offering education assistance to survivors and dependents of Veterans:

- The Marine Gunnery Sergeant John David Fry Scholarship provides Post-9/11 GI Bill benefits to the children and surviving spouses of Service members who died in the line of duty while on active duty after Sept. 10, 2001. Eligible beneficiaries attending school may receive up to 36 months of benefits at the 100 percent level.
- The Survivors' and Dependents' Educational Assistance (DEA) Program offers education and training opportunities to eligible dependents of Veterans who are permanently and totally disabled due to a service-related condition or of Veterans who died while on active duty or as a result of a service-related condition.

The Montgomery GI Bill-Selected Reserve (MGIB-SR), Chapter 1606

The MGIB-SR program may be available to students if they are a member of the Selected Reserve. The Selected Reserve includes the Army Reserve, Navy Reserve, Air Force Reserve, Marine Corps Reserve, Coast Guard Reserve, Army National Guard and the Air National Guard. This benefit may be used for degree and certificate programs, flight training, apprenticeship/on-the-job training and correspondence courses. Pamphlets can be found at http://www.benefits.va.gov/gibill/docs/pamphlets/ch1606_pamphlet.pdf

Licensing and Certification

Open new doors to employment by getting licensed or certified as a mechanic, medical technician, attorney, or other professional. Often required for

work in certain fields, these tests may be eligible for GI Bill reimbursement.

Type of Assistance

Tests that may be reimbursable by VA include licensing and/or certification for a job as a mechanic, medical technician, therapist, computer network engineer, website developer, and other professional. There is no limit to the number of tests you may take, or number of times you may take the same test. And, VA will pay for tests even if you fail them.

NATIONAL TESTING PROGRAM

Advancing your education often requires you to take costly national tests. Students can be reimbursed all required (mandatory) fees charged for national admission tests, national tests for college credit, and national tests that evaluate prior learning and knowledge and provide an opportunity for credit at an institution of higher learning (IHL).

Type of Assistance

The following tests are approved for reimbursement:

- SAT (Scholastic Assessment Test)
- LSAT (Law School Admission Test)
- GRE (Graduate Record Exam)
- GMAT (Graduate Management Admission Test)
- AP (Advanced Placement Exam)
- CLEP (College-Level Examination Program)
- ACT (American College Testing Program)
- DAT (Dental Admissions Test)
- MAT (Miller Analogies Test)
- MCAT (Medical College Admissions Test)
- OAT (Optometry Admissions Testing)
- PCAT (Pharmacy College Admissions Test)
- TOEFL (Test of English as a Foreign Language)
- DSST (DANTES Subject Standardized Tests)
- ECE (Excelsior College Examinations)
- PLA (Prior Learning Assessment) testing through Learningcounts.org
- TECEP (Thomas Edison College Examination Program)

Tuition Assistance “Top-Up”

Tuition Assistance “Top-Up” benefits are equal to the difference between the total cost of a college course and the amount of tuition assistance that is paid by the military. Tuition Assistance (TA) and Top-Up are not administered through this office; students must request benefits for these programs through their unit’s education services offices. When received from their unit’s educational services office, students submit TA authorization forms directly to the Elizabeth City State University student account’s office for payment of tuition only. Fees are the student’s responsibility. Information can be found at <http://www.benefits.va.gov/GIBILL/docs/factsheets/topup.pdf>

Standards of Progress

The Department of Veterans Affairs requires that students receiving educational benefits maintain satisfactory progress. This office is required to submit notification of unsatisfactory progress to the VA when a student is placed on academic probation, suspension or dismissal.

Undeclared Major

Students pursuing a bachelor's degree may not have to declare a major before their junior year at some schools. If a freshman or sophomore has not declared a major, report the student's program as "Bachelor (undeclared)". The student cannot be certified beyond his or her sophomore year unless a major is declared. Only "General Education" courses can be certified prior to the declaration of a major.

Non-matriculated Students

VA defines matriculated as having been formally admitted to a college or university as a degree-seeking student. VA educational benefits cannot be paid to non-matriculated college or university students unless they are pending admission to your school. In that case they can be certified for two quarters or semesters. The student can be certified beyond this two-term limit only if the student is admitted to your school as a degree-seeking student, irrespective of the number of credits taken.

- Certify a non-matriculated student as "Bachelor (non-matriculated)" or "Post-baccalaureate (non-matriculated)." The only courses that can be certified are those required for admission and those required if admitted.

ADDITIONAL BENEFITS AVAILABLE TO ELIGIBLE STUDENTS

Flight Training

VA offers flight training benefits to those who want to advance their pilot qualifications. You must have a private pilot's license and valid medical certification before you start training. Payments are issued after the training is completed and the school submits your enrollment information to VA.

http://www.benefits.va.gov/gibill/flight_training.asp

VA Work-Study Program

If you're a full-time or 3/4-time student in a college degree, vocational, or professional program, you can "earn while you learn" with a VA work-study allowance.

Services you perform under a VA work-study program must be related to VA work. Examples of acceptable work are:

- The preparation and processing of necessary papers and other documents at educational institutions
- Any activity at a VA facility
- Any activity at Department of Defense, Coast Guard, or National Guard facilities relating to the administration of Chapters 1606 or 1607 of Title 10 U.S.C.
- Any activity of a State Veterans agency related to providing assistance to Veterans in obtaining any benefit under Title 38, U.S.C. or the laws of the State
- A position working in a Center for Excellence for Veteran Student Success, as established under 20 U.S.C. 1161t, which purpose is to support and coordinate academic, financial, physical, and social needs of Veteran students
- A position working in a cooperative program carried out jointly by the VA and an Institution of Higher Learning
- Any veterans-related position in an Institution of Higher Learning, such as:

- o Assisting with dissemination of general information regarding Veteran benefits and/or services
- o Providing assistance to Veteran students with general inquiries about Veteran benefits via phone, email, or in person
- o Maintaining and organizing veteran-related files

The work you actually do will depend on your interests and the type of work available.

Information can be found at:

<http://www.benefits.va.gov/gibill/workstudy.asp>

Tutorial Assistance Program

Assistance may be available to those who are eligible under Chapters 30, 32, 33, 35, and 1606 to aid student's expenses when tutoring becomes necessary. The allowance is a supplement to the monthly educational assistance check and is paid without entitlement charge for those under Chapter 35. Entitlement for those under other chapters will be charged if the tutorial assistance exceeds \$600.

Information can be found at

http://benefits.va.gov/gibill/tutorial_assistance.asp

ACADEMIC PROGRAMS AND STUDIES

University Honors Program

MISSION

The mission of the Honors Program is to provide an enhanced and supportive learning environment for academically gifted undergraduate students. The mission will be accomplished through the active involvement of faculty recognized for their excellence in teaching small Honors seminars, and through opportunities for research. The Honors Program is a unit with its own budget and a Director who is administratively responsible to the Vice Chancellor/Provost through the Assistant Vice Chancellor for Academic Affairs. The Director works in close cooperation with a University Honors Council and to establish and review policies and procedures for the Honors Program.

The Honors Program is designed to challenge students with high academic potential at an accelerated rate and to provide them with exposure to a wide variety of in-depth academic, social, cultural, and international experiences. The Honors Program is committed to fostering achievement at superior levels so that by graduation students will:

1. demonstrate skills in research, writing, and oral presentation;
2. design, develop, and present documented works which demonstrate critical thinking skills;
3. apply knowledge gained in the classroom and in community service activities;
4. display exceptional proficiency in the command of both written and oral communication; and
5. exhibit awareness of literary, cultural, social, and community service behaviors and be able to assess the values of such as behaviors through reflection and demonstration.

STRATEGIES

In addition to the high quality of instruction that students gain in their regular course work, Honors sections of many core courses have been developed in the General Education area. In an Honors section of a

course, the course work is not only more advanced, but more in-depth.

The heart of the Honors Program is the colloquium concept, which is designed to improve students' communication skills, both oral and written. Using this concept, the University is able to meet the needs of its academically talented students.

A program of cultural and social activities is provided for Honors students. These activities may include field trips, plays, concerts, tours, and workshops. Honors students are expected to represent the University at Honors conferences nationally and regionally through debate, quiz bowl, poster and other competitions. Honors activities are intended to increase student interest and improve the retention rate among Honors students.

To ensure that adequate recognition is given to these students, the Honors Program will (1) award a certificate of participation as students successfully complete each year in the Program, (2) institute a structured series of forums under the aegis of the Honors Program, (3) initiate an Honors Newsletter/Arts Magazine, (4) identify Honors students at graduation by a specific visual symbol, and (5) record "Honors Program Graduate" on the diploma and on the transcripts of students who successfully complete the Honors requirements.

The Honors Program sponsors a peer tutoring program in which upper-division Honors students assist lower-division students in the core courses in the General Education area and in the major disciplines.

The Honors Program sponsors a Junior Mentor program that allows juniors to serve as ombudsmen to freshman Honors students.

The Honors Program supports debate exercises to give students opportunities to think critically and to solve problems.

OBJECTIVES

The Honors Program's major objectives are:

1. to develop a unified program of rational and creative thinking, writing, verbal, and reading skills through the colloquial concept in an effort to improve students' skills;
2. to promote Honors seminars designed to facilitate dialogue between Honors students and faculty without the pressure of grades;
3. to participate in career workshops for Honors students in a variety of fields;
4. to arrange internships in cooperation with the Cooperative Education Program, International Program, and academic departments;
5. to enhance the overall quality of the University's academic programs and the academic climate of the Institution; and
6. to promote international study and travel experiences.

ADMISSION REQUIREMENTS

Admission for first semester freshmen into the Honors Program is determined as follows:

1. Students who are National Merit Scholarship finalists will automatically be admitted to the Program;
2. Students with a 3.50 grade-point average (un-weighted) for their four years of high school will be considered for admission to the Program, if they have satisfactory SAT or ACT scores and if they have followed the academic track in high school. Furthermore, students will become eligible for admission to the Program only after satisfying additional criteria. These criteria may include the successful completion of an interview with the Director and/or members of the University Honors Council, teacher recommendations, a writing sample, and university placement tests.

Admission for other students into the Honors Program is determined as follows:

1. Second semester freshmen or first semester sophomores are considered for admission to the Honors Program if they meet the admissions criteria for Honors in addition to having demonstrated outstanding performance in individual university-level courses. With approval from the Director of the Honors Program the students must also:
 - a. have a cumulative grade point average of 3.25;
 - b. present well-written essays of interest, intent, and commitment to participate in the Program.

2. Transfer students are welcome to apply for the Honors Program. They must present an official transcript demonstrating high academic achievement and it will be evaluated by the director of the Honors Program.
3. ECSU students who are classified as juniors may join the Honors Program, provided they enroll in Honors Seminars for the two years prior to graduation and are able to meet minimal requirements for Honors.

RETENTION REQUIREMENTS

To remain in the Honors Program, students must maintain overall 3.25 grade point averages during the freshman year. Students are expected to attend regular meetings of colloquia, or as called by the Director. Failure to attend these meetings or adhere to any of the requirements documented by the University Honors Council may result in dismissal from the Program.

HONORS PROGRAM PROBATION AND REINSTATEMENT

After the freshman year, students will be placed on probation if their overall grade point average drops below 3.25. If students' grades improve to the acceptable level by the end of the next semester, they are reinstated. Student requests will be considered by the Director and/or the Honors Council. Students who are on probation more than twice will not be eligible for reinstatement. Students who make Ds while maintaining the appropriate average must repeat the courses, but they will not be put on probation.

GRADUATION REQUIREMENTS

To graduate with the Honors Designation, a student shall have completed 24 credit hours of Honors courses by HON designation or by contract. The student must complete and defend an Honors Thesis. Upon completion of degree requirements, the overall grade point average must be 3.25. Honors Program graduates must make no less than a B in all Honors courses and cannot have a grade below a C in any course.

Honors Colloquia and the Senior Thesis

The heart of the Honors Program is the colloquium concept, which is designed to improve analytical,

comprehensive, oral, and written communication skills.

Even though the Honors Colloquia are rather flexible, the basic format will:

- incorporate field trips, forums, and seminars;
- include writing and group discussion as a regular part of class activities;
- demonstrate an integration of classroom knowledge with everyday events;
- include readings from the list of Great Books; and
- include the planning and execution of a major scholarly project which culminates in a forum or seminar for the general university public.

The colloquia will be divided according to classes as follows:

Freshman Class—Freshman Honors Colloquia
HON 194/195 Freshman Honors Colloquia 1 per course

* HON 194: Students may take two semesters to complete the Senior Colloquium project (e.g., Senior Honors Thesis) with an IP (In Progress) grade for the first semester

Sophomore Class—Sophomore Honors Colloquia

An interdisciplinary approach is used in presenting themes and ideas which are related to and integrated with everyday events, world concerns, service learning, debate, etc.

HON 294/295 Sophomore Class—Sophomore Honors Colloquia 1 per course

Junior Class—Junior Honors Colloquia

A thematic approach involving the "Great Ideas" (Justice, Love, Death, etc.) as a frame of reference.

HON 394/395 Junior Class—Junior Honors Colloquia 1 per course

Senior Class—Senior Honors Colloquia

A demonstration of the student's research by involvement in a project in his or her major discipline (Thesis, literary or artistic production, etc.) and an oral defense.

HON 494 Senior Honors Colloquium 3

Designed for students to complete the senior thesis or literary/artistic production, etc. Prerequisite: HON 494 and consent of Director of Honors Program.

HON 495 Senior Honors Colloquium 1

General Studies

Two courses in Honors English and one course in Honors Mathematics, if applicable, preferably in the freshman year.

Honors Courses 9-15 Sem. Hrs. 9-15

Freshman Honors Colloquium

HON 194/195 Freshman Honors Colloquia 1 per course

In lieu of Freshman Seminar

Freshman Honors Colloquium

HON 194/195 Freshman Honors Colloquia 1 per course

One each semester

Sophomore Honors Colloquium

HON 294/295 Sophomore Class—Sophomore Honors Colloquia 1 per course

Sophomore Honors Colloquium

HON 294/295 Sophomore Class—Sophomore Honors Colloquia 1 per course

One each semester

Junior Honors Colloquium

HON 394/395 Junior Class—Junior Honors Colloquia 1 per course

Junior Honors Colloquium

HON 394/395 Junior Class—Junior Honors Colloquia 1 per course

One each semester

Senior Honors Colloquium

HON 494 Senior Honors Colloquium 3

Students may take two semesters to complete the Senior Colloquium project with an IP (In Progress) grade for the first semester.

This course includes a Senior Honors Thesis/Research Project

which must be approved by an advisor in the major Department with consent of the Honors Program Director and/or the Honors Council.

HON 495 Senior Honors Colloquium 1

This course is designed only for students to complete and defend the Senior Honors Thesis/Research Project begun in HON 494.

Major Discipline 6–12 Sem. Hrs. 6-12

Students may take 6–12 semester hours in their major discipline by contract or Honors Option.

- An overall grade point average of 3.25 for Honors courses.
- A grade point average of at least a B earned in Senior Colloquia.
- A cumulative grade point average of 3.25 in all University courses.

HON 201/HON 202 SOPHOMORE HONORS SEMINAR (3; 3) (F/S)

The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course will have an interdisciplinary theme. The Honors Seminar

is designed for all sophomore-level or above Honors Program students.

Faculty members propose the theme of the course and outline the format of the class. In addition, faculty members organize the course, invite guest lecturers, lead primary discussions, give assignments, and evaluate students. The course must include intensive reading, writing, and research.

HON 301/HON 302 JUNIOR HONORS SEMINAR (3; 3) (F/S)

The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course will have an interdisciplinary theme. The Honors Seminar may be taken by all sophomore-level or above students and transfer students. Prerequisite: Permission of Instructor or of Honors Program Director.

Faculty members propose the theme of the course and outline the format of the class. In addition, faculty members organize the course, invite guest lecturers, lead primary discussions, give assignments, and evaluate students. The course must include intensive reading, writing, and research. As a requirement of the course, an oral presentation of the research work of this course must be presented at an on-campus research forum.

HON 399/HON 499 HONORS INDEPENDENT STUDY (3; 3) (F/S)

Study of special topic(s) in consultation with, and completed under the supervision of a member of the Honors faculty, or other faculty upon approval of the Director of the Honors Program and Honors Council. Prerequisite: Junior or senior standing in the Honors Program.

Honors Credit by Contract

Honors credit by contract will enable students to receive honors credit in regularly scheduled courses in their majors.

H-option courses will likely include one or more of the following criteria:

- reading in addition to that normally required for the course, attested to either by oral presentation or written work;
- guided research involving either data from primary sources, a laboratory investigation, or field research resulting in a creative presentation or an

individual report with annotated bibliography and other features normally incorporated into an advanced-level-report; and/or

- class or peer presentations which are prepared, designed, and delivered to a standard that will qualify for Honors credit.

Regardless of the individual structure of H-option contracts, they are all likely to share one or more of the following characteristics:

1. provision for additional consultation between student and instructor;
2. inclusion of data sources or a laboratory investigation beyond that routinely required in a course;
3. evaluation methods which are specific and rigorous; and
4. choice of subject matter, project, or laboratory problem within the sphere of interest of the student and instructor.

Students pursuing H-option credit are responsible for all regularly scheduled work in a course in addition to any special H-option requirements.

UNIVERSITY HONORS PROGRAM GOVERNANCE

The Program is headed by the Honors Program Director, who works in conjunction with the University Honors Council. The ECSU Honors Program is a member of The National Collegiate Honors Council, The Southern Regional Honors Council, and The National Association of African American Honors Programs.

THE SUMMER SCHOOL PROGRAM

MISSION

The Summer School Program, in support of the mission of Elizabeth State University (ECSU), is committed to educating and preparing individuals for Baccalaureate Degree programs in the arts and sciences, selected professional and pre-professional areas, and Master's Degree Programs in Elementary Education, Biology, School Administration, and Mathematics. ECSU offers a challenging and supportive environment that prepares its students for knowledgeable, responsible participation and leadership in an ever-changing, technologically-advanced global society. The University promotes

excellence in teaching as its primary responsibility for meeting the needs of the students and citizens of the state. Through its teaching, research, and community outreach, the University seeks to identify and address the needs of northeastern North Carolina with particular attention to supporting its environmentally sensitive economic development.

GOAL

The goal of the Summer School Program is to offer a wide range of undergraduate and graduate courses needed by the greatest number of ECSU students in fulfilling their general education and degree requirements. In addition to regular day-time courses, offerings include a variety of distance learning and evening courses.

The 10-week main and two 5-week summer sessions at ECSU have a three-fold purpose. First, they offer an opportunity for college students to take special courses not normally available during the academic year to broaden their academic approach. Second, they serve previously enrolled ECSU students who desire to hasten their acquisition of college degrees or to gain additional credits toward completion of their class standings. Third, they provide incoming freshmen an opportunity to adapt themselves to the academic demands of college in an environment that is relatively free of the usual pressures of extra-curricular activities. The ten-week wrap-around session gives students the option of a more lengthy session for the mastery of more difficult courses.

A complete listing of course names, numbers, and call numbers, used for Web registration, is included in the Summer School marketing materials and on the ECSU Website. Course descriptions (p. 209) are in the University Catalog.

SUMMER COURSE LOAD

The maximum course load for students is six (6) semester hours per summer session. The maximum number of hours that can be taken during the summer is twelve (12).

PROGRAM EXPECTATIONS

All new students who are admitted to Summer School must meet the same general entrance requirements as the students admitted to the regular academic year program.

Transfer and unclassified students who plan to attend ECSU for the first time (who are not continuing academic year students) must apply for admission to the University in time to fulfill the requirements for acceptance at least one week prior to the date of registration. Visiting or transient students must present a letter of permission from the institution where they intend to receive their degree, approving their enrollment in Summer School at ECSU.

Summer instruction is both face-to face and online. Online and face-to face course offerings and instructions on how to register can be found on the ECSU Website.

The schedule of classes, instructional formats, program designs, and faculty and staff office hours have been conveniently established with our students' best interests in mind. Academic support services are also offered during the summer through our advisors and counselors along with career development and academic counseling. The Web-based course management system Blackboard is an essential tool used to facilitate the instructional process. A small student-faculty ratio makes possible an intimate classroom environment. The short length of the summer session provides an opportunity for students to take courses at approximately one-half the cost per semester hour as during the academic year. Thus, considerable savings are possible to the student who completes his or her degree requirements in three years by going to two or three summer sessions. ECSU professors and adjunct faculty provide the same quality of instruction as expected during the regular academic year. Regular ECSU professors and impressive adjunct faculty provide the instruction. The course content and academic standards in all courses are the same as in regular semesters. However, there are some basic differences that give the Summer School a distinct character of its own.

ECSU's campus is full of activities during the summer months with Fall incoming freshmen participating in student orientation, advising, financial aid, and the registration process. A number of workshops, seminars, symposia, and institutes supported by local, state, and federal agencies are held on campus during the summer. These activities facilitate the successful integration of students into the academic and social components of the campus environment. During the summer, the facilities of the University are also utilized by a variety of programs,

including NC-MSEN, Upward Bound, VA- NC LSAMP Program, V.I.K.I.N.G.S. Academy Scholars Program, and others, bringing students of all ages with diverse interests to ECSU.

PROGRAM ADMINISTRATION

The Summer Program Director is administratively responsible to the Provost and Vice Chancellor for Academic Affairs through the Assistant Vice Chancellor for Academic Affairs. The Director works in close cooperation with the various constituent parts of the University to implement the Summer Program in conjunction with the various support services of the University. The Summer School Advisory Committee provides input to the Director for the purpose of program governance. The Summer School Program is affiliated with the regional and national groups of the North American Association of Summer Sessions (NAASS).

For more information regarding the Summer School Program at Elizabeth City State University, **email us at summer@ecsu.edu**.

OFFICE OF GRADUATE EDUCATION

Graduate Education is committed to the mission of Elizabeth City State University. Quality graduate degree programs are designed to meet the needs of the citizens of northeastern North Carolina, the state, the nation, and the global community. Dedicated faculty and staff prepare students in a challenging, supportive, and highly technical environment to compete and excel in a technologically advanced society for the 21st century global economy.

The graduate degree program offerings include:

- The Master of Education in Elementary Education: A 100% online program with concentrations in Initial Certification and Teacher Leadership.
- The Master of School Administration: A rigorous program that leads to a certification as a K-12 Principal for public schools in North Carolina.
- The Master of Science in Biology, which includes two concentrations: Biological Sciences and Biology Education. The Biological Sciences track offers opportunities to study in the areas of microbiology, cell biology, plant and animal molecular biology, and biotechnology.

- The Master of Science in Mathematics, which includes four concentrations: Mathematics Education, Applied Mathematics, Community College Teaching and Remote Sensing. For your convenience, you may access our graduate catalog, applications, and enrollment forms for all graduate programs on our website at www.ecsu.edu/academics/graduateeducation/index.cfm.

DIVISION OF ACADEMIC AFFAIRS

ORGANIZATION

The academic units of the University consist of 3 Schools which house 10 Departments under the administrative leadership and supervision of the Provost and Vice Chancellor for Academic Affairs, deans, department chairs, and program coordinators. The departments offer various curricula leading to the degree of Bachelor of Science in Education, Bachelor of Science, Bachelor of Arts, and Bachelor of Science in Social Work. The Department of University Studies is also an academic unit of the Division of Academic Affairs. The schools including academic departments are as follows:

The School of Education and Business

- Department of Business, Accounting and Sports Management
- Department of Education
- Department of Military Science

The School of Humanities and Social Sciences

- Department of English and Digital Media
- Department of Social Sciences
- Department of Music and Visual Arts

The School of Science, Aviation, Health and Technology

- Department of Aviation and Emergency Management
- Department of Health and Human Studies
- Department of Mathematics, Computer Science and Applied Engineering
- Department of Natural Sciences

DEGREES OFFERED

The successful completion of academic units and general institutional requirements qualifies a student to receive one of the baccalaureate degrees offered by Elizabeth City State University. All baccalaureate degree and discipline area programs are defined in terms of major, related area courses, concentrations/specializations, academic concentration, and/or minors. Listed below are the operational definitions for these:

MAJOR — A major consists of a group of prescribed and elective courses providing breadth and depth in an academic discipline, in two or more closely-related disciplines, or in an interdisciplinary field of study. All majors at ECSU are defined in terms of a specific number of semester hours which may range from 30 to 60 semester hours.

RELATED AREAS — The requirement of a major in one discipline may include supporting courses selected from other disciplines (related areas).

CONCENTRATION/SPECIALIZATION — A concentration is a student's option within a major that consists of a group of prescribed courses designed to provide preparation in a specialty within the major discipline or tangential to it. Concentrations are required in some majors. Each concentration must be defined in terms of a specific number of semester hours, and this number is a part of the total number of hours required for the major. Concentrations must have a minimum of 12 semester hours. The number of credits in a concentration may not exceed the number of credits in the major.

MINOR — A minor consists of a group of prescribed and elective courses in an academic discipline, two or more related disciplines, and interdisciplinary fields of study, or a specially designed individual program. It differs from a major principally in requiring fewer courses and providing less depth. A student may not major and minor in the same field. All minors at ECSU are defined in terms of a specific number of semester hours which may range from 18 to 24

semester hours. The exception is Secondary Education, ranging from 24 to 31 semester hours.

FREE ELECTIVE - A free elective is a noncompulsory course that is not part of a student's major, related area, or concentration requirements. All academic programs must have a minimum of 9 semester hours of free electives.

Bachelor of Science Degree

Accounting	Engineering Technology
Aviation Science	Graphic Design
Biology	Mathematics
Business Administration	Computer Science
Chemistry	Psychology
Criminal Justice	Pharmaceutical Science
Kinesiology	Sports Management

Bachelor of Arts Degree

Communication Studies	Music
English	Sociology
History	Interdisciplinary Studies

Bachelor of Social Work

Social Work

Bachelor of Science in Education Degree

Birth–Kindergarten (BK)
Elementary Education (Grades K-6)

Bachelor of Science Degree with Teacher Licensure

Biology	Mathematics
Physical Education	

Bachelor of Arts Degree with Teacher Licensure

(Minor in Education K–12)
English History
Music

MINORS/CONCENTRATIONS

CONCENTRATIONS

- African Studies
- Air Traffic Control
- Avionics
- Child, Family, Community
- Children/Community Services
- Composition
- Comprehensive Science
- Computer Networking Engineering Technology
- Data Science
- Digital and Public History
- Economics and Finance
- Electrical and Computer Engineering Technology
- Exercise Science
- Fitness and Wellness
- Flight Education
- General Biology
- General Science
- Health
- Humanities
- Information Systems
- Management and Administration
- Management and Entrepreneurship
- Marketing and Management Information Systems
- Marketing and Promotion
- Math
- Mechanical Engineering Technology
- Molecular Biotechnology
- Music Business
- Music Licensure
- Performance
- Physical Education and Health
- Politics and Government
- Pre-Med/Pre-Dental
- Psychology
- Race and Gender Studies
- Social and Behavioral Sciences
- Social Science
- Sound Recording
- Sport Communication
- STEM
- Teacher Education
- Unmanned Aircraft Systems

MINORS

Business Administration

Communication Studies

Computer Science

Criminal Justice

English

Juvenile Justice

Mathematics

Pre-Law

Sociology

Spanish

OFFICE OF THE UNIVERSITY REGISTRAR

STUDENT RECORDS PRIVACY POLICY

The University's policy for the administration of student educational records is in accordance with the provisions of The Family Educational Rights and Privacy Act of 1974 (P.L. 93-380) as amended. Personally identifiable information contained in students' educational records will not be disclosed to persons outside the University without the prior written consent of the student. Under this policy the student also has a right of access to his or her education records maintained by the University or any department within the University. Each member of the faculty should be thoroughly familiar with this policy and comply with its provisions.

RELEASE OF DIRECTORY INFORMATION

For the convenience of students, parents, other members of the university community, and the general public, the University will make available, upon request, directory information about its students. In compliance with the Family Educational Rights and Privacy Act (P.L. 93-380), ECSU will continue to release the following types of information: the student's name, address, telephone listing, campus email address, date of birth, major field of study, dates of attendance, degree earned, and awards received. Students who do not wish to have directory information released without prior consent must make their request to the Office of the Registrar in writing within seven days after the first registration day of the current term of enrollment.

CHANGE OF NAME AND ADDRESS

It is the obligation of every student to notify the Office of the University Registrar of any name change by providing a copy of their most recent Driver's License, Marriage License or Social Security

Card. Address changes can be made on line via Self Service Banner.

TRANSCRIPTS OF RECORDS

Elizabeth City State University uses National Student Clearinghouse to accept transcript orders via Online Transcript Ordering. All work attempted (undergraduate and graduate) is included on your transcript.

ONLINE TRANSCRIPT ORDERING

The Office of Registrar is pleased to provide current students and alumni with a more efficient, accurate and speedy service for ordering and receiving transcripts.

Among the benefits that you will receive from Online Transcript Ordering are:

- Transcripts can be ordered via the web 24/7 through the National Student Clearinghouse.
- Secure transactions.
- Convenient Payment Options. (Discover, MasterCard, or Visa).
- Receive order status via E-mail and/or text message.
- Online order tracking.
- Ability to order multiple transcripts for multiple recipients in one order.

The standard processing time for a transcript request is three business days. Transcripts older than Fall 1994, data mismatches and/or request received during peak periods such as the end of a semester may require additional time for processing. An email notification will be sent when the transcript has been processed for delivery. Transcript orders will not be processed when the University Registrar's Office is closed.

There is a change in the cost of the transcript; the fee structure is listed below. It is important to note that

the only way to receive your transcript is through the online option.

Cost of Transcript	Online Processing Fee	Delivery Method Fees	Total Cost
\$5.00	\$2.25	Electronic PDF - \$1.75	\$9.00
\$5.00	\$2.25	Regular United States Mail - \$1.80	\$9.05
\$5.00	\$2.25	Express/United States - \$27.00	\$34.25
\$5.00	\$2.25	Express/Canada & Mexico - \$47.00	\$54.25
\$5.00	\$2.25	Express/International - \$60.00	\$67.25

Elizabeth City State University will prevent transcripts from being released until all obligations to the university are paid in full. All orders placed on hold due to indebtedness will be cancelled after 30 days. Current students can view their holds in their Self Service Banner Accounts. Former students may contact the University Bursar at 252-335-3471 or by email at bursar@ecsu.edu.

**Effective May 31, 2018 transcripts are no longer available for pick-up from the Office of the Registrar.

PRE-REGISTRATION

Pre-registration is a period during which the student and advisor review and plan courses for the upcoming semester. Pre-registration is required of all enrolled students. **A pre-registration late fee of \$100 will be assessed to the student's account for failing to pre-register.**

Students who register early and fail to confirm courses and pay fees by the dates designated for official registration will have their schedule of courses automatically withdrawn by the University Registrar's Office. Students who find it necessary to register after the designated dates must pay a late registration fee and select another schedule of courses for that semester.

A student is not officially registered until he or she has met all financial obligations to the University.

A student cannot attend classes if he or she is not properly registered for that course and section. Failure to follow proper registration procedures will result in loss of credit. Students whose names are not on the instructor's class roll for each class must contact the University Registrar's Office.

INDEBTEDNESS

All indebtedness to the University must be satisfactorily settled before a diploma or transcript will be issued.

PROGRESS TOWARD GRADUATION IN FOUR YEARS

To graduate in four years, the student must successfully complete all graduation requirements and an average annual course load of 31 semester hours. This course load requires the student to take approximately 15-16 hours per semester or earn hours through summer enrollment.

REGISTRATION

All students must officially register at the beginning of each semester and/or summer term; registration by proxy is not permitted. Each student is assigned a faculty advisor to assist in planning a program of study. Complete registration instructions are contained on the Registrar's Office Web page. Students are registered for and entitled to attend classes only when they have completed prescribed procedures, including payment of fees. Students not registered by the designated date must pay a \$25 late registration fee.

Students planning to return to the University after a break in enrollment, earning a degree or attending

another university are required to re-apply on line via the Admissions Webpage to obtain readmission status.

Official registration days for each semester and each term of Summer School are indicated on the University Calendar.

READMISSION: REINSTATEMENT OF FORMER STUDENTS

Students wishing to return to the University after voluntary or involuntary absence must have a grade point average of 2.0 when last enrolled at the University and apply for readmission by completing the following process:

1. Visit <http://www.ecsu.edu/admissions/index.html> to complete an online application;
2. Activate your Viking Portal; have official transcript(s) sent to the Office of Admissions for every college attended after ECSU;
3. See an Academic Advisor to review course curriculum requirements;
4. Once admitted see an academic advisor for course registration.

Students with a break in their enrollment studies of less than six (6) years are governed by the catalog of initial enrollment to the University. Students with a break in their enrollment of more than six (6) years are governed by the catalog year of readmittance to the University.

Students seeking readmission should apply for financial aid at least 30 days prior to the start of the semester of enrollment. Students who do not apply for aid as stipulated will be required to pay the full cost of attendance at enrollment. Students with an outstanding account will not be allowed to register for classes until their balance is paid in full.

Cancellation of Course Registration Policy

The University Registrar (upon the recommendation of the instructor) may cancel a student's registration in any course within a department if the registered student fails to attend the class during the first two weeks of a semester and fails to notify the instructor of his or her desire to remain enrolled in the course.

The Provost and Vice Chancellor for Academic Affairs will notify the relevant department chair of late-arriving students who cannot attend the first class meeting because of illness or other reasons.

CHANGE OF COURSE SCHEDULES

Students are responsible for the schedule of courses for which they have officially registered; therefore, the program of study should be carefully planned with the guidance of the academic advisor so that changes in registration will not become necessary at a later date. A student may drop and/or add courses online or change course sections with the approval of the advisor until the close of the official add/drop period.

ADDING AND DROPPING COURSES

ECSU emphasizes the importance of students making realistic course load decisions, staying focused, and completing courses. But there may be situations when a student must withdraw from a course. Students may withdraw from any course or courses without penalty by accessing Self Service Banner on or before the last day to withdraw from an individual course, as published in the Academic Calendar. This policy specifies limitations on course withdrawals.

MAXIMUM COURSE WITHDRAWAL (SEMESTER HOURS)

Students can drop classes without penalty during the schedule change (drop/add) period at the start of the semester. Schedule change deadlines are published in the academic calendar. After the drop/add deadline, **students can withdraw from no more than 16 semester hours during their undergraduate career in which a grade of "W" will be posted to a student's transcript.** After a student has exceeded this limit, the student must receive a final grade of A, B, C, D, or F. A grade of Incomplete ("I") will not be allowed as a substitute for a course withdrawal beyond the course withdrawal limit. Any course that a student withdraws from is counted toward the 16 semester hour limit.

TRANSFER STUDENTS

Regardless of the number of colleges a student may have attended, the number of classes they may have

taken, or the number of years they enroll as undergraduates, the policy limits them to 16 semester hours of course withdrawals. This includes any course a transfer student has dropped at another institution of higher education. The following chart shall be used:

Transfer Hours	Max Hours
0-23	15
24-51	12
52-89	9
90 or more	6
Candidate for second Bachelor	6

AUDITING COURSES

A regular full-time student may audit two courses in a given semester with written agreement from each instructor, the faculty advisor, and approval of the department Chair. Students must register officially for the classes they desire to audit. Preparation and participation in the classroom discussion and laboratory exercises will be at the discretion of the instructor. Students auditing courses are not required to take examinations or tests; however, they may do so if they desire. Auditing students receive no credit; a change may be made from audit to credit or vice versa before the 10th day of classes for that semester. The auditing form is available by accessing the University Registrar’s Office Webpage under Forms and Documents.

ACADEMIC ELIGIBILITY STANDARDS

ACADEMIC STANDING (EFFECTIVE FALL 2014)

A student’s academic standing during any term is determined by the cumulative Grade Point Average (GPA) earned on the total quality hours. To be in good standing all incoming freshmen must maintain a cumulative 2.0 GPA. Individuals with less than a cumulative 2.0 GPA are placed on either probation or suspension.

The cumulative GPA compared to the semester hours attempted and earned is used to determine the academic standing of a student. Evaluations are made to determine the academic standing of students at the end of the Fall and Spring semester. To determine the

academic eligibility of transfer students, total credit hours accepted from other institutions are added to the credit hours attempted and credit hours earned at ECSU. Students are expected to maintain awareness of their academic standing by obtaining periodic assistance from their assigned academic advisors and/or the University Registrar’s Office. The minimum academic standing requirements are as follows:

Cumulative Earned Hours	Minimum Cumulative GPA
1 -29	2.0
30 – 59	2.0
60 – 89	2.0
90 – 190	2.0
2nd Degree & Certificate	2.0

ACADEMIC SANCTIONS

Undergraduate students’ academic standing is based on the cumulative grade point average (CGPA) and Successful Completion Rate (earned hours divided by attempted hours). In order to be in Good Academic Standing students must

1. Have a cumulative GPA of at least 2.0; and
2. Earn a minimum of 67% of the cumulative credit hours they have attempted.

All prior coursework, attempted and earned, is reviewed in the determination of Academic Standing. The Office of the Registrar will measure a student’s academic performance at the end of each academic term.

Students who fail to meet the cumulative GPA requirement of 2.0 and/or 67% cumulative completion rate will be placed on academic sanction. Academic sanctions include academic warning, academic probation and academic suspension.

Academic Warning

A student will be placed on academic warning for one semester when the student's cumulative GPA falls below 2.0 or their cumulative completion rate (earned hours divided by attempted hours) is less than 67% at the end of a semester, including summer sessions.

Students with a status of academic warning may enroll in courses and must complete an Academic Intervention Plan.

A student on academic warning must achieve a cumulative GPA of at least 2.0 and a cumulative completion rate of at least 67% at the end of the next semester of attendance to be in good academic standing. Failure to achieve a cumulative GPA of at least 2.0 and a cumulative completion rate of at least 67% will result in academic probation. Students on Academic Warning are required to comply with the terms of their Academic Intervention Plan.

Academic Probation

A student is placed on academic probation when the student's cumulative GPA falls below 2.0 and/or their cumulative completion rate (earned hours divided by attempted hours) is less than 67% for two consecutive semesters of attendance, including summer sessions. A student on academic probation may not enroll in more than 15 credits per semester and no more than one course in any single summer session except under extenuating circumstances and with the permission of Academic Affairs.

Students on Academic Probation are required to enroll and successfully complete the requirements of Academic Success - STAR 100 and comply with the terms of their Academic Intervention Plan.

A student on academic probation must achieve a cumulative GPA of at least 2.0 and a cumulative completion rate of at least 67% at the end of the next semester of attendance to be in good academic standing. Failure to achieve a cumulative GPA of at least 2.0 and a cumulative completion rate of at least 67% while on probation will result in academic suspension.

Academic Suspension

A student who does not achieve a cumulative GPA falls below 2.0 and a cumulative completion rate of at least 67% at the end of their probation term shall be placed on academic suspension. Students on academic suspension may not enroll in courses. Students who are placed on academic suspension may appeal. Students who do not appeal their suspension

must sit out of ECSU for two consecutive semesters, not including the summer session. After the required two semester absence, suspended students may apply to the university to be readmitted on academic probation.

Academic Suspension Appeals

Students have the right to appeal academic suspensions and request readmission because of extenuating circumstances. The mitigating circumstances must be appropriately documented for the semester(s) in which the deficiency occurred. Appeals must include:

1. A detailed explanation of the extenuating circumstances that occurred during the specific semester in which the student was placed on Academic Suspension.
2. All necessary documentation to support the existence of the circumstances described (examples would include letter from doctor, clergy, professional, etc....) and evidence that the circumstances have been resolved.
3. Incomplete appeals will not be reviewed. If additional information is required, an email will be sent to the student's ECSU email account. After 30-days of being incomplete, the appeal will be denied.
4. Once all required documentation is submitted, students will be notified via email of the outcome of their appeal.

All appeals must be submitted by published university deadlines.

Students placed on academic suspension, but readmitted through the appeal process will be placed on Academic Probation and be limited to a course load of not more than 15 semester hours during the first semester of readmission and follow all other requirements outlined in Academic Probation. Students returning from suspension must maintain a 2.3 semester GPA and must successfully complete at least 70% of their attempted hours each semester until they have a cumulative GPA of 2.0 or better and earned a minimum of 67% of the cumulative credit hours they have attempted.

Students returning from academic suspension who fail to maintain a 2.3 semester GPA and successfully complete at least 70% of their attempted semester hours will be subject to suspension. Students who

have been suspended a second time for academic reasons may not apply for readmission within a minimum of two consecutive semesters from the date of suspension. Students who have been suspended a third time for academic reasons shall be permanently suspended unless special permission is granted for readmission by the Provost and Vice Chancellor for Academic Affairs or they are admitted under the Special Readmit Policy.

CHANGE OF MAJOR/DECLARATION OF MAJOR

A student who decides to change or declare a major must complete the Declaration or Change of Major Form via Self Service Banner and follow the procedures on the form. The new major field should appear on the next electronic transcript viewed by the student and advisor after the completed form has been electronically submitted to the University Registrar's Office.

TUITION SURCHARGE

All undergraduates seeking a baccalaureate degree at Elizabeth City State University will be subjected to a 50 percent tuition surcharge if they take more than 140 credit hours to complete a four-year degree program or more than 110 percent of the required credit hours to complete an officially designated five-year program.

EXTENUATING CIRCUMSTANCES OR MILITARY SERVICE

The University recognizes that there may be extenuating circumstances beyond a student's control which impact his or her ability to meet the GPA requirements of Satisfactory Academic Progress (SAP). Therefore, the University will permit a student to withdraw from a course or courses with written approval from the Provost and Vice Chancellor for Academic Affairs only for extenuating circumstances that occurred during the semester or summer session immediately preceding the student's request. Upon approval, the student shall be administratively withdrawn from the course or courses and receive a grade or grades of "WA" in accordance with this policy.

1. Definition of Extenuating Circumstances: An "extenuating circumstance" is defined by the University as a situation which is beyond the student's control and which could not have been prevented by the student. Such circumstances include the following:
 - a. A car accident or other incident which causes injury to the student resulting in hospitalization and/or health challenges which prohibit the student from being able to meet academic requirements;
 - b. A serious, life-threatening, or life-altering illness to the student or an immediate family member for whom the student must assume legal responsibility due to the condition;
 - c. An official, documented military deployment;
 - d. A natural disaster which negatively impacts the student's well-being due to total destruction of home or other essential familiar provisions.

The University reserves the right to consider other situations in addition to those enumerated herein in determining whether or not the alleged extenuating circumstance(s) directly impacted the student's ability to maintain the required GPA.

2. Official Supporting Documentation

A student must have official written documentation which explicitly substantiates and corroborates the assertion of the extenuating circumstances. An extenuating circumstance shall be an exceptional, one-time occurrence and not one that is characterized by a repeated pattern of behavior which has compromised the student's academic standing over time.

WITHDRAWAL FROM THE UNIVERSITY FOR UNDERGRADUATE STUDENTS

All students who are officially registered for classes and who wish to withdraw from the University must complete the withdrawal procedure at least two weeks prior to final exam week. Students must visit the Office of the Registrar to begin the process. The Registrar will explain the process, the consequences and the possible options relative to withdrawing from the University. Students will be directed to the OSFAS in order to address financial obligations.

Students who have a pending judicial charge are not allowed to withdraw from the University before the outcome of charges is completed on campus. In accordance with this policy, the University Registrar will record grades of "WD" based upon the Withdrawal Report. Students who do not officially withdraw from the University will receive a grade of "F." Students who are administratively withdrawn from a course or the University for disciplinary reasons and/or under special circumstances with written approval from the Vice Chancellor for Student Affairs will receive a grade of "WA."

ACADEMIC ADVISING

Each student is assigned a faculty advisor. This advisor meets with the student during Orientation, Pre-Registration, and when the student needs advice to help him or her select courses and to assist in planning his or her individual program of study. Once the student selects a major, he or she works with an advisor from the appropriate department. However, the student is ultimately responsible for meeting the curricular requirements.

ACADEMIC HONORS

An Honor Roll is prepared at the end of each semester showing the names of those students who by diligence, industry, and scholarship earned a semester grade point average of 3.0 or above. The Honor Roll, which is also made up of students who are on the Chancellor's List and the Vice Chancellor's List, is a special recognition of academic achievement.

THE CHANCELLOR'S LIST: This list is composed of the names of students who carried 12 semester hours or more and earned a semester average of 3.75 or above, with no grade lower than "B."

THE VICE CHANCELLOR'S LIST: This list consists of the names of students who carried 12 semester hours or more and earned a semester average of 3.5 to 3.74 with no grade lower than "C."

THE HONOR ROLL: This list consists of the names of students who carried 12 semester hours or more and earned a semester grade point average of 3.0 to 3.49. In determining other academic honors and awards, a student's cumulative grade point average is used. The GPA is computed by dividing

the total number of quality points earned by the total number of GPA hours attempted, exclusive of authorized withdrawals and repeated courses.

CHANGE OF GRADE

Each instructor is expected to give permanent final passing or failing grades. Once a final grade has been reported to the Registrar's Office, it may be changed only upon the authorization of the Provost and Vice Chancellor for Academic Affairs. A grade change is made by submitting a Change of Grade Form to the department chair. Along with filing the Change of Grade Form, the instructor also files a statement of explanation for changing the grade, signs it, and submits it to the department chair, who then reviews it. The Change of Grade Form is then forwarded to either the Provost and Vice Chancellor for Academic Affairs for approval or to the Academic Standards and Credits Committee for further review and evaluation. In some instances, the Academic Standards and Credits Committee may request the instructor to submit an additional explanation or to appear in person to justify the change of grade. This committee will then make a recommendation to the Provost and Vice Chancellor for Academic Affairs for approval or disapproval of the request for the Change of Grade.

Any request for grade changes must be done within one calendar year from the date on which the initial grade was submitted to the Registrar's Office. A change of grade, other than an "I" or "IP" grade will not be approved during the last two semesters of the student's enrollment before graduation. Exceptions to this policy will be made ONLY with the approval of the Academic Standards and Credits Committee. This policy also applies to "Repetition of Course Work."

CLASS ATTENDANCE POLICY

Class Attendance

Regular class attendance is a key determinant of student success. It also is an important factor in a student's commitment to the transfer of knowledge. For that reason, each student should recognize the benefits of regular class attendance, and embrace such as a personal charge. It is a student's responsibility to complete all coursework, including tests, and written assignments of all class

meetings. University faculty members are encouraged to monitor the progress and activity of their students.

Student's Responsibility

- To understand and adhere to an instructor's expectations for course participation and satisfactory course completion. Students must also monitor their progress throughout the term.

The Instructor's Responsibility

- To establish and communicate how students' progress and activity will be monitored
- Publish course expectations in course syllabi at the beginning of each term

CLASSIFICATION OF STUDENTS

Students are classified as Freshmen, Sophomores, Juniors, or Seniors. Accumulated semester hours determine these classifications:

Freshman:	From 0 Semester Hours to 29 Semester Hours
Sophomore:	From 30 Semester Hours to 59 Semester Hours
Junior:	From 60 Semester Hours to 89 Semester Hours
Senior:	From 90 and above

COMMENCEMENT EXERCISES

Elizabeth City State University has two Commencements: one ending the Spring Semester and the other ending the Fall Semester. Students completing their requirements during or by the end of the last term of Summer or Fall Semester will participate in the Fall Commencement ceremony. Those finishing at the end of the Spring Semester will participate in the Spring Commencement ceremony. Finally, the student "Bearer of the Mace" will function during the Fall and Spring ceremonies. (To meet the requirements for "Bearer of the Mace," the candidate must complete all degree requirements at Elizabeth City State University and have earned the highest cumulative grade point average in the graduating class for the prospective Commencement Exercise.)

COMMENCEMENT HONOR MARSHALS

Students representing each classification exclusive of seniors, who are enrolled as full-time at the end of the Spring and Fall Semesters and matriculating for a degree at Elizabeth City State University, are selected as Commencement Honor Marshals. These students must have the highest grade point average in their respective classifications. For the purpose of determining the classification for transfer students, the total number of credit hours earned at ECSU is added to the total credit hours earned at other institutions.

COURSE LOAD

Elizabeth City State University students normally take four or five courses per semester. Because the majority of courses carry three semester hours of credit, this works out to 15 or 16 hours per semester. Students may not take more than 18 hours per semester except with the approval of the Provost and Vice Chancellor for Academic Affairs.

In special cases, students with a cumulative grade point average of 3.25 or above may be authorized, with the approval of the Provost and Vice Chancellor for Academic Affairs, to carry up to a maximum of 21 semester hours. Students returning after suspension will have a limited class load of not more than 15 credits per semester and no more than one course in any single summer session except under extenuating circumstances and with the approval of the Provost and Vice Chancellor for Academic Affairs during the first semester of readmission and must maintain a 2.3 semester grade point average until they have satisfied the minimum scholastic average requirement.

A student must be enrolled for 12 hours to qualify for full-time certification to any campus organization.

CREDIT AND PLACEMENT REGULATIONS

Transfer Credit, Transient Credit, College Level Examination Program, General and/or Subject Examination Credit, Correspondence Credit, and

Extension Credit are coordinated through the Office of Admissions and the Office of the Registrar.

Elizabeth City State University will accept up to 48 semester hours from the aforementioned programs excluding transfer credit from other accredited institutions.

The number of credits which can be accepted in transfer from a two-year institution is limited to 65 semester hours. All transferable work completed in residence at an accredited four-year institution of higher education is not limited to 65 semester hours provided the student has earned a grade of "C" or better in each course.

A minimum of 30 semester hours at the upper level applied toward a bachelor's degree must be earned through regular enrollment in courses at ECSU. These 30 semester hours must include a minimum of 15 semester hours of credit in junior/senior-level courses in the major field.

DOUBLE MAJOR

A student may complete a major in two separate disciplines by fulfilling course requirements for each major. Students desiring to carry a double major will be advised in both majors by the advisors in the respective departments.

EXTENSION CREDIT

Credit earned through extension classes is considered off-campus credit and may be used to satisfy degree requirements when approved in advance by the chair of the student's major department and by the Provost and Vice Chancellor for Academic Affairs. A student must file a request and obtain the approval of the department chair and the Provost and Vice Chancellor for Academic Affairs, prior to taking the off-campus course, and must earn not less than a "C" grade in the course to be granted credit for it. No more than 24 semester hours of extension credit may be used toward fulfilling degree requirements.

FINAL EXAMINATIONS

Final examinations are required in all courses and are held at the close of each semester. There will be no departure from the printed schedule of examinations. Changes for individual emergencies will be made

only with the approval of the instructor and the department chair. A student who is absent from an examination without an excuse will be given the grade of "F" for the examination. An Incomplete will be given in the case of a student being absent from the final examination who presented a satisfactory excuse to the instructor, approved by the department chair.

GRADE REPORTS

Students are requested to view mid-semester grades electronically and have continuous dialogue with faculty members so that they are continuously cognizant of their performance in class.

Grade reports are available electronically at the end of each semester and each summer school session. Semester final grades are recorded electronically by each instructor, not later than 48 hours after each examination in a course is given. Each instructor is expected to be available on a full-time basis in his or her office for consultation with students and to assist the department chair during final examination week.

In the event of an emergency in which an instructor is unable to administer final examinations or to compute and record final grades, the chair of the department concerned is authorized to make arrangements for the final examination(s) and the computation and posting of final grades.

Students and advisors may view grades electronically for all semesters.

GRADING SYSTEM

- A Designates work of exceptionally high quality. The "A" grade represents the highest level of academic attainment; it is given only for work of the highest quality.
- B Designates work which is above average and of good quality. The "B" grade represents a high level of academic attainment; it is given for work which is above average but lacks the high quality of "A" work.
- C Designates work which is satisfactory and of average quality. The "C" grade represents an adequate level of academic attainment; it

is given for work which is acceptable but lacks the superior quality of "B" work.

- D** Designates work of less than satisfactory quality. The "D" grade represents a minimal level of academic attainment; it is given for work which is less than average in quality but is at least of sufficient quality to meet minimum standards in most courses and thus carries credit. However, in GE 100 Grammar and Composition, GE 106 College Reading, GE 109 College Math, GE 102 English Composition and Grammar, GE 103 English Composition and Vocabulary or GE 102H/GE 103H, and courses within the Professional Education sequences, grades of "D" work do not meet the minimum standards and must be repeated.
- F** Designates work of such unsatisfactory quality that no credit is awarded.
- I** Indicates that the student may have maintained a passing average, but for reasons beyond his or her control, some specific performance such as an examination, a report, a notebook, or experiment has not been completed. An instructor awards a student an "I" grade ONLY for a justifiable reason. An "I" grade carries no quality points.
- IF** Indicates an incomplete grade that was changed to a failing grade by the Registrar's Office after the designated time had expired for the change. An "IF" grade carries no quality points.
- IP** Indicates that the student has not completed the Senior Honors Thesis/Project or certain Flight courses or not passed the PRAXIS to exit EDUC 400. Students may take two semesters to complete the Senior Colloquium Thesis/Project with an "IP" (In Progress) grade for the first semester. This same rule applies to the Flight courses that require additional participation beyond the end date for regular semesters. Students may take three semesters to complete EDUC 400.
- P** Passing (No credit courses.)

WA A "WA" grade will be assigned to a student who has been administratively withdrawn from a course or the university for disciplinary reasons and/or under special circumstances wherein administrative approval is required.

W Withdrawal. The grade of "W" is given to indicate withdrawal from a course by the designated deadline.

WD Withdrawal from the university.

Plus or minus signs are not recognized in computing and recording official passing grades at Elizabeth City State University.

GRADUATION HONORS

Graduation Honors Policy

Degrees with distinction are awarded to graduating seniors in the following categories:

Cum Laude for GPA 3.25 through 3.59

Magna Cum Laude for GPA 3.60 through 3.79 (No grade below "C")

Summa Cum Laude for GPA 3.80 through 4.0 (No grade below "C")

To be eligible for degrees with distinction, a student must have earned at least 60 semester hours in residence at Elizabeth City State University. The student must also have the required overall average in all course work attempted and at least a 3.0 average in all transfer courses.

Any decision about Graduation Honors not stated above is to be addressed by the Academic Standards and Credits Committee.

GRADUATION REQUIREMENTS

Elizabeth City State University awards the bachelor's degree to students who have satisfactorily fulfilled the following graduation requirements:

- completion of all General Education courses as prescribed by the University for all students;
- have an overall grade point average of 2.0, and a major grade point average of 2.0 or higher, depending on the academic department;
- completion of all courses and other requirements prescribed by the major department (For specific

department or program requirements, see individual sections as described in this catalog.);

- a record of having taken and completed the required examinations or approved equivalents for exiting the program of study;
- demonstration of personal and professional qualities which are expected of an educated person, as verified or affirmed by the appropriate university officials;
- approval and recommendation by the department and general faculty as a worthy candidate for graduation;
- **filing of an Application for Graduation for the Fall by September 15, Spring by November 15, in the Office of the Registrar;**
- meeting all financial obligations to the University through the Office of Business and Finance; and
- meeting the residence requirements of the University.

Presence of candidates for degrees is required at graduating exercises, except when permission for graduating in absentia has been granted by the Provost and Vice Chancellor for Academic Affairs. A written request for permission to graduate in absentia must be made at least 10 days prior to Commencement Day.

It is the sole responsibility of each candidate for graduation to meet with the academic advisor of the major department and have his or her academic record evaluated to determine whether all institutional and departmental requirements for graduation have been met.

All Teacher Education majors must take the required parts of the PRAXIS SERIES and have the scores on file in the Registrar's Office at least 10 days prior to Commencement Day.

INDEPENDENT/INDIVIDUAL STUDY

Independent study must have final approval from the Provost and Vice Chancellor for Academic Affairs before course work begins.

The student who wishes to pursue a course by individualized study must secure permission from the department chair, the Provost and Vice Chancellor for Academic Affairs, and the instructor of the department in which the course is offered.

MILITARY SCHOOL CREDIT

Credit for courses taken in military schools or military experience is based on recommended credit for military courses in the Guide to the Evaluation of Educational Experience in the Armed Services compiled by the American Council on Education. The individual seeking credit for military service and experience must submit official evidence of having completed the training, experience, or education while in service for each course in which he or she is requesting a course substitution in a curriculum at Elizabeth City State University. No more than 24 semester hours may be used toward fulfilling degree requirements. A grade of "C" or higher must have been earned in each course to be accepted at ECSU.

PROCEDURES FOR EVALUATION OF TRANSFER CREDITS

A preliminary evaluation of transfer credits is completed at the time a transfer student is accepted. After all official records are received directly from each institution previously attended; the final evaluation of the record(s) is made to determine how many credits are transferable. Final acceptance of transferred credits toward graduation requirements at Elizabeth City State University will be determined by the academic department in which the student majors. No course will be accepted for transfer credit in which a grade of less than "C" was earned.

All courses accepted for transfer credit which are required by the major must have been earned within six years prior to transfer and/or knowledge must be measured through examination.

QUALITY POINT SYSTEM

A grade (quality) point system based on all hours attempted at Elizabeth City State University is used to calculate students' Academic Achievement. Grade symbols currently in use for all undergraduate courses are: A-Excellent, B-Good (above average), C-Average, D-Poor (passing but not satisfactory in some departments), F-Failing (course must be repeated to earn credit), I-Incomplete, IP-In Progress, IF-Incomplete Failing.

Quality points are computed by multiplying the number of semester hour credits by four for courses

in which a grade of A is earned; by three for a grade of B; by two for a grade of C; and by one for a grade of D. Earned quality hours and quality points are computed for grades of IA, IB, IC, and ID. No quality points are given for grades of "I," "F," "IF," "IP," "W," "WA," and "WD," and they are not counted in the hours attempted and not computed in the cumulative GPA except for the grade of "I," "F," and "IF." Elizabeth City State University does not recognize plus or minus.

The grade point average is obtained by dividing the total number of quality points earned by the total number of G.P.A hours.

EXAMPLE:

Course	Grade	GPA Hours	Quality Points
EDUC 202	A	2	8
ENGL 301	B	3	9
ECON 202	C	3	6
TECH 101	D	1	1
MATH 157	F	3	0
CHEM 101	W	0	0
		12	24

(24 divided by 12 = 2.0)

REEXAMINATIONS

Reexamination (final) for the purpose of removing a failure is permitted only in the case of graduating seniors who were passing the course at the time the examination was given. The reexamination must be submitted and grade recorded in the Registrar's Office in time for the student to be placed on the graduation list for that term.

REMOVAL OF 'I' GRADES

A grade of "I" is to be assigned only when a small portion of a course requirement has not been completed, i.e., the final exam, one major exam, completion of a term paper or class project, or part of the requirement of a laboratory. A grade of "I" may not be assigned to improve a grade.

When a grade of "I" is assigned, a detailed description of the work to be completed must be determined by the instructor and provided to the student and the department chair. An "I" grade may not be removed by repeating the course.

An Incomplete earned in any given term (Fall, Spring, Summer) must be removed by the end of eight weeks of classes during the next regular semester (see Academic Calendar). If not removed, the grade of "I" will be automatically changed to a grade of "IF."

REPEATING OF COURSES POLICY

Students who receive a grade of "C" or better in a course may not repeat that course for credit towards completion of the requirements for the degree they are pursuing unless special permission is granted by the department chair and Provost & Vice Chancellor for Academic Affairs.

Students who receive a grade of "D" or "F" in a course taken at Elizabeth City State University may repeat the course if either of the following applies:

1. The course is specifically required by the student's academic major and/or the Honors Program and a grade of "C" is also required or is a prerequisite for another course in the major.
2. Repeated registration in a course may be allowed if the course description carries the statement, "may be repeated" or "repeated to a maximum of credits."

Should six or more years have elapsed since a student's initial enrollment in any course, and current knowledge of the course content is needed, the department may require the student to repeat the course.

A student may repeat a given course only twice. The student may repeat a maximum of 16 semester hours during his or her matriculation toward a degree.

All grades received will be recorded on the student's permanent record, but only the higher grade will be used in computing the grade point average.

A course repeated may be taken at ECSU or, with prior approval, at another four-year institution.

Appeals or request for waiver of any of the terms associated with this policy may be made to the

university's Academic Standards and Credits Committee.

RESIDENCE REQUIREMENTS

A minimum of 30 semester hours of credit at the upper level applied toward a bachelor's degree must be earned through regular enrollment in Elizabeth City State University courses, including a minimum of 15 semester hours of credit in junior/senior-level courses in the major field.

A student who does not graduate with the class with which he or she enters may meet ECSU requirements for graduation as stated in the university catalog in effect for the year entered, if graduation occurs within six years. Otherwise, the student will be expected to meet the requirements as stated in the ECSU catalog in effect at the time of reentry if he or she returns as a full-time degree student. If he or she returns as a part-time student, the student will be expected to meet the requirements as stated in the ECSU catalog in the year in which work is begun on the final 15 hours. Matriculating students who begin their enrollment during the summer session will be governed by the ECSU catalog for the forthcoming Fall semester.

SECOND BACHELOR'S DEGREE

Students already possessing a bachelor's degree from ECSU or from another institution who are accepted to work toward another undergraduate degree at ECSU must meet the University's regular graduation requirements in the discipline area, beyond the General Studies requirements for that major. A minimum of 30 semester hours must be earned in accordance with the residence requirement by regular enrollment at ECSU. A grade point average of 2.0 must be obtained, and the student must meet the requirements in the major as specified by the department chair.

SEMESTER CREDIT HOURS

All course offerings are evaluated in terms of the unit of semester credit hour. A semester credit hour normally represents the completion of a course involving 150 minutes of lecture, recitation, reports, or a combination of directed learning activities each week for a semester. Thus, courses meeting for three class hours per week, or two times per week at one

hour and 20 minutes, normally yield three semester hours of credit. Normally, two hours per week of laboratory work in freshman and sophomore courses allow a student to earn one semester hour of credit. Junior- and senior-level courses allow a student to earn one semester hour of credit for three to four hours of laboratory work.

STUDENT CONDUCT

Students enrolled at Elizabeth City State University are expected to maintain high standards of honor, scholastically and morally. Self-discipline should be the primary goal of each student. Registration at the University implies the student's acceptance of the published rules and regulations as stated in the Student Handbook and other university publications.

The integrity and behavior of students will reflect upon themselves, their families, and ECSU. Students are also expected to respect the rights and privileges of others, and to abide by the laws of the city, state, and nation, and by all of the rules and regulations of Elizabeth City State University.

Students should avoid all forms of SCHOLASTIC DISHONESTY, such as the following:

1. **PLAGIARISM.** Copied work, word for word or in substance, from the writings of others and presented as one's written work for credit. It is always assumed that the written work offered for credit is the student's own unless proper credit is given the original author.
2. **COLLUSION.** Working with another person in the preparation of notes, themes, reports, or other written work offered for credit unless collaboration is specially approved in advance by the instructor.
3. **CHEATING ON AN EXAMINATION OR QUIZ.** Giving or receiving, offering or soliciting information, or using prepared material in an examination or a quiz. When taking an examination or quiz, students are expected to refrain from talking and bringing notes and books, and must remain in the room until the examination is finished unless the instructor approves of the student's leaving after finishing the examination or quiz.
4. **IMPERSONATION.** Allowing another person to attend classes, take examinations, or do graded assignments for an enrolled student under his or her name is strictly forbidden.

Incidents of academic dishonesty, which are reported to and affirmed by the Academic Standards and Credits Committee, will result in punitive measures ranging from issuing a grade of failure to expulsion from the University. The action taken will be in accordance with the severity of the act as adjudicated by the parties which are responsible for administering this policy, namely the Academic Standards and Credits Committee and the Provost and Vice Chancellor for Academic Affairs.

STATUTE OF LIMITATION ON COURSES

Courses taken in excess of 10 years where a Bachelor's degree was not earned or awarded, may not be used toward graduation and must be repeated unless approval is granted by the Provost and Vice Chancellor for Academic Affairs.

STUDENT APPEAL OF COURSE GRADE

A student, after conferring with the instructor involved and the department chair, may present in writing to the Chair of the Academic Standards and Credits Committee an appeal regarding the course grade given within one year from the date the original grade was received. The Chair of the Academic Standards and Credits Committee refers all appeals of course grades to that Committee and the chair of the department in which the course was offered. No change of grade is made except as a result of the recommendation rendered by the Academic Standards and Credits Committee to the Provost and Vice Chancellor for Academic Affairs who then authorizes the change.

TEXTBOOKS

Textbooks or their equivalents are required in all courses. An instructor may reserve the right to require every student enrolled in his or her course to possess textbooks, equipment, supplies, and uniforms necessary for the work of the course.

TRANSIENT CREDIT

Course work undertaken by Elizabeth City State University students at other accredited institutions

may be transferred to the University subject to the following regulations:

- ECSU is not obligated to accept any credit from another institution unless the student has obtained initial approval from the department chair. A Permit for Transient Study form should be completed and submitted to the Provost and Vice Chancellor for Academic Affairs for approval.
- No student with a cumulative grade point average below 2.0 on a 4.0 scale will be allowed to take courses at another institution; such credits are unacceptable at ECSU.
- No grade below "C" will be accepted; quality points will be honored on the 4.0 point grading system.
- The student must request that an official transcript to be mailed to the Registrar's Office upon completion of the course.

Students who have attained senior status may not attend a junior college, community college, or a technical college or institute and receive credit toward graduation at ECSU. Exceptions to this rule must be authorized by the Provost and Vice Chancellor for Academic Affairs.

WAIVERS AND SUBSTITUTIONS

Waivers and substitution of courses, program requirements, and academic regulations are permissible with the proper approval. Only under unavoidable and exceptional circumstances will the advisor permit

STUDENT AFFAIRS

OFFICE OF THE DEAN OF STUDENTS

New Student Orientation

The Office of the Dean of Students coordinates the New Student Orientation program (NSO) for new freshmen and transfer students. NSO introduces students to university programs and services, provides an opportunity for new students to interact with staff, faculty, and administrators, and students receive academic advisement and guidance with registering for classes. NSO is offered during the months of June, July, August, and January and is required for all new students prior to enrollment.

Community Standards

The Office of Community Standards administers the student conduct process, upholds the Student Code of Conduct, and educates the university community on a set of standards using a developmental approach to promote a culture of integrity through the values of accountability, fairness, and honesty.

The filing of an application for admission shall be construed as both evidence and pledge that the applicant accepts the standards and regulations of Elizabeth City State University and agrees to abide by them. Each student, by the act of registering for classes, obligates themselves to obey all rules and regulations of the University as stated in the Student Code of Conduct, the University Catalog, and other university publications. More information on ECSU community standards, including the student code of conduct, illegal drug use policy, and sexual harassment can be found online at www.ecsu.edu in the university policy manual.

Student Orientation Leaders

VANS (Vikings Assisting New Students) is a group of student orientation leaders who work with new freshmen and transfer students during the New

Student Orientation program. Members serve as peer educators, tour guides, and discussion leaders. Students interested in VANS must have a 2.5 GPA and complete an application process by the November deadline.

For more information, contact: Office of the Dean of Students, C.W. Griffin Hall, Suite 500, Elizabeth City, NC 27909, Telephone: 252-335-3271, Fax: 252-335-3502.

Student Engagement

Student Engagement facilitates student participation in various organizations, events and development opportunities such as service groups, clubs, health and wellness programs and cultural activities. The office provides experiences that supplement academic instruction and support students to develop personally, socially and intellectually through a broad spectrum of services, programs, and events.

For more information, contact: Student Engagement, Ridley Student Complex, Suite 211, Elizabeth City, NC 27909, Telephone: 252-335-3143.

DIVISION OF STUDENT AFFAIRS

The Division of Student Affairs provides many opportunities for students to develop personally and socially through active engagement in experiences such as community service, career exploration, health and fitness, and campus life. The Division strives to create and promote an environment in which students can develop into mature, well-rounded citizens who are self-disciplined and aware of the lifelong process of learning. The Division includes the Office of the Dean of Students, Career Development Center, Community Standards/Student Conduct, Counseling and Testing, Special Needs Services, Housing and Residence Life, Student Engagement and Student Health Services.

Student Affairs assists with student's adjustment to both the academic and the non-academic environments of the campus.

Student Affairs programs are designed to promote student initiative, responsibility, integrity, and opportunities for leadership.

For more information contact the Division of Student Affairs, C.W. Griffin Hall, Suite 500, Elizabeth City, NC 27909 at 252-335-3276, Fax: 252-335-3502.

CAREER DEVELOPMENT CENTER

The Career Development Center aids students at various stages of their career with decision-making, exploration, and the job search process. A variety of programs and services assist students in defining their career objectives and finding out about the current job market while learning how to conduct a job search for employment.

In addition to the career decision and exploration services, the Career Development Center provides extensive assistance with workshops on interviewing, résumé writing, and business etiquette, and online internship and employment search resources.

The Career Development Center disseminates information concerning available internships and jobs, and it handles all arrangements when employers visit the campus to interview students. On-campus recruiting is scheduled through the center during the Fall and Spring semesters. Students can also make valuable employment contacts at the Annual Career and Graduate School Fair, and the Annual Teacher Education Fair. Alumni may also receive career assistance on employment vacancy listings through Career Development.

Services Provided Include:

- Career Counseling
- On Campus Recruiting
- Career, Education and Graduate School Fair
- Graduate and Professional School Information
- Workshops: (Resume Writing, Interview Techniques, etc.), Dress for Success
- Job Search Preparation
- Networking Opportunities

Career Resources

A wealth of career information is available in the Career Development Center. Printed information on employment trends, future outlooks, company literature, and school system applications are available for all students and alumni to review. Students also have access to hard copy career-related publications. Online Portals are also offered through the Center.

Internship Programs

Internships can offer innovative ways to achieve career success for students working with the latest technology in their field of study. Students gain valuable work experience in a wide variety of fields. The Career Development Center helps students prepare and find paid and unpaid internship opportunities.

For more information contact: Career Development Center, C.W. Griffin Hall, Suite 123, Elizabeth City, NC 27909, Telephone: 252-335-3355.

COUNSELING AND TESTING CENTER

Counseling Services

The Counseling and Testing Center (CTC) provides individual, career, couples, and group counseling as well as psycho-educational groups for personal and social development. A series of self-development workshops is offered during the Fall and Spring semesters. Topics include, but are not limited to, the following:

- Romantic and Social Relationships
- Depression and Anxiety
- Anger Management
- Stress and Time Management
- Grief Counseling

Referrals are made to community agencies when needed. Counseling Services are free and confidential. Contact information: Counseling and Testing Center, Griffin Hall, Suite 200, Elizabeth City, NC 27909. Telephone: 252-335-3273/3834/3642, Fax: 252-335-3728.

Testing Services

The Counseling and Testing Center coordinates and administers national, local, and specialty tests to students, staff, and non-affiliated off-campus individuals and groups. The University is a national test site for Educational Testing Services in Princeton, New Jersey. The following tests are offered: CLEP, MAT, LSAT, SAT, ACT and Proctored Exams as requested.

THE OFFICE OF DISABILITY SERVICES

In accordance with Section 504 of the Rehabilitation Act of 1973, the American with Disabilities Act of 1990 ("ADA"), The ADA Amendment Acts (ADAAA) and state law, Elizabeth City State University (ECSU) is required to provide reasonable modifications in academic, co-curricular and other ECSU campus activities to individuals who qualify under the ADA. Disability Services will provide the following to students who have on file a documented disability/disabilities: disability-related counseling, consultation for accommodations during enrollment at ECSU, reasonable accommodations, and accommodation(s) notifications to instructors. Consultation services regarding accommodations are provided to prospective students and, upon request, to all ECSU students. For more information, contact: Counseling and Testing, C.W. Griffin Hall, Suite 200, Elizabeth City, NC 27909, Telephone: 252-335-3273/3642/3834 and Fax: 252-335-3278.

THE PACE CENTER

PACE stands for protection, awareness, cultural and education. It is supported by a collaborative team of on- and off-campus partners. The Center is committed to decreasing violence on campus through outreach and advocacy and is open to individuals of all genders in the ECSU community. The PACE Center works to promote awareness of cultural factors that support violence and to combat these factors in efforts to change cultural norms on campus related to sexual assault, relationship violence, domestic violence, and stalking.

Goals of the PACE Center include:

Development of preventive and survivor-focused programming to aid victims of sexual assault and sexual violence

Promote an inclusive learning environment

Continued education of campus community members on the importance of consent

Implementation of prevention and education materials for all incoming and current students

Provision of bystander intervention training to campus and student leaders

Fostering of dialog among campus departments and between students, faculty, and staff

Communication of the unacceptable consequences of sexual violence on the individual and the community to students, staff, and faculty

Development of university policy and protocol related to sexual misconduct and sexual assault

Note on confidentiality: The PACE Center is subject to Clery Act and Title IX regulations.

HOUSING & RESIDENCE LIFE

Housing & Residence Life

Elizabeth City State University offers residential living to students who are admitted and enrolled at the University. The residential living areas are comprised of four suite-style residence halls.

Each residence hall is staffed by a team of Residential Life Community Directors, Resident Assistants, Desk Assistants, and Residence Security Officers. Students are encouraged to be active members of the residence hall community by planning and attending hall programs, creating and adhering to community standards and being open to new experiences.

Residence halls are officially closed during the Thanksgiving, Winter and Spring Breaks, or other times as needed to comply with emergency situations.

A comprehensive list of the Housing and Residence Life policies and practices can be found in the Housing Agreement and Resident Student Handbook.

Food Services

Dining services are provided in two (2) campus locations: Bedell Hall Cafeteria for food court dining as well as traditional cafeteria dining, and the Viking Grill, located in the Walter N. & Henrietta B. Ridley Student Complex.

All students residing in residence halls must purchase a meal plan. Off-campus students are encouraged to purchase a commuter meal plan. The University reserves the right to deny food service to any student who is delinquent in paying their student account or who violates the established regulations with regard to personal conduct in the cafeteria.

Student Health Services

Student Health Services provides accessible, quality health care services and educational programs to promote the health and well-being of the student population. The services include diagnosis, treatment and follow-up on general medical and urgent health care needs, allergy injections, immunizations, depo injections, HIV testing and counseling, laboratory services, and limited pharmaceuticals. Students may incur charges for certain services rendered at Student Health Services.

All new and transfer students taking more than four credit hours on campus and admitted to the University are required to submit a completed Medical History Form. In addition, all new and transfer students must provide an immunization record to the University as required by the North Carolina Immunization Law (General Statutes 130A-152). Readmitted students who re-enroll after an absence of six months or more must also provide Student Health Services with updated immunization records.

Immunizations along with the Medical History form must be returned to Student Health Services **NO LATER THAN:**

JULY 15	FALL ENROLLMENT
DECEMBER 4	SPRING ENROLLMENT
MAY 1	SUMMER ENROLLMENT

Hours of Operation

Student Health Services is open Monday through Friday from 8:00 a.m. to 5:00 p.m. Physician hours are 9:00 a.m. to 4:00 p.m., Monday through Thursday and 9:00 a.m. to 12 pm on Friday. Physician hours for the summer will be announced. Should a student suffer an injury or become seriously ill on campus when Student Health Services is closed, he or she should notify the Residence Life Community Director or Campus Police. Students are also encouraged to utilize the Nurse Hotline service provided by the student health insurance plan. Please call 911 to activate the local emergency management system for emergencies.

Student Health Insurance

All students enrolled in 6 credit hours or more are required to have health insurance. Students have an opportunity to waive the health insurance fee during the Fall and Spring semesters by completing the waiver process online at www.bcbsnc.com/student. All students enrolled in 6 credit hours or more who do not waive the health insurance fee, will be automatically covered under a health insurance policy provided by the University. The primary purpose of this coverage is to offset the costs of health care. Brochures outlining the coverage and limitations may be viewed online at www.bcbsnc.com/ecsu/edu. There will be a two-week appeal period immediately following the waiver period for any student who did not successfully complete the hard waiver student health insurance verification process prior to the campus deadline for submitting a waiver request. This applies to students who never filed a waiver request as well as students who filed a waiver request and had it declined. The campus-based appeal process is the same for all students across all UNC campuses.

Fees and charges for medical services, diagnostic procedures, and laboratory services not covered by the student health insurance are the responsibility of the student. Student Health Services will file claims if the student has health insurance provided by the University. All other insurance claims are not filed by Student Health Services for students.

Peer Health Educators

Peer Health Educators is a group of students trained to deliver prevention messages and encourage healthy lifestyles to their peers. Members assist Student Health Services with conducting educational programming and performing outreach activities. Interested students must have a 2.0 GPA or higher and submit an application. Applications can be picked up from Student Health Services, Suite 300 Griffin Hall.

Walter N. and Henrietta B. Ridley Student Complex

The Complex consists of "The Grill", The Bowling Center, and the Walter N. & Henrietta B. Ridley Student Center. The center is approximately 50,000 square feet. This facility was opened to students in May, 2005, and serves as the nucleus for many university activities. The center houses the following offices and services:

- Office of Student Engagement
- Student Government Association (SGA)
- Greek Life
- PACE Center
- Student Activities Council (SAC)
- Theater Room
- Multi-purpose Activity Space
- ECSU Campus Bookstore
- Study Nook
- Bowling Center
- Bedell Cafeteria
- Campus Post Office
- The Blue Room – Formal Dining Room

Bowling Center

The Bowling Center offers the following activities and services for students: bowling, billiards, ping pong, sport equipment rentals, bicycle rentals, video games, board games and cards.

The Bowling Center is available for private events for students, employees and community members by reserving the space through the Office of Student Engagement.

Campus Recreation

Campus Recreation provides an opportunity for students to participate in a variety of recreational activities. The program includes intramural sports, aquatics programs, and open free-play. The Campus Recreation program is open to all individuals who are officially enrolled in the University or employed by the University.

The intramural program includes non-competitive as well as competitive activities such as bowling, basketball, volleyball, softball, weight-lifting, flag football, racquet ball, golf, co-ed softball, powder puff football, and other sports. The aquatic program includes open free swim, and the fitness program includes aerobics classes.

Student Clubs and Organizations

A variety of social, academic, and service organizations exist on campus to aid in the holistic development of ECSU students. Membership is open to all students who maintain a minimum cumulative GPA of 2.0 and who are officially enrolled in the University. Participation in clubs and organizations provides a wonderful opportunity for leadership training and social education. There are approximately 40 registered organizations.

Graduate Student Council (GSC)

The Graduate Student Council (GSC) is dedicated to:
 Serve as the official representative body for students enrolled in graduate programs at Elizabeth City State University.

Provide a forum for discussion of issues, both internal and external, of concern to graduate students.

Represent graduate student interests before the ECSU faculty and administration.

Organize, promote, and conduct activities beneficial to graduate student life.

Disseminate information of interest to students pursuing graduate education at ECSU.

Provide support and assistance to graduate student organizations.

Own and manage property and accounts which will assist in securing the above objectives.

Select graduate students for appointment to university committees.

Provide a common association among graduate students in all departments of the University represented with graduate programs.

Honor and Recognition Societies

Elizabeth City State University has eight honor and recognition societies. To qualify for membership, a student must have a high academic average as well as good character. The eight societies are: Alpha Chi (N.C. Iota Chapter), Alpha Kappa Mu (Alpha Kappa Chapter), Alpha Phi Gamma (Delta Rho Chapter), Beta Beta Beta (Eta Chi Chapter), Kappa Delta Pi (Kappa Delta Chapter), the Sigma Tau Delta (English), Lambda Pi Eta (Communications Studies) and Psi Chi (Psychology).

Greek Life

The National Pan Hellenic Council and Intra-Fraternal Council serve as the umbrella organizations for all Fraternities, Sororities and Social Fellowship Groups on campus. Each has its own membership policies and goals. A member of the organization should be contacted for specific details pertaining to his or her organization.

Student Leadership Development Academy

The Student Leadership Development Academy (SLDA) is designed for students who are interested in holding a leadership position on campus. Through a year-long series of seminars and workshops, participants will assess their leadership style, practice leadership skills, meet and interact with campus and community leaders, plan strategies for campus and community involvement, and set goals for their personal leadership development.

Music Organizations

Elizabeth City State University has several music organizations and ensembles including the University Marching Band, Concert Bands, Jazz Band and the University Choir. Contact the Music Department for details on how to join a music organization or ensemble.

Publications

Students are involved in writing and editing many university publications. The Compass, the student

newspaper, is published on a regular basis. The Viking, the student-produced yearbook, serves as the college annual. The ECSU Student Handbook is the primary source of information regarding campus life and other university regulations. Student Rights and Responsibilities, Policies and Procedures is a document that addresses the fundamental rights and responsibilities of students, which is included in the student handbook.

Intercollegiate Athletics

The Intercollegiate Athletic Program is an integral part of Elizabeth City State University. Committed to academic excellence, the program takes pride in having one of the highest graduation rates of athletes attending the NCAA Division II colleges and universities in North Carolina.

Varsity sports provide an opportunity for athletically gifted students to compete on an intercollegiate basis. Mastery of skills, good health, a love of sports, and a spirit of friendship and camaraderie form the basis for our competitive sports program.

The University features a main gymnasium (R.L. Vaughan Center) with seating for 4,500 spectators plus many other features. Men's varsity teams include football, cross-country, basketball, golf, and cheer-leading. Volleyball, bowling, cross country, basketball, softball, tennis, golf, and cheer-leading have teams for women at the varsity level. Teams are nicknamed the "Vikings" and the "Lady Vikings."

The University has athletic affiliations with the Central Intercollegiate Athletic Association (CIAA) and the National Collegiate Athletic Association (NCAA).

INFORMATION TECHNOLOGY

The Division of Information Technology (IT) provides integrated technology services and support for the Elizabeth City State University campus in four distinct functional areas: Administrative Computing, Client Services, Information Security, and Network Services. IT is committed to providing a reliable, cost effective, and quality service to the University community in support of ECSU's mission.

Administrative Computing provides application server administration support, data reporting and analysis, and database administration. For more information about Administrative Computing team please

visit <https://www.ecsu.edu/administration/information-technology/administrativecomputing.html>

Client Services is responsible for providing hardware/software support for university-owned applications and hardware, computer lab support, and IT rooms/equipment reservation requests.

Network Services (Infrastructure) is responsible for the operation and maintenance of the existing voice, data, and video communications, wired and wireless network support, email/domain account support, server administration and maintenance, and managing the University's data center resources. For more information about the Infrastructure team please visit <https://www.ecsu.edu/administration/information-technology/infrastructure.html>

The Office of Information Security (OIS) is responsible for establishing, implementing, and maintaining a campus-wide Information Security Program. OIS is committed to protecting the confidentiality, integrity, and availability of ECSU's information assets from unauthorized use, access, disclosure, modification, damage, or loss. For more information about services offered by the office of Information Security please visit <https://www.ecsu.edu/administration/information-technology/security.html>

Please visit <http://www.ecsu.edu/it> for more information about DIT's service portfolio. Other IT services and support include security and audit

compliance, technology training support, and website services. Visit the IT website for more information about the available services and support.

END-USER SUPPORT SERVICES

Information Technology provides access to technology resources for students to support their general academic efforts. Current students are provided a Banner ID and an email/domain account also known as VikingOne to access Self Service Banner (SSB), email, network domain, Viking WiFi, and other university online resources such as Lynda.com. Accounts are automatically created each semester for all students who officially register. Freshmen and transfer student accounts are distributed at New Student Orientation. Students have wireless connectivity available across campus. Student, Faculty and Staff can benefit from the self-service password reset portal located at <https://password.ecsu.edu> .

The Information Technology Center (ITC), a two story, L-shaped building, houses office spaces for the Division of Information Technology, Administrative Computing, Client Services, Network Services, Distance Education, and Video Conferencing. The facility has one computer lab that is used for training classes that are supported by IT and a video conference room.

For more information about IT Client Services team please visit <https://www.ecsu.edu/administration/information-technology/clientservices.html> .

ITCS can be contacted using the following methods:
 Web portal: <https://helpdesk.ecsu.edu> Phone (Mon-Fri 8-5): (252) 335-3532 In person ITC Bldg. Room 218.

DEPARTMENT OF UNIVERSITY STUDIES

DEPARTMENT OF UNIVERSITY STUDIES

The Department of University Studies is within the Division of Student Success and offers the First Year Experience Program, the Tutoring and Academic Success Center, and the General Education Program. The Department of University Studies assist students with their transition to academia through academic accountability, support, and opportunities.

THE FIRST-YEAR EXPERIENCE PROGRAM

As an integral part of the Department of University Studies, The **First Year Experience** program assists all students in their transition to the university. The First Year Experience is an intentional and dynamic program designed to promote student success, persistence, progression, and foster a sense of community.

While the First Year Experience begins at the New Student Orientation, first year students participate in the following First Year Experience components during your freshman year at Elizabeth City State University: First Year Advising, Freshman Seminar, Freshman Convocation and Pinning Ceremony, and Service Learning and Parent Outreach.

FIRST YEAR ACADEMIC ADVISING

The Academic Advising Program is a major component of University Studies. The purpose of the program is to enable students to achieve excellence in their educational and personal goals. Students entering the University as new freshmen are advised by a University Studies academic advisor, regardless of their major. Freshmen are transitioned to a faculty advisor in the academic department of their field of study during their second semester freshman year. University Studies advisors are responsible for assisting students in completing their general education requirements.

Specific responsibilities of the Academic Advising Program include the following: (1) providing individual guidance to students in the preparation of their course schedules and emphasizing the appropriate course selection in the sequence required by University Studies; (2) providing guidance in the selection of courses where there are available options; (3) maintaining accurate advising files and records of each freshman student in E4U; (4) following up on students in the testing program; and (5) assisting in the implementation of the Department's programs designed for the retention of students. All new advisors are required to attend an academic advising workshop prior to their first semester of advising students.

FRESHMAN SEMINAR

The First-Year Experience includes Freshman Seminars I and II, which are required courses for first time first year freshmen students. In both sections of Freshman Seminar, the course design and curriculum exposes students to the rich history and culture of the University and provide students with college essentials such as time management skills, test-taking strategies, academic rules and regulations, and a variety of other skills and activities designed to enhance the transition from high school to college. Freshman Seminar includes opportunities for students to participate in university events, Student Success seminars and workshops, peer mentoring, and Capstone and e-Portfolio projects.

FRESHMAN YEAR CONVOCATION AND PINNING CEREMONY

The Freshman Convocation and Pinning Ceremony is a university tradition for first time, first year students. The ceremony serves as a charge to freshman students to pursue academic excellence and timely degree completion.

SERVICE LEARNING

All freshman students have the opportunity to participate in service learning to reinforce the value

of serving the community and gain a deeper understanding of themselves. Through service, learning students enhance employability skills and prepare for other experiential learning opportunities. Students engage in an evaluative process for skills development.

THE TUTORIAL AND ACADEMIC SUCCESS PROGRAM

The Tutorial and Academic Success Program is a peer-tutorial program primarily designed as an academic support service. The program employs successful students as peer tutors based on their academic expertise and their understanding of the University Studies experience. The program works with individual students and with groups of students. The program works in conjunction with major departments.

The primary goal of the Tutorial and Academic Success Program is to meet students' academic needs. It provides academic support and a strong community base for ECSU students. The program is committed to promoting independent, active learning among the students it assists. Peer tutoring should have a direct and positive effect on improving the academic performance of students enrolled in GE courses, as well as promoting a strong community among students, peer tutors, and faculty.

GENERAL EDUCATION PROGRAM

The General Education Program is comprised of a group of coordinated and interrelated courses, which contain a body of knowledge designated as liberal arts. The University maintains that all students, regardless of academic major, must include in their individual curriculum specific general education courses designed to provide fundamental knowledge and skills and a broad cultural education.

The General Education Program is a component of the Department of University Studies within the Division of Student Success. The Department of University Studies assigns students to academic advisors and coordinates the scheduling of courses for all freshman and sophomore students who have not declared a major.

GOALS

The goals of the Department of University Studies are to assist all students in their transition to the University; to provide effective advisement to students; to offer strong programs of academic support in reading, writing, mathematics, and the natural sciences; and to work with other academic departments to ensure that students develop the fundamental skills and knowledge necessary for success in all academic majors.

The General Education Core Curriculum provides the academic foundation for all of the undergraduate degree programs at Elizabeth City State University. The core curriculum enables students to develop the general knowledge and the skills that are essential to success in their respective major programs and careers after graduation. In addition to providing the skills and knowledge that are essential to academic success, the General Education Core Curriculum is designed to promote positive human values and encourage an appreciation for learning in all students.

Since most major degree programs specify courses to be taken as part of the General Education Core Curriculum, students must review the curriculum of their intended majors and consult with assigned advisors in selected core classes. All students are expected to complete the General Education requirements during the freshman and sophomore years. After completing the required GE courses, students take electives and courses in their major fields.

THE GENERAL EDUCATION ADVISORY BOARD

The General Education Advisory Board (GEAB) functions as an advisory committee to the chair of the Department of University Studies. The primary purpose of the GEAB is to assist the chair in planning, implementing, communicating, and assessing general education programs and the curriculum. Proposed curriculum changes are advanced to the University Curriculum Committee.

The Board's membership includes faculty representatives from the degree granting programs and a representative from the following areas: Honors Program, Library, Institutional Effectiveness, Registrar's Office, and the Office of Retention.

FRESHMAN COURSE PLACEMENT

University Studies advisors evaluate first-time freshmen based on their SAT/ ACT test scores. Freshmen are automatically placed into ENGL 102 (unless dual enrollment, Early College credits have been determined).

Students are placed in the college level mathematics courses based on the math score on the SAT/ ACT.

Course Placement	SAT	ACT
MATH 114 MATH 115 MATH 121	Math Score of 470 or Below	Math Score of 17 or Below
MATH 118	Math Score of 480-520	Math Score of 18-20
MATH 165	Math Score of 530 or higher Score of 3 or higher on the AP Calculus AB Exam	Math Score of 21 or higher

COLLEGE LEARNING ASSESSMENT

All freshmen are required to take the College Learning Assessment (CLA) . The assessment will be administered to freshmen within the first eight weeks of their first semester. The assessment will be administered to seniors during the Fall or Spring semester.

Core Curriculum

General Education Core Curriculum 35 hours

Freshman Seminar I and II (2 hours)

UNIV 110 and UNIV 120, 1 credit each with some special sections designated for students with specifically declared majors; HON 194 (1) is required for Honors Program students.

UNIV 110	Freshman Seminar	1
UNIV 120	Freshman Seminar II	1
HON 194/195	Freshman Honors Colloquia	1 per course

*This course is waived for transfer students with 12 or more transfer hours.

English Composition (6 hours)

ENGL 102	Composition I	3
ENGL 103	Composition II	3
OR		
ENGL 104H	English Composition and Grammar Honors I	3
ENGL 105H	English Composition and Vocabulary Honors II	3

ENGL 102 and ENGL 103 are required of all students. Grade must be "C" or better.

ENGL 104H and ENGL 105H are required for Honors Program students. Grade must be "C" or better.

Humanities and Fine Arts (8 hours)

A. Choose two courses from the list below:

(1 course must be ENGL 201/H or ENGL 202/H)

ENGL 201	World Literature I	3
ENGL 202	World Literature II	3
ENGL 203H	World Literature Honors Seminar I	3
ENGL 204H	World Literature Honors Seminar II	3
CHIN 101	Introduction to Chinese I	3
CHIN 102	Introduction to Chinese II	3
COM 200	Interpersonal Communication	3
COM 201	Intercultural Communication	3
SPAN 101	Elementary Spanish	3
SPAN 102	Elementary Spanish	3
FREN 101	Elementary French	3
FREN 102	Elementary French	3
LATN 101	Introductory Latin	3
LATN 102	Introductory Latin II	3
HIND 101	Intro to Hindu I	3
HIND 102	Intro to Hindu II	3
SPCH 314	Public Speaking	3
PHIL 250	Introduction to Philosophy	3
PHIL 251	Social and Political Philosophy	3
PHIL 252	Critical Thinking and Logic	3

B. Choose one course from the list below:

ART 130	Art Appreciation	2
MUS 135	Introduction to Music Literature	2
MUS 135H	Introduction to Music Literature Honors	2

MUS 212	The African American in Music	2
THEA 221	Appreciation of Drama	2

Social and Behavioral Sciences (9 hours)**A. Choose one course from the list below:**

HIST 140	History of World Civilization, Prehistoric to 1500	3
HIST 140H	History of World Civilization, Prehistoric to 1500, Honors	3
HIST 141	History of World Civilization, 1500 to the Present	3
HIST 141H	History of World Civilization, 1500 to the Present, Honors	3

B. Choose two courses from the list below:

Choose 2 courses from the courses below. (Students may not choose 2 courses with HIST prefixes.)

GEOG 142	Introduction to Geography	3
HIST 250	African American History to 1877	3
HIST 251	African American History since 1877	3
HIST 255	American History to 1877	3
HIST 256	American History Since 1877	3
GEOG 201	World Geography	3
GEOG 204	Geography of the US and Canada	3
POLS 200	Introduction to Political Science	3
POLS 298	American National Government	3
POLS 299	State and Local Government	3
SOC 201	Introduction to Sociology	3
SOC 202	Social Problems	3
ECON 201	Principles of Economics I	3
ECON 202	Principles of Economics II	3
PSY 212	General Psychology	3
GLBS 200	Introduction to Global Studies	3
BFIN 210	Personal Financial Management	3

GLBS 200: This course is waived for transfer students with 12 or more transfer hours.

(Follow departmental recommendations.)

Natural Sciences and Mathematics (7-8 hours)**A. Choose one course from the list below:**

MATH 114	Math for Liberal Arts	3
MATH 115	College Algebra	3
MATH 118	Precalculus	3
MATH 165	Calculus of Single Variable I	4
MATH 121	Number Systems and Algebra	3
MATH 122	Geometry and Data Analysis	3

B. Choose one course and corresponding lab from the list below:

(BIOL 101 and GEOL 141 courses include the lab)

PHYS 152	Principles of Physical Science	3
PHYS 152H	Principles of Physical Science Honors	3
PHYS 152L	Principles of Physical Science Lab	1
BIOL 100	Principles of Biological Science	3
BIOL 100L	Principles of Biological Science Lab	1
BIOL 101	General Biology for Majors I	4
GEOL 158	Principles of Geological Science	3
GEOL 158L	Principles of Geological Science Lab	1
CHEM 101	General Chemistry I	3

CHEM 101L	General Chemistry I Lab	1
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
ENSC 101	General Environmental Science	3
ENSC 101L	General Environmental Science Laboratory	1
GEOL 140	Introduction to Earth Science	4
PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1
PHYS 191	University Physics I	3
PHYS 192	University Physics II	3

Health and Physical Education (3 hours)**A. Health Concepts**

HLTH 185	Health Concepts	2
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B. Choose one course from the list below:

PE 160	Basketball	1
PE 161	Dance (Elementary Modern)	1
PE 163	Golf	1
PE 164	Jogging	1
PE 168	Volleyball	1
PE 169	Weight-Training	1
PE 172	Badminton	1
PE 173	Swimming I	1
PE 174	Swimming II	1
PE 175	Intermediate Swimming	1
PE 180	Bowling	1
PE 183	Beginning Tennis	1
PE 184	Dance (Folk and Square)	1
PE 186	Exercise and Health-Related Fitness	1
PE 187	Intermediate Tennis	2
PE 191	Racquetball	1
PE 193	Modified Dance	1
PE 195	Outdoor Activities	1
PE 208	Step Aerobics	2
PE 209	Water Aerobics	2
PE 274	Fundamentals of Self Defense	1
PE 276	Taekwon-Do	1
PE 279	Pilates	1
PE 363	Group Games and Rhythms	1
MIS 101	Basic Military Science I	2
MUS 200	University Marching Band	0 or 1

DEPARTMENT OF MILITARY SCIENCE

DEPARTMENT OF MILITARY SCIENCE

The U.S. Army Reserve Officers' Training Corps (ROTC) Program offers college students the opportunity to earn a commission as an officer in the U.S. Army, the Army National Guard, or the U.S. Army Reserve while pursuing a college degree. This Program develops self-discipline, physical stamina, and personal bearing that contribute to success in any career. The first two years (Basic Course) of military training in ROTC are strictly voluntary for any student who is a United States citizen. An individual taking the Basic Course incurs absolutely no obligation to future military service. The Basic Course is normally completed during the freshman and sophomore years.

OBJECTIVES

The objectives of the ROTC Program are to:

- attract, motivate, and prepare selected students to serve as commissioned officers in the Regular Army, Army National Guard, and the U.S. Army Reserve;
- provide ROTC cadets with the basic concepts and principles of military art and science; and
- develop:
 - a. leadership, decision-making, problem-solving, and communication skills;
 - b. a strong sense of the Army values (loyalty, duty, respect, selfless service, honor, integrity, and personal courage); and
 - c. strong Commissioned Officers who are confident as well as competent.

PROGRAM DESCRIPTION

The ROTC program is based on a four-year curriculum integrated with the normal baccalaureate degree program. Flexibility is provided through a number of options and alternatives.

THE FOUR-YEAR PROGRAM

The Four-Year ROTC Program is divided into two parts: Basic Course and Advanced Course.

All freshmen and sophomores are encouraged to enroll in the Basic Course. The Basic Course is usually taken during the first two years of college. It covers such subjects as the Army organization, military customs and traditions, leadership development, basic military skills, and physical training. In addition, a variety of outside social and professional enrichment activities are available. All necessary ROTC textbooks, uniforms, and other essential materials for the Basic Course are furnished at no cost. After completion of the Basic Course, students who have demonstrated the potential to become Army officers and who have met the physical and scholastic standards are eligible to enroll in the Advanced Course.

The Advanced Course is usually taken during the final two years of college. It includes instruction in organization and management, tactics, ethics and professionalism, and further leadership development. All necessary textbooks and uniforms in the Advanced Course are also furnished to students.

ROTC cadets who have met all requirements are eligible to contract. Contracting means that a cadet has decided to support his or her country for a period of eight years. If selected for Active Duty, the term could be for all eight years or it could be a combination of Active Duty and Reserve time. For example, a commissioned cadet could serve three to four years on Active Duty and then elect to leave Active Duty and finish the remainder of the contract in the Reserves or National Guard. If not selected for Active Duty, then all eight years would be served in either the US Army Reserves or the State National Guard. The cadet is also required to perform an additional four years in the Inactive Ready Reserve, maintaining the cadet's information with no drill requirement.

Also available to students is the Simultaneous Membership Program (SMP). Cadets who qualify for SMP will be assigned to a National Guard or Reserve unit to train under a lieutenant or captain in the headquarters element. The SMP cadet will receive E-5 (Sergeant) monthly Drill Pay (approximately \$230)

and, once contracted, an additional monthly \$420 per month as a stipend from Army ROTC.

During the summer between their junior and senior years of college, Advanced Course cadets attend a paid five-week training session called Cadet Summer Training (CST). CST gives cadets the chance to demonstrate what they have learned in the classroom, and it introduces them to Army life "in the field."

THE TWO-YEAR CURRICULUM

A Two-Year Program is provided for those students who cannot complete the normal four-year program before graduation. The Two-Year Program is designed for graduate school students and students at 4-year colleges who did not take ROTC during their first two years of school.

To enter the Two-Year Program, students must first attend a paid summer training session called Basic Camp. Basic Camp is a 31-day training event designed to introduce Cadets to the Army. The objective is to develop Cadet leadership skills and train them on individual and junior leader tasks to develop and reinforce Warrior Ethos and Army Values. Basic Camp provides the critical thinking skills necessary to succeed in ROTC, and, ultimately, the Army. Basic Camp Cadets graduate the course prepared to lead at the team (3-4 Cadets) and squad (9-13 Cadets) level. This program is followed by enrollment in the Advanced Course to complete the ROTC Program.

Students may opt to enroll in the Advanced Course during their junior year and attend Basic Camp during the summer between their junior and senior years.

COMPRESSION AND ALTERNATE

The Basic Course may be compressed into a single year by simultaneous enrollment in Freshman and Sophomore ROTC classes. This option is available to sophomore students who did not enroll in ROTC during their freshman year. Students must receive prior approval from the Military Science Department Chair to exercise this option.

ARMY ROTC SCHOLARSHIPS FINANCIAL ASSISTANCE

Scholarship opportunities exist for a Two- or Three-year ROTC Scholarship or Guaranteed Reserve Forces Duty Scholarship (GFRD). Three-year

scholarships are open to freshmen and first semester sophomores. The Two-year ROTC and GRFD and Three-year ROTC Scholarships are awarded on a competitive basis. In some instances based upon the student's performance a scholarship can be increased, i.e., a three year becomes a four year. For more information on the scholarship process, please call the ECSU ROTC Scholarship, Enrollment and Recruiting Operations Officer at (252) 335-3917.

Each scholarship pays for either room and board or college tuition and required educational fees, and it provides a specified amount for textbooks, supplies, and equipment. Each scholarship recipient or contracted cadet will receive a subsistence of \$420 per month (cadets are actually paid every two weeks). Cadets who are in the advanced courses (juniors and seniors), who are not regular army scholarship cadets, can compete for Simultaneous Membership Program (SMP) slots in their unit and earn up to \$1,000 per month.

Students who have prior military service (have completed Basic Training) and are in the Reserves can earn a commission in two years if they meet the requirements.

Military Science, Minor

Program Design: Military Science

(Open To All Majors)

MIS 102	Basic Military Science II	2
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Required Classes:

A minor in Military Science and Leadership will consist of the following semester hours:

MIS 201	Applied Leadership and Management I	2
MIS 202	Applied Leadership and Management II	2
MIS 301	Leadership and Management I	3
MIS 302	Leadership and Management II	3
MIS 303	U.S. Military History	3
MIS 401	Advanced Leadership and Management I	3
MIS 402	Advanced Leadership and Management II	3

Residence Requirements:

19 Semester hours must be earned in residence. This minor will be available to all students that meet course requirements.

Each candidate must complete a course in written communications as part of the student's General

Education program requirement or academic discipline. The courses offered by the University which fulfill this requirement are:

Written Communication:

GE 100		
ENGL 102	Composition I	3
ENGL 103	Composition II	3
ENGL 317	Advanced Composition	3
ENGL 399	Introduction to Creative Writing	3
ENGL 401	Technical Writing	3

*The Basic Course is offered, as an elective, to all students enrolled in the university. Enrollment in these courses does not incur an obligation of military service. Basic Course requirements may be waived by the Professor of Military Science for veterans or other persons with prior military training.

PRECOMMISSIONING ASSESSMENT SYSTEM - PRECONTRACTING PHASE

Entry Criteria

Assessment Element	Standard
CITIZENSHIP	U.S. Citizen Selected Alien Students
AGE	Under 27 At Time of Commissioning unless Prior Service
CHARACTER	No Record of Disciplinary Problems or Civil Conviction
STANDARD MEDICAL EXAM	Army Regulation 40-501
ARMY PHYSICAL FITNESS TEST (APFT)	180(60/60/60)
STRUCTURED INTERVIEW	Acceptable Ratings on At Least 7 of 12 Leadership Dimensions
ACADEMIC STANDING GRADE POINT AVERAGE	Full-time Student 2.5 on 4.0 Scale
BASIC COURSE PERFORMANCE	2.5 GPA on 4.0 Scale
CADET INITIAL ENTRY TRAINING CAMP (CIET) BASIC CAMP	Student Potential Index 100 = Average 110 = Strong

PERFORMANCE (Two-Year Program) Performance 90 = Whole Person Evaluation

OVERALL LEADERSHIP POTENTIAL Results of All Other Elements Professor of Military Science Judgment and Evaluation

PRECOMMISSIONING ASSESSMENT SYSTEM - PRECOMMISSIONING PHASE

Exit Criteria

Assessment Element	Standard
CUMULATIVE GRADE POINT AVERAGE	2.0 on 4.0 Scale
ADVANCED COURSE PERFORMANCE	2.0 GPA minimum in each class Field Training Exercises Leadership Lab Performance Interaction with Cadets
CADET SUMMER TRAINING COURSE (CST)	Pass CST with a minimum of an overall Capable rating and Satisfactory in the categories below. Land Navigation Written Exams & Tests Marksmanship Events Troop Leading Procedure Events Creative & Critical Thinking Challenges Peer Evaluation
OVERALL LEADERSHIP POTENTIAL	Results of All Other Elements Professor of Military Science Evaluation

SCHOOL OF EDUCATION AND BUSINESS

The School of Education and Business houses the following departments:

- Department of Business, Accounting and Sports Management
- Dr. Helen Marshall Caldwell Department of Education

DEPARTMENT OF BUSINESS, ACCOUNTING AND SPORTS MANAGEMENT

The Department of Business, Accounting and Sports Management develops students into business professionals, engages in relevant research, and serves its stakeholders, particularly those in Northeast North Carolina.

We prepare students for success in life and in their chosen careers. The Department provides a full spectrum of post-secondary business education courses with high academic and professional standards. Our graduates are prepared for careers in a technologically oriented and competitive global environment.

For students seeking degrees outside the Department of Business & Economics, business courses that count toward graduation must comprise less than 25% (30 semester hours) of the coursework required for the undergraduate degree received.

ADMISSION PROCESS

Purpose

The purpose of the admission process is to ensure that only students who are prepared to be business administration or accounting majors are admitted to those majors. Admission to Elizabeth City State University, while obviously required, does not constitute admission to the Department of Business & Economics.

General Process

Students enrolled at Elizabeth City State University or transferring from other institutions may be considered for admission to the Department of Business & Economics. Students will complete an "intent to major" form in business as the first step and will be assigned a business department faculty advisor. **To be eligible for admission to the Department, however, students must satisfy the following admission requirements:**

- completion of a minimum of 45 semester hours at ECSU or at a regionally accredited college or university;
- cumulative GPA of 2.0 or better on a 4.0 scale. (Transfer credits of students from other institutions must have a grade of "C" or better); and
- completion of the following courses or equivalent courses with a minimum grade "C" in each:
 - GE 115 College Algebra
 - ACCT 210 Financial Accounting
 - BUAD 190 Management Information Systems I
 - BUAD 115 Introduction to Business
 - ECON 201 Principles of Economics I (Macroeconomics)

Upon completion of the above courses, students must submit an application for official admission to the Department. Students not accepted may retake courses to meet eligibility requirements and reapply.

Once admitted to the Department, the student's progress will be monitored and subject to the Department's retention process.

CURRICULUM

The Department of Business, Accounting and Sports Management offers the following Accounting and Business Administration degree:

- Bachelor of Science in Accounting
- Bachelor of Science in Business Administration. (Requires a concentration in one of the following three concentrations: Economics and Finance, Management and Entrepreneurship, or Marketing and Data Analysis).

The Department also offers a minor in Business Administration and a minor in Entrepreneurship for students who are pursuing majors in other departments. Individuals may also pursue a certificate in Entrepreneurship.

In addition to residential offerings at the Elizabeth City campus, the Department participates in the University's Distance Learning Program.

MISSION STATEMENT

The Department of Business, Accounting and Sports Management develops students into business professionals engages in relevant research, and serves its stakeholders, particularly those in Northeastern North Carolina.

RETENTION PROCESS

Purpose

The purpose of the retention process is to ensure timely completion of the business administration and accounting degree programs through early intervention in meeting academic eligibility and graduation requirements. This process applies only to those students who are admitted to the Department and is separate from the University's "academic eligibility standards" in the ECSU catalog. Students admitted to the Department are those who meet the requirements established in the Department's Admission Process.

General Process

In order to graduate with a degree in Accounting or Business Administration, students are allowed no more than two "Ds" in courses offered in the Department of Business & Economics. Furthermore, they must maintain a cumulative GPA of at least 2.0 on a 4.0 scale. In addition, the grade for all courses serving as a prerequisite for another course must be "C" or better:

- **WARNING:** The semester in which a business student's cumulative GPA in the major courses falls below the minimum requirement of 2.0 will result in the issuance of a "Warning" letter from the Department. Students under warning must retake courses in which they earned a grade below "C", and the student will be allowed to enroll in no more than 12 semester hours of both business and non-business courses.

- **PROBATION:** A student who fails to meet the minimum cumulative GPA in the major courses the semester after the warning will be placed on probation. Students placed on probation will be required to meet with their academic advisor for counseling. The advisor will direct the students to tutorial and developmental student services to help them improve their academic performance. Students on probation will be required to sign in with tutors for at least two hours each week in order to document time-on-task.

While on probation, students will not be allowed to take additional business courses but will be limited to retaking business courses in which they earned a grade below "C". However, they may take general education and non-business elective courses to attempt to improve their overall GPA.

NOTE: Repeating courses is subject to the limitations specified in the University's catalog "Repeating of Courses Policy." A student may "repeat a given course only twice." In addition, a student "may repeat a maximum of 15 semester hours during the matriculation toward a degree."

Accounting

The Accounting program offers students the opportunity to pursue degrees in Accounting. The use of technology as a teaching and learning tool is highly emphasized and is incorporated in most courses. Critical thinking and ethical values are also emphasized. Students are encouraged to participate in student organizations to help build teamwork and leadership skills. They are also encouraged to engage in an internship to gain work experience and an understanding of how the business world operates.

The primary objectives of the program are for graduates to be able to:

- Prepare and analyze financial statements;
- Demonstrate entry-level technical competence in financial accounting, cost/managerial accounting and auditing;
- Apply principles of the US Tax System to real life cases;
- Describe the principles related to the design, integrity and effectiveness of accounting information systems; and

- Apply critical thinking skills to business decisions.

The B.S. Degree in Accounting provides basic preparation for careers in public accounting; corporate finance and accounting; and government and not-for-profit accounting. Students interested in meeting the 150-hour requirement for CPA certification should contact their advisor before the end of the freshman year to devise a strategy. The Accounting degree is an excellent degree for many career goals and is in demand because of the analytical skills that it develops. Accounting is one of the fastest growing professions, and graduates with good GPAs have numerous career choices and opportunities in business and government. It is also excellent preparation for continued study for graduate degrees such as the Master of Business Administration (MBA), Master of Accountancy (MA), and Juris Doctor (law).

Accounting, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for the major.

SPCH 314	Public Speaking	3
ECON 201	Principles of Economics I	3
ECON 202	Principles of Economics II	3
MATH 115	College Algebra	3
	OR	
MATH 118	Precalculus	3
	OR	
MATH 153	Applied Calculus	3

B. Major Requirements (57 hours)

1. Core Courses (54 hours)

ACCT 321	Intermediate Accounting I	3
ACCT 322	Intermediate Accounting II	3
ACCT 323	Intermediate Accounting III	3
ACCT 335	Federal Income Taxation	3
ACCT 421	Cost Accounting	3
ACCT 425	Financial Auditing	3
ACCT 431	Advanced Financial Accounting	3
ACCT 440	Accounting Information Systems	3
BUAD 115	Introduction to Business	3
ACCT 210	Financial Accounting	3
ACCT 220	Managerial Accounting	3
BFIN 311	Principles of Finance	3
BUAD 240	Ethics	3
BUAD 241	Business Law	3
BMIS 380	Management Information Systems II	3
ECON 260	Business/Economics Statistics I	3
BUAD 360	Quantitative Methods for Business and Economics	3
	OR	
MNGT 421	Operations Management	3

BUAD 190	Management Information Systems	3
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2. Core Electives (3 hours)

Please select 3 credits from the courses below.

ACCT 435	Entities Taxation	3
ACCT 451	Government and Not-For-Profit Accounting	3
ACCT 460	Forensic Accounting	3

C. Related Area Requirements (18 hours)

MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BUAD 200	Business Communication	3
BUAD 455	Strategic Management	3
BUAD 456	International Business	3
	OR	
ECON 455	International Economics	3
BUAD 490	Internship I	3

BUAD 455 requires Senior Standing

E. Free Electives (10 hours)

Subtotal: 120

B.S. Degree in Accounting Curriculum Guide

Freshman Year

First Semester

ENGL 102	Composition I	3
MATH 115	College Algebra	3
	OR	
MATH 118	Precalculus	3
	OR	
MATH 153	Applied Calculus	3
	OR	
MATH 165	Calculus of Single Variable I	4
UNIV 110	Freshman Seminar	1
	World Civilization Elective	3
BUAD 115	Introduction to Business	3
HLTH 185	Health Concepts	2
	Subtotal: 15	

Second Semester

UNIV 120	Freshman Seminar II	1
ENGL 103	Composition II	3
ECON 201	Principles of Economics I	3
	Science Elective with Lab	4
	Physical Education Elective	1
BUAD 190	Management Information Systems	3
	Subtotal: 15	

Sophomore Year

First Semester

GE	Literature & Language	3
SPCH 314	Public Speaking	3
BUAD 200	Business Communication	3
ECON 202	Principles of Economics II	3
ACCT 210	Financial Accounting	3
	Subtotal: 15	

Second Semester

	Fine Arts Elective I	2
ECON 260	Business/Economics Statistics I	3
ACCT 220	Managerial Accounting	3
ACCT 321	Intermediate Accounting I	3
BUAD 241	Business Law	3

Free Elective 1	1
Subtotal: 15	

Junior Year

First Semester

ACCT 322	Intermediate Accounting II	3
BFIN 311	Principles of Finance	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BUAD 360	Quantitative Methods for Business and Economics	3
	OR	
MNGT 421	Operations Management	3
		Subtotal: 15

Second Semester

ACCT 323	Intermediate Accounting III	3
ACCT 335	Federal Income Taxation	3
ACCT 421	Cost Accounting	3
BUAD 240	Ethics	3
	Free Elective 2	3
		Subtotal: 15

Senior Year

First Semester

	Accounting Major Elective*	3
ACCT 431	Advanced Financial Accounting	3
BMIS 380	Management Information Systems II	3
BUAD 490	Internship I	3
BUAD 456	International Business	3
	OR	
ECON 455	International Economics	3
	OR	
BFIN 455	International Financial Management	3
		Subtotal: 15

Second Semester

	Free Elective 3	3
ACCT 425	Financial Auditing	3
ACCT 440	Accounting Information Systems	3
BUAD 455	Strategic Management	3
	Free Elective 4	3
		Subtotal: 15

Subtotal: 120

Business Administration

The Business Administration program offers students the Bachelor of Science in Business Administration degree (BSBA). In addition to the general education courses, Business Administration majors take their own business core subjects which help them gain general business knowledge. All Business Administration majors must select an area of concentration: Management and Entrepreneurship, Marketing and Data Analysis, or Economics and Finance. The department also offers a Minor in Business Administration and a minor in Entrepreneurship to students who are pursuing majors in other schools.

The BSBA degree provides basic professional preparation for careers in business, government, and non-profit organizations, with specific focus on administration. The curriculum is designed to help students

- develop the ability to evaluate and make business decisions against changing competitive, economic, legal, political, social/cultural, and technological environments;
- familiarize themselves with the dynamics of the internal organization and operations of business firms;
- develop skills in identifying problems, issues, and strengths, weaknesses, opportunities, and threats confronting business firms;
- acquire tools, methods, and techniques for analyzing and solving business problems and opportunities; and
- gain the ability to develop and implement strategies.

The major objectives of the program are to help students succeed at each of the following:

- Applying critical thinking skills to business decisions
- Recognizing ethical dilemmas in business and professional environments and demonstrating social responsibility
- Applying and using fundamental principles from the core knowledge base of Business Administration specific to the areas of accounting, economics, finance, information systems, international business, legal and social environment, management, marketing and qualitative business analysis
- Communicating effectively in both written and oral form

DEGREE PROGRAM

The Department of Business and Economics offers a Bachelor of Science in Business Administration. Students earn this degree in one of the following concentrations. Additional concentrations may be selected by a student in consultation with his or her advisor.

Concentration in Management and Entrepreneurship

The concentration in Management and Entrepreneurship prepares students for all facets of running a business, whether it be their own startup, an inherited family business, or a company created and owned by others. Students experience key elements of managing human resources, preparing business plans and determining how to attain and deploy resources for maximal effect. This concentration helps students use their creativity to recognize opportunity, evaluate and develop products or services to create value and wealth in the process.

Concentration in Marketing and Data Analysis

Marketing and Data Analysis are naturally related in the current age of technology. Successful companies are not only customer-driven, but are customer-obsessed. Successes come about by developing sound marketing strategies and functions that provide superior value to customers. Companies seek to use technology to tap into markets that are yet untapped as well as target their products to the specific needs and interests of current customers. They do so using data collected from point of purchase transactions, from customer surveys and interactions both face to face and on the web, and from demographic sources. Successful companies collect, store and use this data to find ways to add value for customers. This concentration connects MIS and Marketing through the link of E-Commerce, teaching students about business intelligence and analytics, consumer behavior, sales management and managing the marketing process.

Concentration in Economics and Finance

The Bachelor of Science in Business Administration with a concentration in Economics and Finance provides basic preparation for careers in banking, government, corporate finance, private entities, and investment banking. Inclusive in the program objectives is the preparation for graduate study in Business Administration, Economics, Finance, and related academic areas. Students with this concentration are on their way to being prepared for the Chartered Financial Analyst exam.

Minor in Business Administration

The Department also offers a minor in Business Administration to students pursuing other degrees at ECSU.

Minor in Entrepreneurship

For those pursuing degrees in programs other than Business Administration and Accounting, the Department also offers a minor in Entrepreneurship to help prepare students to open their own businesses.

Certificate in Entrepreneurship

The Department offers a Certificate in Entrepreneurship that is available for individuals seeking a degree at the university as well as for community members. The Certificate in Entrepreneurship is intended to prepare those without a Business Administration or Accounting degree to open and sustain an entrepreneurial venture.

Business Administration - Concentration in Economics and Finance, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education Courses are required for the major.

ECON 201	Principles of Economics I	3
ECON 202	Principles of Economics II	3
SPCH 314	Public Speaking	3
MATH 115	College Algebra	3
	or	
MATH 118	Precalculus	3
	or	
MATH 153	Applied Calculus	3
	or	
MATH 165	Calculus of Single Variable I	4

B. Major Requirements (57 hours)

1. Core Courses (45 hours)

BUAD 115	Introduction to Business	3
ACCT 210	Financial Accounting	3
ACCT 220	Managerial Accounting	3
BUAD 200	Business Communication	3
BUAD 240	Ethics	3
BUAD 241	Business Law	3
ECON 260	Business/Economics Statistics I	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BFIN 311	Principles of Finance	3
BUAD 360	Quantitative Methods for Business and Economics	3
BMIS 380	Management Information Systems II	3
BUAD 455	Strategic Management	3
BUAD 490	Internship I	3
BUAD 190	Management Information Systems	3

2. Core Elective (3 hours)

Select one course from each of the pairings of courses below

BUAD 456	International Business	3
	OR	
BFIN 455	International Financial Management	3

	OR		
ECON 455	International Economics	3	

C. Related Area Requirements (3 hours)

PSY 212	General Psychology	3	
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D. Concentration Requirements (24 hours)

1. Concentration Core (12 hours)

ECON 470	Microeconomic Analysis	3	
ECON 480	Macroeconomics Analysis	3	
BFIN 320	Financial Management	3	
BFIN 350	Investments	3	

2. Concentration Electives (12 hours)

Select only 4 courses from the list of courses below

ECON 376	Public Finance	3	
BFIN 415	Financial Management Policy and Strategy	3	
BFIN 420	Portfolio Construction and Management	3	
ECON 325	Current Economic Problems	3	
BFIN 425	Commercial Bank Management	3	
ECON 318	Money, Credit, and Banking	3	
BFIN 210	Personal Financial Management	3	
BUAD 365	Business Research and Report Writing	3	
BFIN 450	Financial Risk Management	3	
ECON 261	Business/Economics Statistics II	3	
ECON 360	Econometrics	3	
ECON 435	Economic Development	3	

E. Free Electives (10 hours)

Subtotal: 120

B.S. Degree in Business Administration Suggested Curriculum Guide for Concentration in Economics and Finance

Freshman Year

First Semester

ENGL 102	Composition I	3	
UNIV 110	Freshman Seminar	1	
BUAD 115	Introduction to Business	3	
HLTH 185	Health Concepts	2	
HIST 140	History of World Civilization, Prehistoric to 1500	3	
	OR		
HIST 141	History of World Civilization, 1500 to the Present	3	
MATH 115	College Algebra	3	
	OR		
MATH 118	Precalculus	3	
	OR		
MATH 153	Applied Calculus	3	
	OR		
MATH 165	Calculus of Single Variable I	4	
			Subtotal: 15

Second Semester

ENGL 103	Composition II	3	
	Natural Science	3	
	Natural Science Lab	1	
	Physical Education Activity	1	
ECON 201	Principles of Economics I	3	
UNIV 120	Freshman Seminar II	1	

BUAD 190	Management Information Systems	3	
			Subtotal: 15

Sophomore Year

First Semester

ACCT 210	Financial Accounting	3	
BUAD 200	Business Communication	3	
SPCH 314	Public Speaking	3	
ECON 202	Principles of Economics II	3	
ENGL 201	World Literature I	3	
	OR		
ENGL 202	World Literature II	3	
			Subtotal: 15

Second Semester

ACCT 220	Managerial Accounting	3	
PSY 212	General Psychology	3	
BUAD 241	Business Law	3	
ECON 260	Business/Economics Statistics I	3	
	Fine Arts Elective 1	2	
	Free Elective 1	1	
			Subtotal: 15

Junior Year

First Semester

MRKT 231	Principles of Marketing	3	
BFIN 311	Principles of Finance	3	
BMIS 380	Management Information Systems II	3	
MNGT 221	Principles of Management	3	
	Concentration Elective 1	1	
			Subtotal: 15

Second Semester

BUAD 360	Quantitative Methods for Business and Economics	3	
BUAD 240	Ethics	3	
BFIN 320	Financial Management	3	
ECON 470	Microeconomic Analysis	3	
	Free Elective	3	
			Subtotal: 15

Senior Year

First Semester

BUAD 490	Internship I	3	
BFIN 350	Investments	3	
ECON 480	Macroeconomics Analysis	3	
ECON 455	International Economics	3	
	OR		
BUAD 456	International Business	3	
	OR		
BFIN 455	International Financial Management	3	
	Free Elective	3	
			Subtotal: 15

Second Semester

BUAD 455	Strategic Management	3	
	Concentration Elective 1	1	
	Concentration Elective 1	1	
	Concentration Elective 1	1	
	Free Elective	3	
			Subtotal: 15

Subtotal: 120

Business Administration - Concentration in Management and Entrepreneurship, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for the major.

ECON 201	Principles of Economics I	3
ECON 202	Principles of Economics II	3
SPCH 314	Public Speaking	3
MATH 115	College Algebra	3
	or	
MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4

B. Major Requirements (48 hours)

1. Core Course (45 hours)

BUAD 115	Introduction to Business	3
ACCT 210	Financial Accounting	3
ACCT 220	Managerial Accounting	3
BFIN 311	Principles of Finance	3
BMIS 380	Management Information Systems II	3
BUAD 200	Business Communication	3
BUAD 240	Ethics	3
BUAD 241	Business Law	3
BUAD 360	Quantitative Methods for Business and Economics	3
BUAD 490	Internship I	3
BUAD 455	Strategic Management	3
ECON 260	Business/Economics Statistics I	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BUAD 190	Management Information Systems	3

2. Core Electives (3 hours)

Select one course from each of the pairings of courses below

BUAD 456	International Business	3
	or	
ECON 455	International Economics	3
	or	
BFIN 455	International Financial Management	3

C. Related Area Requirement (3 hours)

PSY 212	General Psychology	3
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D. Concentration Requirements (24 hours)

1. Concentration Core (12 hours)

MNGT 421	Operations Management	3
BUAD 322	Entrepreneurship	3
MNGT 322	Organizational Behavior	3
MNGT 345	Leadership and Teamwork	3

2. Concentration Electives (12 hours)

MRKT 333	Sales	3
MNGT 425		
BUAD 425	Franchising	3
BUAD 426	Supply Chain Management	3
MNGT 398	Special Topics in Management	3

MNGT 321	Human Resource Management	3
BFIN 315	Entrepreneurial Finance	3
BFIN 210	Personal Financial Management	3
BUAD 423	E-Commerce	3
BUAD 365	Business Research and Report Writing	3
	OR	
MRKT 365	Marketing Research	3

E. Free Electives (10 hours)

Subtotal: 120

B.S. Degree in Business Administration Suggested Curriculum Guide for Concentration in Management and Entrepreneurship

Freshman Year

First Semester

UNIV 110	Freshman Seminar	1
	Fine Arts Elective	2
MATH 115	College Algebra	3
	or	
MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4
ENGL 102	Composition I	3
HIST 140	History of World Civilization, Prehistoric to 1500	3
	or	
HIST 141	History of World Civilization, 1500 to the Present	3
BUAD 115	Introduction to Business	3
		Subtotal: 15

Second Semester

UNIV 120	Freshman Seminar II	1
ENGL 103	Composition II	3
	Natural Science	3
	Natural Science Lab	1
	Physical Education Elective	1
ECON 201	Principles of Economics I	3
BUAD 190	Management Information Systems	3
		Subtotal: 15

Sophomore Year

First Semester

ENGL 201	World Literature I	3
	or	
ENGL 202	World Literature II	3
SPCH 314	Public Speaking	3
ECON 202	Principles of Economics II	3
HLTH 185	Health Concepts	2
BUAD 200	Business Communication	3
	Free Elective 1	1
		Subtotal: 15

Second Semester

MNGT 221	Principles of Management	3
BUAD 241	Business Law	3
ACCT 210	Financial Accounting	3
ECON 260	Business/Economics Statistics I	3
MRKT 231	Principles of Marketing	3
		Subtotal: 15

Junior Year

First Semester

BFIN 311	Principles of Finance	3
BMIS 380	Management Information Systems II	3
ACCT 220	Managerial Accounting	3
PSY 212	General Psychology	3
	Concentration Elective 1	1
		Subtotal: 15

Second Semester

BUAD 360	Quantitative Methods for Business and Economics	3
BUAD 240	Ethics	3
BUAD 322	Entrepreneurship	3
MNGT 322	Organizational Behavior	3
	Free Elective I	3
		Subtotal: 15

Senior Year

First Semester

	Concentration Course - 3	3
BUAD 490	Internship I	3
	Concentration Course - 3	3
MNGT 421	Operations Management	3
	Free Elective II	3
		Subtotal: 15

Second Semester

BUAD 455	Strategic Management	3
MNGT 345	Leadership and Teamwork	3
	Concentration Course - 3	3
BUAD 456	International Business	3
	OR	
ECON 455	International Economics	3
	OR	
BFIN 455	International Financial Management	3
	Free Elective III	3
		Subtotal: 15

Subtotal: 120

Business Administration - Concentration in Marketing and MIS, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for the major.

ECON 201	Principles of Economics I	3
ECON 202	Principles of Economics II	3
SPCH 314	Public Speaking	3
MATH 115	College Algebra	3
	or	
MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4

B. Major Requirements (48 hours)

1. Core Courses (45 hours)

BUAD 115	Introduction to Business	3
ACCT 210	Financial Accounting	3
ACCT 220	Managerial Accounting	3

BFIN 311	Principles of Finance	3
BUAD 200	Business Communication	3
BUAD 240	Ethics	3
BMIS 380	Management Information Systems II	3
BUAD 241	Business Law	3
BUAD 360	Quantitative Methods for Business and Economics	3
BUAD 455	Strategic Management	3
BUAD 490	Internship I	3
ECON 260	Business/Economics Statistics I	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BUAD 190	Management Information Systems	3

2. Core Electives (3 hours)

Select one course from each of the pairings of courses below

BUAD 456	International Business	3
	or	
ECON 455	International Economics	3
	or	
BFIN 455	International Financial Management	3

C. Related Area Requirements (3 hours)

PSY 212	General Psychology	3
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D. Concentration Requirements (24 hours)

1. Concentration Core (12 hours)

MRKT 332	Consumer Behavior	3
MRKT 432	Marketing Management	3
BMIS 386	Business Systems Analysis and Design	3
BMIS 489	Project Management	3

2. Concentration Electives (12 hours)

Please select 6 credits from below (at least 3 credits from BMIS/BUAD and 3 credits from MRKT).

BMIS 475	Database Design and Management	3
BMIS 425	IT and Cyber Security Management	3
BUAD 341	Management Concepts for Project Managers	1
BUAD 342	Technical Writing for Project Managers	1
BUAD 343	Experiential Learning in Project Management	1
BMIS 398	Special Topics in Management Information Systems	3
BUAD 423	E-Commerce	3
MRKT 333	Sales	3
MRKT 331	Advertising and Promotion	3
MRKT 398	Special Topics in Marketing	3
MRKT 431	Retailing	3
BMIS 485	Business Intelligence and Analytics	3
MRKT 365	Marketing Research	3

E. Free Electives (10 hours)

Subtotal: 120

B. S. Degree in Business Administration Suggested Curriculum Guide for Concentration in Marketing and MIS

Freshman Year

First Semester

UNIV 110	Freshman Seminar	1
HLTH 185	Health Concepts	2
ENGL 102	Composition I	3
BUAD 115	Introduction to Business	3
HIST 140	History of World Civilization, Prehistoric to 1500	3
	OR	
HIST 141	History of World Civilization, 1500 to the Present	3
MATH 115	College Algebra	3
	OR	
MATH 118	Precalculus	3
	OR	
MATH 165	Calculus of Single Variable I	4

Subtotal: 15

Second Semester

UNIV 120	Freshman Seminar II	1
ENGL 103	Composition II	3
	Natural Science	3
	Natural Science Lab	1
	Physical Education Elective	1
ECON 201	Principles of Economics I	3
BUAD 190	Management Information Systems	3

Subtotal: 15

Sophomore Year

First Semester

ACCT 210	Financial Accounting	3
BUAD 200	Business Communication	3
ENGL 201	World Literature I	3
	OR	
ENGL 202	World Literature II	3
SPCH 314	Public Speaking	3
ECON 202	Principles of Economics II	3

Subtotal: 15

Second Semester

ACCT 220	Managerial Accounting	3
BUAD 241	Business Law	3
PSY 212	General Psychology	3
ECON 260	Business/Economics Statistics I	3
	Free Elective I	1
	Fine Arts Elective	2

Subtotal: 15

Junior Year

First Semester

MRKT 231	Principles of Marketing	3
BMIS 380	Management Information Systems II	3
BFIN 311	Principles of Finance	3
MNGT 221	Principles of Management	3
	Free Elective I	3

Subtotal: 15

Second Semester

BUAD 360	Quantitative Methods for Business and Economics	3
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BUAD 240	Ethics	3
MRKT 332	Consumer Behavior	3
	Concentration Course - 3	3
	Concentration Course - 3	3

Subtotal: 15

Senior Year

First Semester

BUAD 490	Internship I	3
BMIS 489	Project Management	3
MRKT 432	Marketing Management	3
	Free Elective II	3
BUAD 456	International Business	3
	OR	
ECON 455	International Economics	3
	OR	
BFIN 455	International Financial Management	3

Subtotal: 15

Second Semester

BUAD 455	Strategic Management	3
MRKT 365	Marketing Research	3
	Concentration Course - 3	3
	Concentration Course - 3	3
	Free Elective III	3

Subtotal: 15

Subtotal: 120

Business Administration, Minor

Only students majoring in disciplines outside the Department of Business and Economics may earn a Minor in Business Administration.

Curriculum

The required courses are:

BUAD 115	Introduction to Business	3
ACCT 210	Financial Accounting	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BUAD 241	Business Law	3

TWO 300-400	Level Business Courses	6
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Subtotal: 21

ECON 201 and ECON 202 must be taken as part of the General Education Requirements.

Entrepreneurship, Minor

Only students majoring in disciplines outside the Department of Business and Economics may earn a Minor in Entrepreneurship.

Curriculum

The required courses are:

BUAD 115	Introduction to Business	3
ACCT 101	Accounting for Non-business Majors	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3

BUAD 241	Business Law	3
BUAD 322	Entrepreneurship	3
One of the following		
BFIN 315	Entrepreneurial Finance	3
MNGT 321	Human Resource Management	3
MNGT 421	Operations Management	3
BUAD 426	Supply Chain Management	3
		Subtotal: 21

ECON 201 and ECON 202 must be taken as part of the General Education Requirements.

Entrepreneurship, Certificate Program

Only students majoring in disciplines outside the Department of Business and Economics may earn a Certificate in Entrepreneurship.

Curriculum

The required courses are:

BUAD 115	Introduction to Business	3
ACCT 101	Accounting for Non-business Majors	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BUAD 241	Business Law	3
BUAD 322	Entrepreneurship	3
BFIN 311	Principles of Finance	3
ECON 202	Principles of Economics II	3
		Subtotal: 21

DR. HELEN MARSHALL CALDWELL DEPARTMENT OF EDUCATION

Established in 1891 for the "specific purpose of teaching and training teachers of the colored race" Elizabeth City State University's Dr. Helen Marshall Caldwell Department of Education continues a rich heritage of producing teachers to serve northeastern North Carolina. The Dr. Helen Marshall Caldwell Department of Education maintains its reputation for excellence and addresses the ever-changing needs of its many constituencies. Candidates enter our program as consumers of knowledge, but they leave prepared to begin careers as professionals and/or to pursue graduate education, and to meet the demands of the 21st Century. The Dr. Helen Marshall Caldwell Department of Education remains committed through its undergraduate, graduate, and distance-learning programs to continue the heritage of serving northeastern North Carolina, maintain the highest standards in accordance with its accrediting bodies, and become a beacon of the Northeast that improves outcomes in P-12 Education.

Education Programs

Faculty and staff who teach in the education are committed to the mission of preparing competent practitioners who facilitate learning. The conceptual framework, 21st Century Professional Educator, is woven throughout coursework, research, and experiences so that candidates meet standards for high quality teaching and leadership in the 21st Century. The Department offers innovative specialty areas that are designed to prepare candidates who are global competitors, advocates for diversity, effective communicators and collaborators, critical thinkers and innovators, and educational technology users and healthy and responsible citizens who are capable of meeting the diverse needs of all learners. Candidates participate in a professional core with their specialty area preparation where they benefit from classroom instruction, field experiences, and student teaching that reflects current thinking and research.

The Education program offers programs leading to licensure and a Bachelor of Science in Education in the following areas:

- Birth through Kindergarten (B-K)
- Elementary Education (K-6)
- Special Education (K-12)

Candidates majoring in Elementary Education are required to select an academic concentration from the list below:

Approved Academic Concentration Options:

General Science
 Mathematics
 Psychology
 Social Sciences

Special Education

Overview

The Dr. Helen Marshall Caldwell Department of Education offers a program leading to the Bachelor of Science with a major in Special Education: General Curriculum K-12, and initial North Carolina Licensure in Special Education: General Curriculum. This rigorous program of study is designed to provide the opportunities and experiences the candidates need to be effective teachers of students with disabilities, in diverse settings. Special emphasis is placed on the

needs of culturally and linguistically diverse learners. Candidates are assisted to make the transition from theory to practice through the integration of carefully selected field experiences and classroom activities and assignments.

Program Goals

The goals of the Special Education Program are to:

1. provide an instructional program that incorporates technologies and reflects research-validated practices in special education and teacher preparation in general, in order to enhance the learning and the delivery of services to students with disabilities and their families;
2. ensure that all candidates become effective facilitators, critical thinkers, advocates of diversity, reflective practitioners, proficient technology users and competent evaluators; and
3. comply with guidelines, standards, competencies, policies, etc., established by the Council for the Accreditation of Educator Preparation (CAEP) and the North Carolina Department of Public Instruction (NCDPI)

Licensure-Only Requirements (48 hours)

Required Courses

Courses

EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 360	Teaching and Assessment	3
BKED 202	Child Growth and Development I: Infants and Toddlers	3
BKED 203	Child Growth and Development II: Preschool and Kindergarten	3
BKED 325	Infant and Toddler Curriculum and Development	3
BKED 335	Communication and Collaboration in Schools and Communities	3
BKED 330	Educational Assessment of Infants, Toddlers & Preschools	3
BKED 420	Preschool Curriculum	3
BKED 454	Inclusive Preschool Environments	3
BKED 470	Kindergarten Curriculum and Standards	3
EDUC 478	Seminar in Contemporary Educational Issues	P/F
BKED 490	Student Teaching	12

Subtotal: 48

Candidates seeking an add-on license, please see the program coordinator for an individualized plan.

Special Education - Concentration in Community Agencies, Policy and Enterprise, B.S.

Curriculum

A. General Education Requirements (35 hours)

ECON 201	Principles of Economics I	3
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B. Major Requirements (31 hours)

1. Core Courses (28 hours)

SPED 302	Assessing and Teaching Beginning Reading	4
SPED 334	Assessment in Special Education	3
SPED 370	Introduction to Positive Behavior Support	3
SPED 400	Methods of Assessing & Teaching Writing to Diverse Learners	2
SPED 432	Assessing & Teaching Mathematics to Diverse Learners	4
SPED 450	Implementing Positive Behavior Support	3
SPED 460	Methods of Management & Organization	2
SPED 466	Advocacy & Collaboration	4
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3

2. Core Electives (3 hours)

ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
SPED 390/ELEM 390	Social Studies Methods in the Inclusive Classroom	3
ELEM 395	Science Methods in the Inclusive Classroom	3

C. Related Area Requirements (30 hours)

EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 225	Exploration in Mathematics	3
EDUC 250	Introduction to Reading	3
BUAD 115	Introduction to Business	3
BUAD 190	Management Information Systems	3
BUAD 322	Entrepreneurship	3
ACCT 210	Financial Accounting	3
PSY 212	General Psychology	3
PSY 250	Developmental Psychology	3

D. Concentration Requirements (12 hours)

BKED 454	Inclusive Preschool Environments	3
BKED 465	Community Agencies and Resources	3
BKED 340	Early Childhood Intervention	3
BKED 475	Autism Spectrum & Related Behavior Disorders	3

E. Free Electives (12 hours)

Subtotal: 120

Curriculum Guide for Special Education Majors with Concentration in Community Agencies, Policy and Enterprise

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
HLTH 185	Health Concepts	2
	Natural Sciences and Mathematics - B	4
	Natural Sciences and Mathematics - A	3
	Humanities and Fine Arts C	2
	Subtotal: 15	

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences A	3
	Social & Behavior Sciences B (1)	3
	Humanities and Fine Arts A	3
EDUC 211		
	Subtotal: 16	

Sophomore Year

First Semester

EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 203	Introduction to Computer Instructional Technology	3
ECON 202	Principles of Economics II	3
PSY 212	General Psychology	3
ENGL 201	World Literature I	3
	or	
ENGL 202	World Literature II	3
	Subtotal: 15	

Second Semester

EDUC 225	Exploration in Mathematics	3
EDUC 250	Introduction to Reading	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
PSY 250	Developmental Psychology	3
	Free Elective	3
	Physical Education Activity	1
	Subtotal: 16	

Junior Year

First Semester

SPED 302	Assessing and Teaching Beginning Reading	4
SPED 334	Assessment in Special Education	3
SPED 370	Introduction to Positive Behavior Support	3
EDUC 360	Teaching and Assessment	3
	Free Elective	3
	Subtotal: 16	

Second Semester

EDUC 350	Teaching Intermediate & Content Reading	3
SPED 390/ELEM 390	Social Studies Methods in the Inclusive Classroom	3
	or	

ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
	or	
ELEM 395	Science Methods in the Inclusive Classroom	3
SPED 432	Assessing & Teaching Mathematics to Diverse Learners	4
SPED 450	Implementing Positive Behavior Support	3
	Subtotal: 16	

Senior Year

First Semester

SPED 400	Methods of Assessing & Teaching Writing to Diverse Learners	2
SPED 460	Methods of Management & Organization	2
SPED 466	Advocacy & Collaboration	4
	Free Elective	3
	Free Elective	3
	Subtotal: 14	

Second Semester

EDUC 473	Observation and Supervised Teaching in Special Education/General Curriculum (K-12)	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
	Subtotal: 12	

Subtotal: 120

Special Education - Concentration in Teacher Education, B.S.

Curriculum

A. General Education courses (35 hours)

B. Core Requirements (31hours)

1. Core courses (28 hours)

SPED 302	Assessing and Teaching Beginning Reading	4
SPED 334	Assessment in Special Education	3
SPED 370	Introduction to Positive Behavior Support	3
SPED 400	Methods of Assessing & Teaching Writing to Diverse Learners	2
SPED 432	Assessing & Teaching Mathematics to Diverse Learners	4
SPED 450	Implementing Positive Behavior Support	3
SPED 460	Methods of Management & Organization	2
SPED 466	Advocacy & Collaboration	4
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3

2. Core electives (3 hours)

ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
	or	
SPED 390/ELEM 390	Social Studies Methods in the Inclusive Classroom	3

ELEM 395	Science Methods in the Inclusive Classroom	3
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C. Related Area Requirements (27 hours)

EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 220	Sophomore Seminar	3
EDUC 225	Exploration in Mathematics	3
EDUC 250	Introduction to Reading	3
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC 360	Teaching and Assessment	3
EDUC 478	Seminar in Contemporary Educational Issues	P/F
PSY 212	General Psychology	3
PSY 250	Developmental Psychology	3

D. Concentration Requirements (12 hours)

EDUC 473	Observation and Supervised Teaching in Special Education/General Curriculum (K-12)	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F

E. Free Electives (15 hours)

Subtotal: 120

Curriculum Guide for Special Education Majors with Concentration in Teacher Education

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
HLTH 185	Health Concepts	2
	Natural Science	3
	Natural Science Lab	1
MATH	Math Elective I	3
	Fine Arts Elective	2
		Subtotal: 15

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences A	3
	Humanities and Fine Arts A	3
EDUC 220	Sophomore Seminar	3
HIST 140	History of World Civilization, Prehistoric to 1500	3
	OR	
HIST 141	History of World Civilization, 1500 to the Present	3
		Subtotal: 16

Sophomore Year

First Semester

EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 203	Introduction to Computer Instructional Technology	3
	Social & Behavior Sciences B (1)	3
PSY 212	General Psychology	3
ENGL 201	World Literature I	3

ENGL 202	OR World Literature II	3
		Subtotal: 15

Second Semester

EDUC 225	Exploration in Mathematics	3
EDUC 250	Introduction to Reading	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
PSY 250	Developmental Psychology	3
	Physical Education Activity	1
	Free Elective I	3
		Subtotal: 16

Junior Year

First Semester

SPED 302	Assessing and Teaching Beginning Reading	4
SPED 334	Assessment in Special Education	3
SPED 370	Introduction to Positive Behavior Support	3
EDUC 360	Teaching and Assessment	3
	Free Elective II	3
		Subtotal: 16

Second Semester

EDUC 350	Teaching Intermediate & Content Reading	3
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
	OR	
ELEM 395	Science Methods in the Inclusive Classroom	3
SPED 432	Assessing & Teaching Mathematics to Diverse Learners	4
SPED 450	Implementing Positive Behavior Support	3
	Free Elective III	3
		Subtotal: 16

Senior Year

First Semester

SPED 400	Methods of Assessing & Teaching Writing to Diverse Learners	2
SPED 460	Methods of Management & Organization	2
SPED 466	Advocacy & Collaboration	4
	Free Elective IV	3
	Free Elective V	3
		Subtotal: 14

Second Semester

EDUC 473	Observation and Supervised Teaching in Special Education/General Curriculum (K-12)	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
		Subtotal: 12

Birth through Kindergarten

OVERVIEW

The Birth through Kindergarten program prepares graduates to work with children and families in a variety of settings. Candidates in this program observe and work with infants, toddlers, preschool, and kindergarten children in public and private settings. Graduates of the Birth through Kindergarten program are prepared for employment in Head Start programs, private child care programs, public schools, and other child-centered agencies or businesses. The program offers teaching (Teacher Education) and non-teaching (Child, Family, and Community) concentrations. Successful completion of the Teacher Education concentration will qualify students to apply to the State of North Carolina for an initial teacher license in Birth through Kindergarten education.

PROGRAM GOALS AND OBJECTIVES

- Candidates will acquire knowledge of the cognitive, physical, cultural, social, and emotional needs of young children and their families.
- Candidates will demonstrate a comprehensive understanding of the development and implementation of instructional programs for young children.
- Candidates will demonstrate the ability to collaborate with students, families, and school and community personnel in designing and implementing programs for young children.
- Candidates will demonstrate professionalism in their interactions with faculty and school personnel and, as a part of their preparation program, engage in professional activities.

Birth through Kindergarten (BK): Teacher Education Concentration, B.S.Ed.

Curriculum

A. General Education Requirements (35 credit hours)

B. Major Requirements (34 credit hours)

Core Courses - 31 credit hours

BKED 201	Introduction to Birth-Kindergarten	1
BKED 202	Child Growth and Development I: Infants and Toddlers	3
BKED 203	Child Growth and Development II: Preschool and Kindergarten	3
BKED 305	Early Childhood Literacy Development	3

BKED 325	Infant and Toddler Curriculum and Development	3
BKED 330	Educational Assessment of Infants, Toddlers & Preschools	3
BKED 335	Communication and Collaboration in Schools and Communities	3
BKED 420	Preschool Curriculum	3
EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3

Core Electives - 3 credit hours

BKED 460	Issues and Trends in Early Childhood Education	3
	OR	
BKED 475	Autism Spectrum & Related Behavior Disorders	3

C. Related Area Requirements (15 credit hours)

HLTH 367	First Aid, CPR and Safety	3
HLTH 369	Principles of Nutrition	3
BFIN 210	Personal Financial Management	3
	OR	
ECON 201	Principles of Economics I	3
EDUC 250	Introduction to Reading	3
SPED 370	Introduction to Positive Behavior Support	3

D. Concentration Requirements (27 credit hours)

Concentration Core Courses - 24 credit hours

EDUC 220	Sophomore Seminar	3
EDUC 360	Teaching and Assessment	3
BKED 454	Inclusive Preschool Environments	3
BKED 470	Kindergarten Curriculum and Standards	3
BKED 490	Student Teaching	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F

Concentration Electives - 3 credit hours

Select one of the courses below.

ELEM 300	Reading & Language Arts	3
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
ELEM 395	Science Methods in the Inclusive Classroom	3

E. Free Electives (9 credit hours)

Subtotal: 120

Curriculum Guide for Majors in Birth Through Kindergarten (BK): Teacher Education Concentration

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
	Natural Sciences and Mathematics - B	4
	Natural Sciences and Mathematics - A	3
	Physical Education Activity	1

	Social & Behavior Sciences A	3
	Subtotal:	15
Second Semester		
ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
HLTH 185	Health Concepts	2
	Social Behavioral Science	3
	Free Elective	3
	Humanities and Fine Arts C	2
	Humanities and Fine Arts A	3
	Subtotal:	17

Sophomore Year

First Semester

EDUC 220	Sophomore Seminar	3
EDUC 210	Professional Studies I: Introduction to Education	3
ENGL 201	World Literature I OR	3
ENGL 202	World Literature II	3
EDUC 203	Introduction to Computer Instructional Technology	3
BKED 201	Introduction to Birth-Kindergarten	1
BKED 202	Child Growth and Development I: Infants and Toddlers	3
	Subtotal:	16

Second Semester

BFIN 210	Personal Financial Management OR	3
ECON 201	Principles of Economics I	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 250	Introduction to Reading	3
BKED 203	Child Growth and Development II: Preschool and Kindergarten Social Behavioral Science	3
	Subtotal:	15

Junior Year

First Semester

BKED 305	Early Childhood Literacy Development	3
BKED 325	Infant and Toddler Curriculum and Development	3
BKED 330	Educational Assessment of Infants, Toddlers & Preschools	3
HLTH 367	First Aid, CPR and Safety Free Elective	3
	Subtotal:	15

Second Semester

	Free Elective	3
EDUC 360	Teaching and Assessment	3
BKED 335	Communication and Collaboration in Schools and Communities	3
SPED 370	Introduction to Positive Behavior Support	3
HLTH 369	Principles of Nutrition	3
	Subtotal:	15

Senior Year

First Semester

BKED 420	Preschool Curriculum	3
BKED 454	Inclusive Preschool Environments	3

BKED 470	Kindergarten Curriculum and Standards	3
BKED 460	Issues and Trends in Early Childhood Education OR	3
BKED 475	Autism Spectrum & Related Behavior Disorders	3
ELEM 300	Reading & Language Arts OR	3
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom OR	3
ELEM 395	Science Methods in the Inclusive Classroom	3
	Subtotal:	15

Second Semester

BKED 490	Student Teaching	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
	Subtotal:	12

Subtotal: 120

Licensure-Only Requirements (48 hours)

Required Courses

EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 360	Teaching and Assessment	3
BKED 202	Child Growth and Development I: Infants and Toddlers	3
BKED 203	Child Growth and Development II: Preschool and Kindergarten	3
BKED 325	Infant and Toddler Curriculum and Development	3
BKED 335	Communication and Collaboration in Schools and Communities	3
BKED 330	Educational Assessment of Infants, Toddlers & Preschools	3
BKED 420	Preschool Curriculum	3
BKED 454	Inclusive Preschool Environments	3
BKED 470	Kindergarten Curriculum and Standards	3
EDUC 478	Seminar in Contemporary Educational Issues	P/F
BKED 490	Student Teaching	12

Lateral Entry Requirements (36 hours)

Required Courses

EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 360	Teaching and Assessment	3
BKED 202	Child Growth and Development I: Infants and Toddlers	3
BKED 203	Child Growth and Development II: Preschool and Kindergarten	3

BKED 325	Infant and Toddler Curriculum and Development	3
BKED 330	Educational Assessment of Infants, Toddlers & Preschools	3
BKED 335	Communication and Collaboration in Schools and Communities	3
BKED 420	Preschool Curriculum	3
BKED 454	Inclusive Preschool Environments	3
BKED 470	Kindergarten Curriculum and Standards	3

For those candidates seeking an add-on license, please see the program coordinator for an individualized plan.

Birth through Kindergarten (BK): Child, Family, and Community Concentration, B.S.Ed.

Curriculum

A. General Education Requirements (35 credit hours)

B. Major Requirements (34 credit hours)

Core Courses - 31 credit hours

BKED 201	Introduction to Birth-Kindergarten	1
BKED 202	Child Growth and Development I: Infants and Toddlers	3
BKED 203	Child Growth and Development II: Preschool and Kindergarten	3
BKED 305	Early Childhood Literacy Development	3
BKED 325	Infant and Toddler Curriculum and Development	3
BKED 330	Educational Assessment of Infants, Toddlers & Preschools	3
BKED 335	Communication and Collaboration in Schools and Communities	3
BKED 420	Preschool Curriculum	3
EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3

Core Electives - 3 credit hours

BKED 460	Issues and Trends in Early Childhood Education	3
BKED 475	Autism Spectrum & Related Behavior Disorders	3

C. Related Area Requirements (15 credit hours)

HLTH 367	First Aid, CPR and Safety	3
HLTH 369	Principles of Nutrition	3
BFIN 210	Personal Financial Management	3
ECON 201	Principles of Economics I	3
EDUC 250	Introduction to Reading	3
SPED 370	Introduction to Positive Behavior Support	3

D. Concentration (24 credit hours)

BKED 340	Early Childhood Intervention	3
BKED 345	Exploration of Early Childhood Settings	3
BKED 455	Administration of Early Childhood Programs	3
BKED 465	Community Agencies and Resources	3
BKED 491	Internship in Early Childhood	6
BKED 492	Internship in Community Agency	6

E. Free Electives (12 credit hours)

Subtotal: 120

Curriculum Guide for Majors in Birth through Kindergarten (BK) with Concentration in Child, Family, and Community

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
HIST 140	History of World Civilization, Prehistoric to 1500	3
	OR	
HIST 141	History of World Civilization, 1500 to the Present	3
GE	Physical Education Activity	1
GE	Natural Science/Lab	4
GE	Natural Science/Math	3
	Subtotal: 15	

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
HLTH 185	Health Concepts	2
	Social Behavioral Science	3
	Free Elective	3
	Humanities and Fine Arts A	3
	Subtotal: 15	

Sophomore Year

First Semester

	Fine Arts Elective	2
EDUC 210	Professional Studies I: Introduction to Education	3
ENGL 201	World Literature I	3
	OR	
ENGL 202	World Literature II	3
EDUC 203	Introduction to Computer Instructional Technology	3
BKED 201	Introduction to Birth-Kindergarten	1
BKED 202	Child Growth and Development I: Infants and Toddlers	3
	Subtotal: 15	

Second Semester

BFIN 210	Personal Financial Management	3
	OR	
ECON 201	Principles of Economics I	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 250	Introduction to Reading	3
BKED 203	Child Growth and Development II: Preschool and Kindergarten	3

Social Behavioral Science	3
Subtotal:	15

Junior Year

First Semester

BKED 305	Early Childhood Literacy Development	3
BKED 325	Infant and Toddler Curriculum and Development	3
BKED 330	Educational Assessment of Infants, Toddlers & Preschools	3
HLTH 367	First Aid, CPR and Safety	3
SPED 370	Introduction to Positive Behavior Support	3
Subtotal:		15

Second Semester

BKED 335	Free Elective Communication and Collaboration in Schools and Communities	3 3
BKED 340	Early Childhood Intervention	3
BKED 345	Exploration of Early Childhood Settings	3
HLTH 369	Principles of Nutrition	3
Subtotal:		15

Senior Year

First Semester

BKED 420	Preschool Curriculum	3
BKED 455	Administration of Early Childhood Programs	3
BKED 460	Issues and Trends in Early Childhood Education OR	3
BKED 475	Autism Spectrum & Related Behavior Disorders	3
BKED 491	Internship in Early Childhood	6
Subtotal:		15

Second Semester

BKED 465	Community Agencies and Resources Free Elective Free Elective	3 3 3
BKED 492	Internship in Community Agency	6
Subtotal:		15

Subtotal: 120

Elementary Education K-6

OVERVIEW

The Elementary Education Program offers professional education courses for students desiring to major in Elementary Education. This program prepares them to teach Kindergarten through sixth grade. The program bridges theory, course work, and practice through courses and carefully selected field experiences. A minimum of 120 semester hours is required to complete the program, and majors are required to select and complete an academic concentration. After successfully completing the

program, completing an electronic portfolio, and meeting the required Pearson Testing scores, candidates will be eligible to apply for a North Carolina Elementary Education (K-6) teaching license.

PROGRAM GOALS

The goals of the Elementary Education Program are:

- to prepare elementary teacher candidates to develop and implement meaningful instructional plans that meet the needs of diverse 21st Century learners;
- to assist candidates to develop the in-depth content knowledge needed to become effective teachers;
- to prepare candidates to utilize student data to inform instructional decision-making.

OBJECTIVES

The Program in Elementary Education is designed to ensure that:

- elementary grades teacher candidates have the knowledge and understanding of language and how language is used to develop effective communication in listening, speaking, viewing, reading, thinking, and writing;
- elementary grades teacher candidates have the knowledge and understanding of mathematical conventions and processes; skills relative to number sense, numeration, numerical operations, and algebraic thinking; spatial sense, measurement, and geometry; patterns, relationships, and functions; and data analysis, probability, and statistics;
- elementary grades teacher candidates have the knowledge and understanding of scientific inquiry, process skills, and concepts and applications relative to the life, physical, and earth sciences in order to be informed and productive citizens;
- elementary grades teacher candidates have the necessary knowledge for producing knowledgeable, global citizens who are critical thinkers in a democratic society;
- elementary grades teacher candidates have the knowledge and understanding of mental, emotional, physical, and social health to empower students to make healthy lifestyle choices;
- elementary grades teacher candidates integrate the arts throughout the curriculum.

Elementary Education K-6, B.S.Ed.

Curriculum

A. General Education Core (35 hours)

Requirements List

MATH 121	Number Systems and Algebra	3
	or	
MATH 122	Geometry and Data Analysis	3
PSY 212	General Psychology	3

B. Major Requirement (42 hours)

EDUC 210	Professional Studies I: Introduction to Education	3
ELEM 300	Reading & Language Arts	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC 360	Teaching and Assessment	3
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
ELEM 395	Science Methods in the Inclusive Classroom	3
ELEM 430	Mathematics Methods in the Inclusive Classroom	3
EDUC 410	Professional Studies IV: Instructional Leadership and Methods	3
EDUC 433	Observation and Supervised Teaching in Elementary Education (K-6)	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
EDUC 279	Multicultural Education	3

C. Related Area Requirements (15 hours)

EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 220	Sophomore Seminar	3
EDUC 225	Exploration in Mathematics	3
EDUC 250	Introduction to Reading	3
SPED 370	Introduction to Positive Behavior Support	3

D. Concentration Requirements

Choose from one of the following Concentrations

Psychology Concentration (17 hours)

PSY 250	Developmental Psychology	3
PSY 301	Statistics and Research Design	4
PSY 311	Psychological Tests and Measurement	3
PSY 351	Experimental Psychology	4
PSY 450	Learning and Cognition	3

Mathematics Concentration (18 hours)

MATH 115	College Algebra	3
MATH 118	Precalculus	3
MATH 122	Geometry and Data Analysis	3
MATH 350	Number Theory	3
MATH 352	College Geometry	3
STAT 251	Basic Statistics	3

General Science Concentration (19 hours)

BIOL 100	Principles of Biological Science	3
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BIOL 100L	Principles of Biological Science Lab	1
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
ENSC 101	General Environmental Science	3
ENSC 101L	General Environmental Science Laboratory	1

GEOL 158	Principles of Geological Science	3
GEOL 158L	Principles of Geological Science Lab	1

Social Science Concentration (18 hours)

HIST 200	Introduction to History	3
HIST 251	African American History since 1877	3
HIST 255	American History to 1877	3
ECON 201	Principles of Economics I	3
GEOG 142	Introduction to Geography	3
HIST 376	African-American Experience in North Carolina	3
	or	
POLS 299	State and Local Government	3

E. Free Electives

Free Electives for Psychology Concentration (11 hours)

Free Electives for General Science Concentration (9 hours)

Free Electives for Mathematics Concentration (10 hours)

Free Electives for Social Science Concentration (10 hours)

Subtotal: 120

Curriculum Guide for Majors in Elementary Education K-6

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
HIST 140	History of World Civilization, Prehistoric to 1500	3

PHYS 152	Principles of Physical Science	3
PHYS 152L	Principles of Physical Science Lab	1
	OR	

GEOL 158	Principles of Geological Science	3
GEOL 158L	Principles of Geological Science Lab	1

MATH 121	Number Systems and Algebra	3
GE	Fine Arts/Communication	2
GE	Physical Education	1

Subtotal: 17

Second Semester

ENGL 103	Composition II	3
MATH 122	Geometry and Data Analysis	3
HIST 141	History of World Civilization, 1500 to the Present	3

EDUC 210	Professional Studies I: Introduction to Education	3
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SPCH 214	College Speech	2
HLTH 185	Health Concepts	2

Subtotal: 16

Sophomore Year

First Semester

ENGL 201	World Literature I	3
BIOL 100	Principles of Biological Science	3
BIOL 100L	Principles of Biological Science Lab	1
EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 225	Exploration in Mathematics	3
EDUC 211A		
		Subtotal: 14

Second Semester

EDUC 250	Introduction to Reading	3
SPAN 101	Elementary Spanish	3
PE	Student Select	1
PSY 212	General Psychology	3
GEOG 142	Introduction to Geography	3
	Academic Concentration	3
		Subtotal: 16

Junior Year

First Semester

ELEM 300	Reading & Language Arts	3
ELEM 301		
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 311		
EDUC 360	Teaching and Assessment	3
	*Academic Concentration	6
		Subtotal: 17

Second Semester

EDUC 350	Teaching Intermediate & Content Reading	3
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
ELEM 395	Science Methods in the Inclusive Classroom	3
SPED 370	Introduction to Positive Behavior Support	3
	Academic Concentration	3
		Subtotal: 17

Senior Year

First Semester

EDUC 410	Professional Studies IV: Instructional Leadership and Methods	3
ELEM 430	Mathematics Methods in the Inclusive Classroom	3
	Academic Concentration	6
		Subtotal: 16

Second Semester

EDUC 433	Observation and Supervised Teaching in Elementary Education (K-6)	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
		Subtotal: 12

Note: Total of at least 18 semester hours required for Academic Concentration.

Subtotal: 120

Curriculum Guide for Elementary Education K-6

Math Concentration

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
MATH 121	Number Systems and Algebra	3
HIST 140	History of World Civilization, Prehistoric to 1500	3
	OR	
HIST 141	History of World Civilization, 1500 to the Present	3
HLTH 185	Health Concepts	2
	Humanities and Fine Arts B	3
		Subtotal: 15

Note: Students must take HIST 140 OR HIST 141- not both

Second Semester

ENGL 103	Composition II	3
MATH 122	Geometry and Data Analysis	3
UNIV 120	Freshman Seminar II	1
PSY 212	General Psychology	3
GE	Social & Behavioral Science	3
	Humanities and Fine Arts C	2
		Subtotal: 15

Sophomore Year

First Semester

MATH 115	College Algebra	3
ENGL 201	World Literature I	3
	OR	
ENGL 202	World Literature II	3
EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 220	Sophomore Seminar	3
GE	Physical Education	1
		Subtotal: 16

Note: Students take ENGL 201 OR ENGL 202

Second Semester

EDUC 225	Exploration in Mathematics	3
EDUC 250	Introduction to Reading	3
MATH 118	Precalculus	3
GE	Natural Science/Lab	4
	Free Elective	3
		Subtotal: 16

Junior Year

First Semester

EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 350	Teaching Intermediate & Content Reading	3
ELEM 300	Reading & Language Arts	3
MATH 350	Number Theory	3
MATH	Math Elective 2	3
		Subtotal: 15

Second Semester

EDUC 360	Teaching and Assessment	3
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
ELEM 395	Science Methods in the Inclusive Classroom	3
SPED 370	Introduction to Positive Behavior Support	3
STAT 251	Basic Statistics	3
		Subtotal: 15

Subtotal: 16

Senior Year**First Semester**

EDUC 410	Professional Studies IV: Instructional Leadership and Methods	3
ELEM 430	Mathematics Methods in the Inclusive Classroom	3
MATH 352	College Geometry	3
	Free Elective 1	1
	Free Elective 3	3
		Subtotal: 16

Second Semester

EDUC 433	Observation and Supervised Teaching in Elementary Education (K-6)	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
		Subtotal: 12

Note: Total of at least 18 semester hours required for Academic Concentration.

Subtotal: 120

Curriculum Guide for Elementary Education K-6 Science Concentration

Freshman Year**First Semester**

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
HIST 140	History of World Civilization, Prehistoric to 1500	3
PHYS 152	Principles of Physical Science	3
PHYS 152L	Principles of Physical Science Lab	1
	OR	
GEOL 158	Principles of Geological Science	3
GEOL 158L	Principles of Geological Science Lab	1
MATH 121	Number Systems and Algebra	3
GE	Fine Arts/Communication	2
GE	Physical Education	1
		Subtotal: 17

Second Semester

ENGL 103	Composition II	3
MATH 122	Geometry and Data Analysis	3
HIST 141	History of World Civilization, 1500 to the Present	3
EDUC 210	Professional Studies I: Introduction to Education	3
SPCH 214	College Speech	2
HLTH 185	Health Concepts	2

Sophomore Year**First Semester**

ENGL 201	World Literature I	3
BIOL 100	Principles of Biological Science	3
BIOL 100L	Principles of Biological Science Lab	1
EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 225	Exploration in Mathematics	3
		Subtotal: 14

Second Semester

EDUC 250	Introduction to Reading	3
SPAN 101	Elementary Spanish	3
PE	Student Select	1
PSY 212	General Psychology	3
GEOG 142	Introduction to Geography	3
	Academic Concentration	3
		Subtotal: 16

Junior Year**First Semester**

ELEM 300	Reading & Language Arts	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 360	Teaching and Assessment	3
	*Academic Concentration	6
		Subtotal: 15

Second Semester

EDUC 350	Teaching Intermediate & Content Reading	3
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
ELEM 395	Science Methods in the Inclusive Classroom	3
ELEM 300	Reading & Language Arts	3
PSY 311	Psychological Tests and Measurement	3
		Subtotal: 15

Senior Year**First Semester**

EDUC 410	Professional Studies IV: Instructional Leadership and Methods	3
ELEM 430	Mathematics Methods in the Inclusive Classroom	3
	Academic Concentration	6
		Subtotal: 12

Second Semester

EDUC 433	Observation and Supervised Teaching in Elementary Education (K-6)	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
		Subtotal: 12

Note: Total of at least 18 semester hours required for Academic Concentration.

Subtotal: 120

**Curriculum Guide for Elementary Education K-6
Psychology Concentration**

Freshman Year

First Semester

ENGL 102	Composition I	3
HIST 140	History of World Civilization, Prehistoric to 1500 OR	3
HIST 141	History of World Civilization, 1500 to the Present	3
MATH 121	Number Systems and Algebra OR	3
MATH 122	Geometry and Data Analysis	3
UNIV 110	Freshman Seminar	1
	Humanities and Fine Arts B	3
	Fine Arts Elective	2
		Subtotal: 15

Second Semester

ENGL 103	Composition II	3
	Natural Science	3
	Natural Science Lab	1
PE	Elective	1
PSY 212	General Psychology	3
	Social Behavioral Science	3
UNIV 120	Freshman Seminar II	1
		Subtotal: 15

Sophomore Year

First Semester

EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 220	Sophomore Seminar	3
ENGL 201	World Literature I OR	3
ENGL 202	World Literature II	3
PSY 250	Developmental Psychology	3
		Subtotal: 17

Second Semester

EDUC 225	Exploration in Mathematics	3
EDUC 250	Introduction to Reading	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
HLTH 185	Health Concepts	2
PSY 301	Statistics and Research Design	4
		Subtotal: 15

Junior Year

First Semester

EDUC 350	Teaching Intermediate & Content Reading	3
ELEM 300	Reading & Language Arts	3
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
ELEM 395	Science Methods in the Inclusive Classroom	3
PSY 311	Psychological Tests and Measurement	3
		Subtotal: 15

Second Semester

EDUC 360	Teaching and Assessment	3
PSY 351	Experimental Psychology	4
SPED 370	Introduction to Positive Behavior Support	3
	Free Elective I	3
	Free Elective II	3
		Subtotal: 16

Senior Year

First Semester

EDUC 410	Professional Studies IV: Instructional Leadership and Methods	3
ELEM 430	Mathematics Methods in the Inclusive Classroom	3
PSY 450	Learning and Cognition	3
	Free Elective 3	3
		Subtotal: 15

Second Semester

EDUC 433	Observation and Supervised Teaching in Elementary Education (K-6)	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
		Subtotal: 12

Note: Total of at least 18 semester hours required for Academic Concentration.

Subtotal: 120

**Curriculum Guide for Elementary Education K-6
Social Science Concentration**

Freshman Year

First Semester

ENGL 102	Composition I	3
HIST 140	History of World Civilization, Prehistoric to 1500 OR	3
HIST 141	History of World Civilization, 1500 to the Present	3
HLTH 185	Health Concepts	2
	Humanities and Fine Arts B	3
MATH 121	Number Systems and Algebra OR	3
MATH 122	Geometry and Data Analysis	3
UNIV 110	Freshman Seminar	1
		Subtotal: 15

Second Semester

ENGL 103	Composition II	3
	Fine Arts Elective	2
GEOG 142	Introduction to Geography	3
PSY 212	General Psychology	3
	Social & Behavior Science Elective	3
UNIV 120	Freshman Seminar II	1
		Subtotal: 15

Sophomore Year

First Semester

EDUC 203	Introduction to Computer Instructional Technology	3
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EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 220	Sophomore Seminar	3
ENGL 201	World Literature I	3
	OR	
ENGL 202	World Literature II	3
	Free Elective I	3
PE	Elective	1
	Subtotal:	16

Second Semester

EDUC 225	Exploration in Mathematics	3
EDUC 250	Introduction to Reading	3
HIST 200	Introduction to History	3
	Free Elective 2	3
GE	Natural Science/Lab	4
	Subtotal:	16

Junior Year

First Semester

ECON 201	Principles of Economics I	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 350	Teaching Intermediate & Content Reading	3
ELEM 300	Reading & Language Arts	3
HIST 251	African American History since 1877	3
	Free Elective 1	1
	Subtotal:	16

Second Semester

EDUC 360	Teaching and Assessment	3
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
ELEM 395	Science Methods in the Inclusive Classroom	3
HIST 376	African-American Experience in North Carolina	3
	OR	
POLS 299	State and Local Government	3
SPED 370	Introduction to Positive Behavior Support	3
	Subtotal:	15

Senior Year

First Semester

EDUC 410	Professional Studies IV: Instructional Leadership and Methods	3
ELEM 430	Mathematics Methods in the Inclusive Classroom	3
HIST 255	American History to 1877	3
	Free Elective 4	3
	Subtotal:	15

Second Semester

EDUC 433	Observation and Supervised Teaching in Elementary Education (K-6)	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
	Subtotal:	12

Note: Total of at least 18 semester hours required for Academic Concentration.

Subtotal: 120

Licensure-Only Elementary Education K-6

Transcript will be required for review.

A. Specialty Area Course Requirements (12 hours)

SPED 370	Introduction to Positive Behavior Support	3
EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 250	Introduction to Reading	3
KIN 216	Elementary Physical Education	3

B. Professional Core Courses (42 hours)

EDUC 210	Professional Studies I: Introduction to Education	3
ELEM 300	Reading & Language Arts	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC 360	Teaching and Assessment	3
EDUC 410	Professional Studies IV: Instructional Leadership and Methods	3
EDUC 433	Observation and Supervised Teaching in Elementary Education (K-6)	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
ELEM 395	Science Methods in the Inclusive Classroom	3
ELEM 430	Mathematics Methods in the Inclusive Classroom	3

Subtotal: 58

Residency License/Licensure-Only, Elementary Education K-6 Curriculum Guide

A. Professional Core Courses (27 hours)

EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC 360	Teaching and Assessment	3
EDUC 410	Professional Studies IV: Instructional Leadership and Methods	3
ELEM 300	Reading & Language Arts	3
ELEM 390/SPED 390	Social Studies Methods in the Inclusive Classroom	3
ELEM 395	Science Methods in the Inclusive Classroom	3
ELEM 430	Mathematics Methods in the Inclusive Classroom	3

B. Specialty Area Course Requirements (12 hours)

EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 250	Introduction to Reading	3
KIN 216	Elementary Physical Education	3
EDUC 225	Exploration in Mathematics	3

Subtotal: 45

Professional Education Sequence Minor in Secondary Education

A Core Requirement (27 hours)

EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 360	Teaching and Assessment	3
EDUC	Prof. St. IV: Secondary Methods	3
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC	Observation and Supervised Student Teaching in the Academic Discipline	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F

Subtotal: 29

Elementary Education - Non-Teaching Concentration

Curriculum

A. General Education Requirements (35 hours)

MATH 121	Number Systems and Algebra	3
MATH 122	Geometry and Data Analysis	3
PSY 212	General Psychology	3

B. Major Requirements (28)

EDUC 210	Professional Studies I: Introduction to Education	3
ELEM 300	Reading & Language Arts	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 279	Multicultural Education	3
BKED 305	Early Childhood Literacy Development	3
BKED 335	Communication and Collaboration in Schools and Communities	3
BKED 475	Autism Spectrum & Related Behavior Disorders	3
SPED 302	Assessing and Teaching Beginning Reading	4
BKED 330	Educational Assessment of Infants, Toddlers & Preschools	3

C. Related Area Requirements (30 hours)

EDUC 225	Exploration in Mathematics	3
EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 250	Introduction to Reading	3
EDUC 220	Sophomore Seminar	3
SPED 370	Introduction to Positive Behavior Support	3
ACCT 210	Financial Accounting	3

PSY 250	Developmental Psychology	3
BUAD 115	Introduction to Business	3
MNGT 221	Principles of Management	3
ENGL 319	Children's Literature	3

D. Concentration Requirements (18 hours)

HIST 200	Introduction to History	3
HIST 251	African American History since 1877	3
HIST 255	American History to 1877	3
ECON 201	Principles of Economics I	3
HIST 376	African-American Experience in North Carolina	3
GEOG 142	Introduction to Geography	3

E. Free Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Elementary Education with Concentration in Non-Teaching

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
	Social & Behavior Sciences A	3
MATH 121	Number Systems and Algebra	3
SPCH 314	Public Speaking	3
HLTH 185	Health Concepts	2

Subtotal: 15

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
PSY 212	General Psychology	3
MATH 122	Geometry and Data Analysis	3
GEOG 142	Introduction to Geography	3
	Humanities and Fine Arts C	2

Subtotal: 15

Sophomore Year

First Semester

	Humanities and Fine Arts A	3
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 220	Sophomore Seminar	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3

Subtotal: 15

Second Semester

HIST 200	Introduction to History	3
EDUC 225	Exploration in Mathematics	3
EDUC 250	Introduction to Reading	3
	Natural Sciences and Mathematics - B	4
BUAD 115	Introduction to Business	3

Subtotal: 16

Junior Year

First Semester

BKED 330	Educational Assessment of Infants, Toddlers & Preschools	3
ELEM 300	Reading & Language Arts	3

EDUC 279	Multicultural Education	3
PSY 250	Developmental Psychology	3
ACCT 210	Financial Accounting	3
		Subtotal: 15

Second Semester

ENGL 319	Children's Literature	3
BKED 305	Early Childhood Literacy Development	3
HIST 251	African American History since 1877	3
SPED 370	Introduction to Positive Behavior Support	3
	Physical Education Activity	1
ECON 201	Principles of Economics I	3
		Subtotal: 16

Senior Year

First Semester

HIST 255	American History to 1877	3
BKED 335	Communication and Collaboration in Schools and Communities	3
SPED 302	Assessing and Teaching Beginning Reading	4
	Free Elective	3
	Free Elective	3
		Subtotal: 16

Second Semester

HIST 376	African-American Experience in North Carolina	3
BKED 475	Autism Spectrum & Related Behavior Disorders	3
MNGT 221	Principles of Management	3
	Free Elective	3
		Subtotal: 12

Subtotal: 120

Academic Concentration: Elementary

Required Courses for Academic Concentration: Elementary

Listed below are the academic concentration courses from which elementary education candidates shall select a minimum of 18 credit hours:

General Science

BIOL 100	Principles of Biological Science	3
BIOL 100L	Principles of Biological Science Lab	1
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
CHEM 102	General Chemistry II	3
ENSC 101	General Environmental Science	3
ENSC 101L	General Environmental Science Laboratory	1
GEOL 158L	Principles of Geological Science Lab	1

Mathematics

MATH 115	College Algebra	3
MATH 118	Precalculus	3
MATH 122	Geometry and Data Analysis	3
STAT 251	Basic Statistics	3

MATH 350	Number Theory	3
MATH 352	College Geometry	3

Psychology

PSY 212	General Psychology	3
PSY 250	Developmental Psychology	3
PSY 301	Statistics and Research Design	4
PSY 311	Psychological Tests and Measurement	3
PSY 351	Experimental Psychology	4
PSY 400	Sensation and Perception	3

Social Sciences

ECON 201	Principles of Economics I	3
GEOG 142	Introduction to Geography	3
HIST 200	Introduction to History	3
HIST 251	African American History since 1877	3
HIST 255	American History to 1877	3
HIST 376	African-American Experience in North Carolina	3
	OR	
POLS 299	State and Local Government	3

Secondary Education, Minor

Curriculum

A Core Requirement (27 hours)

EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 360	Teaching and Assessment	3
EDUC	Prof. St. IV: Secondary Methods	3
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC	Observation and Supervised Student Teaching in the Academic Discipline	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F

Subtotal: 29

Office of Teacher Education

The Teacher Education Program is approved by the state of North Carolina and is accredited by the Council for the Accreditation of Educator Preparation (CAEP) formerly NCATE. Program coursework meets Interstate New Teacher Assessment and Support Consortium (InTASC) Standards, North Carolina Teaching Standards, International Society for Technology in Education (ISTE) Standards, Specialty Standards and the Department's Conceptual Framework.

CONCEPTUAL FRAMEWORK 21ST CENTURY PROFESSIONAL EDUCATOR

The Conceptual Framework 21st Century Professional Educator, describes the vision and purpose of the Dr. Helen Marshall Caldwell Department of Education, Psychology and Health in preparing educators to work in P-12 schools. Consistent with the institution's mission, the Department's focus is to prepare educators to be global competitors, advocates for diversity, healthy and responsible citizens, critical thinkers and innovators, embedded technology users and effective communicators and collaborators who are capable of meeting the diverse needs of all learners. Supported by a strong knowledge base, the conceptual framework provides a system for ensuring coherence and a well-articulated professional commitment to student knowledge of content, teaching effectiveness, leadership, and learning. This coherence is reflected in the curriculum, instruction, and clinical experiences to develop the knowledge, skills, and dispositions that are valued in the professional educator. The conceptual framework is designed as the guiding force for program implementation, assessment, evaluation, and effectiveness.

INSTITUTION GOALS FOR TEACHER EDUCATION AT ECSU

The Teacher Education Program has a long-range plan which is monitored regularly. Major emphasis is on: (1) providing students with a rich educational experience and an opportunity to be effective teachers in 21st century classrooms, (2) increasing the number and diversity of candidates, (3) providing greater collaboration with public schools, and (4) developing new and/or expanded programs at the undergraduate and graduate levels employing technology as a tool to enhance the educational environment. Additionally, specific long-range plans are presented in the SACS and CAEP reports for the Teacher Education Program.

ADMISSION INTO THE TEACHER EDUCATION PROGRAM

Admission into the Teacher Education Program is open to both degree-seeking students and post-baccalaureate, non-degree (Lateral Entry/Licensure-Only) students who meet the requirements established by the University and the individual program in which they are seeking certification.

INITIAL ADMISSION TO THE PROGRAM

According to the criteria established by the Department of Public Instruction and the Department of Education, Psychology and Health, students must complete the following for program eligibility

- complete an application to the Teacher Education Program;
- meet with the advisor;
- complete a criminal background check with certified background.com and have a satisfactory record;
- completed 15 hours of classroom field experience
- EDUC 210 Professional Studies I: Introduction to Education
- undergraduate GPA of at least 2.80;
- satisfactory interview;
- acceptable writing sample; and
- satisfy the Praxis Core or have acceptable SAT/ACT scores

*Licensure Only candidates are not required to take Praxis Core.

Each student who applies for admission to the Teacher Education Program will be given written notification regarding admission or denial of admission. A student is not considered admitted to the Teacher Education Program until such notification is provided.

PROGRAM RETENTION

- Students must attend all mandatory Education majors meetings
- Meet with advisor(s) semesterly
- Maintain a cumulative grade point average of a 2.80
- Complete all major/minor/concentration requirements

Students are encouraged to meet all program requirements. Failure to meet requirements could compromise Teacher Education admittance status, requiring program reinstatement.

PREREQUISITES FOR STUDENT TEACHING

In order to qualify for student teaching, a student must:

- be admitted into the Teacher Education Program;
- must be in the final semester at the University;
- have a minimum overall cumulative grade point average of 2.80 on a scale of 4.0;
- complete all General Education courses and all required education courses except student teaching;
- submit an application for student teaching one to two semesters prior to the student teaching semester on or before dates announced by the Office of Teacher Education;
- remove all deficiencies, if any, by the established deadline; and
- meet the established criteria for all Electronic Evidences.

REQUIREMENTS FOR EXIT

Each student must satisfy the following requirements to complete the Teacher Education Program:

- Complete all major/minor/concentration courses
- Successfully complete student teaching and submit all student teaching forms
- Complete Exit Interview
- Complete the Taskstream Portfolio with an overall assessment of Acceptable

ELECTRONIC PORTFOLIO REQUIREMENTS

The Teacher Education Program requires that candidates use Taskstream to create and submit the North Carolina Department of Public Instruction required evidences/artifacts (assignments). As prospective teachers, students are required to develop an Electronic Portfolio that demonstrates professional growth and provides opportunities for self-assessment and reflection. Evidences must meet four broad competency areas: content knowledge, pedagogical knowledge, positive impact on student learning, and leadership.

APPLYING FOR A NC TEACHING LICENSE

Students must apply for North Carolina teaching license or renewal using the North Carolina online licensing system. Students must submit the following:

- An official transcript (including degree awarded date)
- Certification of Teacher Capacity Form
- Praxis II or NCTEL (NCTEL-Elementary & Special Education programs only)

CURRICULUM CENTER

The Curriculum Center provides a wide variety of books and instructional materials at levels ranging from Pre-K through secondary. Included are selected textbook series and supplementary materials for children and youth. Materials for lesson plans, unit development, exercises, testing, instructional aids, and teaching strategies are also available. Also included are reference books pertaining to children's literature, instructional media, posters, art prints, recordings, and manipulatives for hands-on experiences.

COMPUTER LAB

A Computer Lab is available in the education building for student and classroom use. The lab provides an opportunity for faculty to engage students in the use of technology in the classroom.

University-Schools Teacher Education Partnership (U-STEP)

U-STEP is designed to unite the teacher education program and the public school system. In this collaboration, ECSU and the public school systems work together to prepare university students to become skilled teachers. The partnership focuses on the mutual goal of quality teaching to foster learning and research in schools. Through U-STEP students engage in year-long student teaching.

Field experiences in Elizabeth City State University's Teacher Education Program are systematically planned to involve students in increasingly real teaching experiences. Students complete 15 hours of field experience prior to program admission. During the year-long, the field experience required for all

methods courses is the basis for the time in the field during the first semester (clinical I) prior to candidates' student teaching (clinical II) experiences. During the first semester, students will complete 25-60 hours. Students will complete 75 days of student teaching.

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

The School of Humanities and Social Sciences houses the following departments:

- Department of English and Digital Media
- Department of Social Sciences
- Department of Music and Visual Arts

DEPARTMENT OF ENGLISH AND DIGITAL MEDIA

The Department of English and Digital Media provides all students with integrated experiences and instruction in the English language, literature, creative writing, communication studies, digital media, and foreign languages. It seeks to achieve four major objectives:

1. to develop in all students' proficiency in the use of the English language and in analytical thinking, writing, and problem-solving skills;
2. to assist all students in understanding and appreciating their literary heritage and that of other peoples;
3. to prepare students for careers in the digital media and communication fields and
4. to provide majors with a rich background in communication skills and to encourage their admission into professional programs such as law, public relations, government service, and education.

In addition to the department's objectives for all its majors, the department welcomes students in other majors who wish to achieve the following:

- an understanding of the role of communication in daily life with a focus on the importance of cultural diversity in communication;
- a proficiency in the use of professional skills, techniques, methodologies, and supportive techniques in specific disciplines;
- the acquisition of professional values and ethics;
- a regimen of self-growth and professional development; and
- the mastery of their creative writing skills.

The Department of English and Digital Media offers Bachelor of Arts degrees in English and Digital Media Art. The English and Digital Media Art degree programs are tangential areas of study which provide students with instruction, experience, and training for the purpose of self-development, enrichment, possible career alternatives, and graduate school.

The Department of English and Digital Media offers the following courses in the University Honors Program:

Freshman Composition Honors I and II (ENGL 102H/ENGL 103H or ENGL 104H/ENGL 105H, 3/3 semester hrs); World Literature Honors Seminar I and II (ENGL 203/ENGL 204, 3/3 semester hrs); Public Speaking (SPCH 314H, 3 semester hrs); and Junior-Senior Honors Project (ENGL 480, 3 semester hrs).*

All majors must participate in a senior exit interview, research capstone public presentation, and senior exit exam, prior to graduation. All students are expected to proceed through the required sequence of courses achieving a grade of "C" or better.

All students are expected to proceed through the required sequence of courses achieving a grade of "C" or better.

English, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (54 hours)

1. Core Courses (21 hours)

ENGL 200	Introduction to English Studies	3
ENGL 303	Literary Criticism	3
ENGL 316	Introduction to Rhetoric and Composition	3
ENGL 399	Introduction to Creative Writing	3
ENGL 425	Shakespeare	3
ENGL 458	African American Literature	3
ENGL 498	Research Methods in English--Capstone	3

2. Core Electives I (15 hours)

Select one course from each of the 5 categories below.

American Literature

Select one course from the list below.

ENGL 305	American Literature I	3
ENGL 306	American Literature II	3
ENGL 307	Southern Literature	3
ENGL 465	Contemporary American Literature	3
ENGL 466	The American Novel	3

British Literature

Select one course from the list below.

ENGL 301	British Literature I	3
ENGL 302	British Literature II	3
ENGL 428	English Literature of the 18th Century	3
ENGL 429	English Literature of the 19th Century	3
ENGL 430	The British Novel	3
ENGL 467	Contemporary British Literature	3

Genre Studies

Select one course from the list below.

ENGL 319	Children's Literature	3
ENGL 325	Digital Literacy Studies	3
ENGL 336	Young Adult Literature	3
ENGL 350	The Graphic Novel	3
ENGL 404	Film and Literature	3

Diversity and Literature

Select one course from the list below.

ENGL 308	Multi-Ethnic American Literature	3
ENGL 309	Caribbean Literature	3
ENGL 310	Harlem Renaissance	3
ENGL 311	Introduction to Women's Literature	3
ENGL 400	Asian American Writers	3
ENGL 405	Gender and Literature	3
ENGL 411	Postcolonial Literature	3

Writing Studies

Select one course from the list below.

ENGL 317	Advanced Composition	3
ENGL 322	Advanced English Grammar	3
ENGL 327	History of the English Language	3
ENGL 401	Technical Writing	3
ENGL 406	Intermediate Creative Writing: Poetry	3
ENGL 407	Nature Writing	3
JOUR 351	Journalism I	3
JOUR 352	Journalism II	3

3. Core Electives II (18 hours)

Select 18 credit hours (that have not already been taken) with the following prefix: ENGL, MCOM, JOUR, SPCH.

C. Related Area Requirements (6 hours)

Select any two consecutive foreign languages.

D. Concentration Requirements**E. Free Electives (25 hours)**

Subtotal: 120

Curriculum Guide for Majors in English**Freshman Year****First Semester**

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
HLTH 185	Health Concepts	2
	Any approved foreign language	3
	Natural Sciences and Mathematics - B	4
	Social & Behavior Sciences B (1)	3
		Subtotal: 16

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
	Any approved foreign language	3
	Natural Sciences and Mathematics - A	3
	Social & Behavior Sciences B (2)	3
	Physical Education Activity	1
		Subtotal: 14

Sophomore Year**First Semester**

ENGL 201	World Literature I	3
ENGL 200	Introduction to English Studies	3
	Social & Behavior Sciences A	3
ENGL 316	Introduction to Rhetoric and Composition	3
ENGL 399	Introduction to Creative Writing	3
		Subtotal: 15

Second Semester

ENGL 303	Literary Criticism	3
	Free Elective 1	1
	Humanities and Fine Arts C	2
	Humanities and Fine Arts A	3
	Major Core Elective (3 hours)	3
	Major Core Elective (3 hours)	3
		Subtotal: 15

Junior Year**First Semester**

ENGL 425	Shakespeare	3
	Free Electives	6
ENGL 458	African American Literature	3
	Major Core Elective (3 hours)	3
		Subtotal: 15

Second Semester

	Free Electives	6
	Major Core Elective (3 hours)	3
	Major Core Elective (3 hours)	3
	Major Core Elective (3 hours)	3
		Subtotal: 15

Senior Year**First Semester**

	Free Electives	6
	Free Elective	3

Major Core Elective (3 hours)	3
Major Core Elective (3 hours)	3
	Subtotal: 15

Second Semester

Free Elective	3
Major Core Elective (3 hours)	3
Major Core Elective (3 hours)	3
Major Core Elective (3 hours)	3
ENGL 498 Research Methods in English-- Capstone	3
	Subtotal: 15

Subtotal: 120

* Two consecutive courses (6 semester hours) in any approved foreign language (or another accepted language)

Digital Media Arts

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (33 hours)

1. Core Courses (33 hours)

COM 201	Intercultural Communication	3
DGM 159	Interactive Video	3
DGM 165	Digital Media Communications	3
DGM 260	Film Theory & Cinematography	3
DGM 298	Social Media Analysis	3
DGM 371	Digital Storytelling	3
MCOM 347	Mass Communication Theory and Research	3
MCOM 450	Media Law and Ethics	3
MCOM 479	Special Topics and Studies in Mass Communications	3
MCOM 498	Internship	3-6
MCOM 499	Broadcast Seminar	3

C. Related Area Requirements (39 hours)

1. Related Area Core Requirements (18 hours)

ART 100	Art Foundations	3
ART 101	Introduction to Media Arts	3
ART 201	Visual Information Architecture	3
ENGL 325	Digital Literacy Studies	3
ENGL 399	Introduction to Creative Writing	3
ENGL 401	Technical Writing	3

2. Related Area Electives (24 hours)

Select eight courses from the list below.

ART 111	Three-Dimensional Design	3
ART 301	Interactive Design	3
DGM 325	Drone Cinematography	3
MCOM 353	Radio Production	3
MCOM 354	Advanced Radio Production	3
MCOM 355	Television Production	3
MCOM 356	Advanced Television Production	3
MCOM 357	Introduction to Public Relations	3
JOUR 349	Mass Media	3
JOUR 451	Broadcast Journalism	3
SPCH 314	Public Speaking	3

HIST 320	Introduction to Digital & Public History	3
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E. Free Electives (10 hours)

Subtotal: 120

Curriculum Guide for Majors in Digital Media Arts

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
	Natural Sciences and Mathematics - B	4
	Social & Behavior Sciences A	3
HLTH 185	Health Concepts	2
ART 100	Art Foundations	3

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
	Natural Sciences and Mathematics - A	3
	Physical Education Activity	1
ART 101	Introduction to Media Arts	3
	Free Elective 1	1
	Social Behavioral Science	3

Sophomore Year

First Semester

	Humanities and Fine Arts A	3
	Social Behavioral Science	3
	Related Area Elective 3	3
DGM 165	Digital Media Communications	3
ART 201	Visual Information Architecture	3

Second Semester

	Humanities and Fine Arts C	2
DGM 260	Film Theory & Cinematography	3
COM 201	Intercultural Communication	3
ENGL 399	Introduction to Creative Writing	3
DGM 159	Interactive Video	3

Junior Year

First Semester

DGM 298	Social Media Analysis	3
DGM 371	Digital Storytelling	3
MCOM 347	Mass Communication Theory and Research	3
	Humanities and Fine Arts B	3
ENGL 325	Digital Literacy Studies	3

Second Semester

	Related Area Elective 3	3
	Related Area Elective 3	3
	Related Area Elective 3	3
	Related Area Elective 3	3
	Related Area Elective 3	3

Senior Year

First Semester

ENGL 401	Technical Writing	3
	Related Area Elective 3	3
	Related Area Elective 3	3
MCOM 450	Media Law and Ethics	3
	Free Elective	3

Second Semester

MCOM 479	Special Topics and Studies in Mass Communications	3
MCOM 498	Internship	3-6
MCOM 499	Broadcast Seminar	3
	Free Electives	6

Subtotal: 120

Communication Studies, B.A.

THIS PROGRAM HAS BEEN DISCONTINUED EFFECTIVE FALL 2019. STUDENTS CAN NO LONGER ENROLL IN THIS PROGRAM.

Curriculum

A. General Education Requirements (35 hours)

SPCH 314	Public Speaking	3
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B. Major Requirements (45 hours)

COM 200	Interpersonal Communication	3
COM 201	Intercultural Communication	3
ENGL 322	Advanced English Grammar	3
JOUR 349	Mass Media	3
JOUR 351	Journalism I	3
JOUR 352	Journalism II	3
JOUR 451	Broadcast Journalism	3
MCOM 250	Introduction to Broadcasting	3
MCOM 353	Radio Production	3
MCOM 354	Advanced Radio Production	3
MCOM 355	Television Production	3
MCOM 356	Advanced Television Production	3
MCOM 357	Introduction to Public Relations	3
MCOM 400	Print & Broadcast Management	3
MCOM 450	Media Law and Ethics	3

C. Related Area Requirements (15 hours)

1. Related Area Core (15 hours)

SPCH 201	Voice and Diction	3
SPCH 314	Public Speaking	3
MCOM 347	Mass Communication Theory and Research	3
MCOM 498	Internship	3-6
MCOM 499	Broadcast Seminar	3

2. Related Area Electives (6 hours)

Select 2 consecutive courses from below.

SPAN 101	Elementary Spanish	3
SPAN 102	Elementary Spanish	3
FREN 101	Elementary French	3
FREN 102	Elementary French	3
LATN 101	Introductory Latin	3
LATN 102	Introductory Latin II	3
CHIN 101	Introduction to Chinese I	3
CHIN 102	Introduction to Chinese II	3

D. Concentration Requirements (0 hours)

E. Free Electives (19 hours)

Subtotal: 120

Curriculum Guide for Majors in Communication Studies

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
HLTH 185	Health Concepts	2
	Any approved foreign language	3
	Natural Sciences and Mathematics - B	4
	Social & Behavior Sciences A	3
	Subtotal:	16

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
	Any approved foreign language	3
	Natural Sciences and Mathematics - A	3
	Social & Behavior Sciences B (1)	3
	Physical Education Activity	1
	Subtotal:	14

Sophomore Year

First Semester

ENGL 201	World Literature I	3
SPCH 201	Voice and Diction	3
COM 200	Interpersonal Communication	3
	Free Elective	3
	Social & Behavior Sciences B (1)	3
	Subtotal:	15

Second Semester

MCOM 250	Introduction to Broadcasting	3
SPCH 314	Public Speaking	3
COM 201	Intercultural Communication	3
	Free Elective 1	1
	Humanities and Fine Arts C	2
	Humanities and Fine Arts B	3
	Subtotal:	15

Junior Year

First Semester

JOUR 351	Journalism I	3
MCOM 353	Radio Production	3
MCOM 355	Television Production	3
	Free Electives	6
	Subtotal:	15

Second Semester

ENGL 322	Advanced English Grammar	3
JOUR 349	Mass Media	3
JOUR 352	Journalism II	3
MCOM 354	Advanced Radio Production	3
MCOM 356	Advanced Television Production	3
	Subtotal:	15

Senior Year

First Semester

MCOM 347	Mass Communication Theory and Research	3
JOUR 451	Broadcast Journalism	3
MCOM 400	Print & Broadcast Management	3
MCOM 450	Media Law and Ethics	3
	Free Elective	3

Second Semester

MCOM 498	Internship	3-6
MCOM 499	Broadcast Seminar	3
MCOM 357	Introduction to Public Relations	3
	Free Electives	6
		Subtotal: 15

Subtotal: 120

Communication Studies, Minor

Curriculum

Required Courses

JOUR 349	Mass Media	3
JOUR 351	Journalism I	3
MCOM 250	Introduction to Broadcasting	3
MCOM 347	Mass Communication Theory and Research	3
MCOM 353	Radio Production	3
MCOM 355	Television Production	3
MCOM 450	Media Law and Ethics	3

Subtotal: 21

English, Minor

Curriculum

Required Courses

ENGL 200	Introduction to English Studies	3
ENGL 303	Literary Criticism	3

Select twelve credit hours from any 300 or 400 level ENGL prefix course.

Subtotal: 18

Spanish, Minor

A grade of "C" or higher is required in each course.

Curriculum

Required Courses

SPAN 102	Elementary Spanish	3
SPAN 201	Intermediate Spanish	3
SPAN 202	Intermediate Spanish	3

Minor Electives

Select nine hours from the list below.

SPAN 303	Spanish Composition	3
SPAN 304	Spanish Conversation	3
SPAN 401	Survey of Spanish Literature	3
SPAN 402	Survey of Latino Literature	3
ENGL 309	Caribbean Literature	3

Subtotal: 18

DEPARTMENT OF SOCIAL SCIENCES

Mission Statement of the Department of Social Sciences is to prepare students for careers and professions in Criminal Justice, History, Homeland Security and Interdisciplinary Studies by providing training in theory, research, critical thinking, and combining local and global perspectives. The Department produces students with knowledge and skills critical for success in the emerging global information society of the 21st Century.

Goals of the Department of Social Sciences

- to prepare students for graduate and professional schools;
- to provide students the opportunities to develop skills in critical thinking, critical reading, writing, and analysis;
- to provide students with learning experience through course work, internships, educational activities, discipline related technology, and community service.

Distance Education Programs

Elizabeth City State University (ECSU) provides options for students with associate degrees from North Carolina Community Colleges to earn the BS degree in Criminal Justice through distance education programming. ECSU offer these programs via video conferencing, online, and hybrid formats with future plans of incorporating on-site, face-to-face classes at partnering community colleges.

Statement on Plagiarism and Academic Dishonesty within the Department of Social and Behavioral Sciences

All of the Academic Programs in the Department of Social Sciences require formal writing projects. Students are required to produce and submit their original work in all classes. Each of the Programs has developed a procedure to address plagiarism that compliments the University Policy on plagiarism.

DEFINITION: Plagiarism, or academic dishonesty, is the act of taking credit for work done by another. It includes the following actions:

- "cutting and pasting" material found on the Internet, that is, taking chunks of content off of a Web page with citation;
- using material prepared by others, such as papers and assignments, and handing them in as if they were the student's own;
- taking direct quotations from any source - not just printed - without putting the words cited between quotation marks (" ") and providing citations; and rephrasing materials from another source and then failing to mention the source in a footnote/endnote and/or a "works cited" page.

Sources and included books, any content on a website, articles from magazines or journals, television or radio programming, oral interviews, lectures, written projects or any material illustrated on poster boards. In other words, if you use any content created by another, you must acknowledge the sources. Academic dishonesty also includes cheating on examinations, quizzes, or any in-class assignment. Cheating is defined by the instructor.

Criminal Justice Degree Program

MISSION

The mission of the Criminal Justice program is to offer a quality academic program conducive to the learning experiences of students. Central to achieving this mission is an interdisciplinary program of study that prepares graduates for careers in criminal justice or to continue their education through advanced academic degrees. The mission will be accomplished in a stimulating academic environment that values diversity and fosters respect among students, faculty, and staff. The Criminal Justice Program's mission will complement the overall mission of the Department of Social and Behavioral Sciences and Elizabeth City State University.

Goals of the Criminal Justice Program

- to provide opportunities to enhance students' verbal, written, and technological skills to function effectively as future criminal justice professionals;
- to provide students with the knowledge and skills that will enable them to critically investigate issues regarding crime and justice; and
- to develop competent individuals capable of independent and effective decision-making in criminal justice organizations.

Only credit from institutions that are accredited by their regional higher education accrediting body is accepted for transfer into an undergraduate criminal justice program. No academic credit is awarded or accepted for transfer credit to the criminal justice major by the criminal justice program for life experience or for military, police academy, or other professional training. The Criminal Justice program requires students to repeat a core criminal justice course if at least six years have elapsed since initial enrollment in a course. ECSU awards degrees only to those students who have earned at least 50 percent of the credit hours in the Criminal Justice program through instruction offered by ECSU.

Interdisciplinary Pre-Law Program

Students planning to enter law school should be aware of the recommendations of the Association of American Law Schools which describes the basic skills and insights it believes are fundamental to the later attainment of legal competence: (a) comprehensive ability and expression in words, (b) critical understanding of human institutions and values with which the law deals, and (c) creative power in thinking. Although no single course of instruction is prescribed by the American Bar Association, pre-law students (in consultation with the pre-law advisors) are urged to follow the designed pre-law curriculum. This program will facilitate the student's ability to think clearly, concisely, independently, and persuasively.

Criminal Justice, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Core Requirements (52 hours)

1. Core Courses (34)

CJ 201	Introduction to Criminal Justice	3
CJ 203	Criminal Justice Ethics	3
CJ 204	Corrections	3
CJ 206	Police in American Society	3
CJ 311	Advanced Criminal Law and Jurisprudence	3
CJ 313	Research Methods in Criminal Justice	4
CJ 391	Criminological Theory	3
CJ 392	Statistics in Criminal Justice	3
CJ 400	Juvenile Delinquency	3
CJ 492	Public Policy in Criminal Justice	3
CJ 489	Senior Seminar in Criminal Justice	3

2. Core Electives (18 hours)

Select 18 credit hours from the courses below.

CJ 211	Diversity in Criminal Justice	3
CJ 212	Women and the Criminal Justice System	3
CJ 208	Drugs, Alcohol and Crime to Substance Abuse	3
CJ 210	Juvenile Justice System	3
CJ 217	Violent Crimes to Victimology	3
CJ 310	American Constitution Law	3
CJ 312	Criminal Evidence	3
CJ 314	Criminal Procedure	3
CJ 381	Crime Myths and Moral Panic	3
495	Special Topics	3
CJ 410	Prosecution and the Courts	3
CJ 496	Comparative Criminal Justice	3
CJ 498	Directed Study in Criminal Justice	3
CJ 499	Criminal Justice Internship	6

C. Related Courses (12 hours)

(Related area courses may not be used to satisfy General Education Requirements)

Select 12 semester hours from the following:

BUAD 190	Management Information Systems	3
COM 200	Interpersonal Communication	3
ENGL 317	Advanced Composition	3
HIST 251	African American History since 1877	3
HMLS 215	Introduction to Homeland Security	3
SOC 207	Race and Ethnic Relations	3
SOC 305	Sociology of the African-American	3
SOC 330	Sociology of Deviant Behavior	3
POLS 298	American National Government	3
SPAN 101	Elementary Spanish	3
	or	
SPAN 102	Elementary Spanish	3

D. Free Electives (21 hours)

Subtotal: 120

Curriculum Guide for Majors in Criminal Justice

Freshman Year

First Semester

UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
	Natural Sciences and Mathematics - A	3
	Social & Behavior Sciences A	3
HLTH 185	Health Concepts	2
	Humanities and Fine Arts B	3

Subtotal: 15

Second Semester

UNIV 120	Freshman Seminar II	1
ENGL 103	Composition II	3
	Physical Education Activity	1
	Social & Behavior Sciences A	3
	Natural Sciences and Mathematics - B	4
	Free Elective	3

Subtotal: 15

Sophomore Year

First Semester

	Social & Behavior Sciences B (2)	3
	Humanities and Fine Arts A	3
	Related Course	3
	Humanities and Fine Arts C	2
CJ 201	Introduction to Criminal Justice	3
	Free Elective 1	1

Subtotal: 15

Second Semester

CJ 203	Criminal Justice Ethics	3
CJ 204	Corrections	3
CJ 206	Police in American Society	3
CJ 392	Statistics in Criminal Justice	3
	Related Course	3

Subtotal: 15

Junior Year

First Semester

	Related Course	3
CJ 311	Advanced Criminal Law and Jurisprudence	3
CJ 313	Research Methods in Criminal Justice	4
CJ 391	Criminological Theory	3
	Major Core Elective (3 hours)	3

Subtotal: 15

Second Semester

	Related Course	3
	Major Core Elective (3 hours)	3
	Major Core Elective (3 hours)	3
CJ 400	Juvenile Delinquency	3
	Free Elective	3

Subtotal: 15

Senior Year

First Semester

CJ 492	Public Policy in Criminal Justice	3
CJ 489	Senior Seminar in Criminal Justice	3
	Major Core Elective (3 hours)	3
	Free Elective	3
	Free Elective	3

Subtotal: 15

Second Semester

	Major Core Elective (3 hours)	3
	Minor/Electives	12

Subtotal: 15

Subtotal: 120

Homeland Security Degree Program

Homeland Security, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Core Requirements (54 hours)

1. Core Courses (42 hours)

PHS 110	Introduction to Public Health	3
CJ 201	Introduction to Criminal Justice	3
EM 224	Emergency Service Law and Ethics	3
GEOG 221	Cartographic Principles	3
HMLS 215	Introduction to Homeland Security	3
HMLS 230	Border and Immigration Control	3
HMLS 325	Critical Infrastructure Protection	3
HMLS 360	Introduction to Intelligence Analysis	3
SOC 391	Sociology of Terrorism	3
EM Weapons of Mass Destruction	315	3
CJ 492	Public Policy in Criminal Justice	3
HIST 475	History of the Islamic World	3
POLS 403	American Foreign Policy	3
HMLS 490	Senior Seminar in Homeland Security	3

2. Core Electives (12 hours)

EM 200	Introduction to Emergency Management	3
CJ 381	Crime Myths and Moral Panic	3
CJ 391	Criminological Theory	3
CJ 496	Comparative Criminal Justice	3
EM 298	Social Dimensions of Disasters	3
PHS 210	Community Health, Safety, and Disease	3

C. Related Area Requirements (12 hours)

BMIS 425	IT and Cyber Security Management	3
CJ 217	Violent Crimes to Victimology	3
COM 201	Intercultural Communication	3
ENGL 240	Disaster Command and Control Principles of ICS & NIMS	3
EM 382	Emergency Planning	3
EM 495	EM Leadership & Policy Management	3
GEOG 201	World Geography	3
GEOL 360	Principles of Geographic Information System (GIS)	4
HIST 200	Introduction to History	3
HIST 332	Global Religion	3
HIST 358	United States and the World, 1919-present	3
HIST 473	Africa and the Making of the Modern World	3
PHS 310	Environmental Health and Sanitation	3
PHS 410	Terrorism, Disasters, and Epidemics	3
POLS 483	International Relations	3

D. Free Electives (19 hours)

Subtotal: 120

Curriculum Guide for Majors in Homeland Security

Freshman Year

First Semester

UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
	Natural Sciences and Mathematics - A	3
	Social & Behavior Sciences A	3
HLTH 185	Health Concepts	2
	Humanities and Fine Arts B	3
	Subtotal:	15

Second Semester

UNIV 120	Freshman Seminar II	1
ENGL 103	Composition II	3
	Physical Education Activity	1
	Social & Behavior Sciences A	3
	Natural Sciences and Mathematics - B	4
	Subtotal:	12

Sophomore Year

First Semester

	Social & Behavior Sciences B (2)	3
	Humanities and Fine Arts A	3
	Free Elective	3
HMLS 215	Introduction to Homeland Security	3
	Major Core Elective (3 hours)	3
	Subtotal:	15

Second Semester

EM 224	Emergency Service Law and Ethics	3
HMLS 230	Border and Immigration Control	3
	Humanities and Fine Arts C	2
CJ 201	Introduction to Criminal Justice	3
	Free Elective	3
	Free Elective 1	1
	Subtotal:	15

Junior Year

First Semester

EM Weapons of Mass Destruction	315	3
HMLS 325	Critical Infrastructure Protection	3
PHS 110	Introduction to Public Health	3
	Related Course	3
	Free Elective	3
	Subtotal:	15

Second Semester

SOC 391	Sociology of Terrorism	3
HMLS 360	Introduction to Intelligence Analysis	3
HIST 475	History of the Islamic World	3
	Related Course	3
	Major Core Elective (3 hours)	3
	Subtotal:	15

Senior Year

First Semester

CJ 492	Public Policy in Criminal Justice	3
	Major Core Elective (3 hours)	3
	Free Elective	3
	Free Elective	3
	Related Area Elective 3	3

		Subtotal: 15
Second Semester		
HMLS 490	Senior Seminar in Homeland Security	3
POLS 403	American Foreign Policy	3
	Major Core Elective (3 hours)	3
	Free Elective	3
	Free Elective	3
	Related Area Elective 3	3
Subtotal: 120		Subtotal: 18

History

MISSION OF THE HISTORY DEGREE PROGRAM

The History program is designed to provide students with a broad liberal arts education by creating an environment for students to develop academic skills in understanding American culture and history as well as those of other societies across the globe. The History program is committed to preparing thoughtful citizens and productive members of a global society by embracing both broad and "deep" content knowledge, pedagogical innovation, and the use of technology. The program is organized to prepare students for advanced study in history and law as well as careers in education, public history, government, research and other professions that require History's flexible skills set.

GOALS OF THE HISTORY PROGRAM:

1. provide general studies courses for the General Education curriculum;
2. provide core courses leading to the B.A. Degree in History; prepare students for career opportunities and graduate studies in the fields of history, political science, public administration, public history, global studies, geography, law, and teaching in public and private schools through a minor in Secondary Education (Social Studies).

History - Concentration in Digital & Public History, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (42 hours)

1. Core Courses (24 hours)

HIST 140	History of World Civilization, Prehistoric to 1500	3
	or	

HIST 141	History of World Civilization, 1500 to the Present	3
HIST 200	Introduction to History	3
HIST 250	African American History to 1877 or	3
HIST 255	American History to 1877	3
HIST 251	African American History since 1877	3
	or	
HIST 256	American History Since 1877	3
POLS 298	American National Government	3
	or	
POLS 299	State and Local Government	3
HIST 376	African-American Experience in North Carolina	3
HIST 397	Historical Methods and Historiography	3
HIST 499	History Seminar	3

2. Core Electives (18 hours)

Select 2 courses from the courses listed below:

HIST 331	Prophets, Priests, and Radicals in the Atlantic World	3
HIST 351	Colonial North America and the Atlantic World, 1492-1800	3
HIST 352	Conflict, Reconstruction, and Imperialism, 1800-1919	3
HIST 358	United States and the World, 1919-present	3
HIST 494	African-American History Special Topics	3
HIST 495	US History Special Topics	3

Select 2 courses from the courses listed below

HIST 383	Ancient and Medieval Worlds	3
HIST 384	The Birth of Modern Europe, 1350-1789	3
HIST 385	Revolution and Empire in Nineteenth Century Europe	3
HIST 386	War of the Worlds: Europe in the Twentieth Century	3
HIST 496	European History Special Topics	3
HIST 332	Global Religion	3
HIST 361	Cold War: A Global History	3
HIST 465	China, East Asia, and the World	3
HIST 475	History of the Islamic World	3
HIST 497	World History Special Topics	3
HIST 373	History of Human and Civil Rights	3
HIST 481	Global Women's History	3

Select 2 courses from the list below

HIST 331	Prophets, Priests, and Radicals in the Atlantic World	3
HIST 473	Africa and the Making of the Modern World	3
HIST 494	African-American History Special Topics	3
HIST 373	History of Human and Civil Rights	3
HIST 498	African History Special Topics	3
HIST 372	The Black Atlantic	3
HIST 371	Apartheid and Freedom in South Africa	3
HIST 482	Women in the African Diaspora	3
HIST 475	History of the Islamic World	3

C. Related Area Requirements (0 hours)

D. Concentration Requirements (15 hours)

1. Concentration Core (6 hours)

HIST 320	Introduction to Digital & Public History	3
HIST 321	Archives and Museum Management & Digitization	3

2. Concentration Electives (9 hours)

Select 9 hours from the courses listed below:

ART 100	Art Foundations	3
ART 101	Introduction to Media Arts	3
ART 345	Film Theory and Production	3
CSC 114	Introduction to Computer Science	3
CSC 115	Programming I	3
HIST 322	Digital History Project Seminar	3
HIST 490	Internship in History	(3) (6)

E. Free Electives (28 hours)

You must receive a “C” or better in the following courses: HIST 200 Introduction to History, HIST 397 Historical Methods and Historiography, and HIST 499 History Seminar

Subtotal: 120

Curriculum Guide for Majors in History (D&P History Concentration)

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
MATH 114	Math for Liberal Arts	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3
	Humanities and Fine Arts B	3

Subtotal: 15

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences B (1)	3
	Humanities and Fine Arts C	2
	World Civilization Elective	3
	Social Behavioral Science	3

Subtotal: 15

Sophomore Year

First Semester

ENGL 201	World Literature I	3
	Natural Sciences and Mathematics - B	4
HIST 200	Introduction to History	3
HIST 250	African American History to 1877	3
	or	
HIST 255	American History to 1877	3
	Free Elective 2	2

Subtotal: 16

Second Semester

HIST 251	African American History since 1877	3
	OR	

HIST 256	American History Since 1877	3
HIST	300-400 level US History	3
HIST	300-400 level History of African Diaspora	3
	Free Elective 2	2
	Physical Education Activity	1
HIST 376	African-American Experience in North Carolina	3

Subtotal: 15

Junior Year

First Semester

HIST	300-400 level US History	3
HIST	300-400 level Global History	3
POLS 298	American National Government	3
	or	
POLS 299	State and Local Government	3
	Concentration Core Course	3
	Free Elective	3

Subtotal: 15

Second Semester

HIST 397	Historical Methods and Historiography	3
HIST	300-400 level History of African Diaspora	3
HIST 372	The Black Atlantic	3
	or	
HIST 475	History of the Islamic World	3
	Free Elective	3
	Free Elective	3

Subtotal: 15

Senior Year

First Semester

HIST 499	History Seminar	3
HIST 373	History of Human and Civil Rights	3
	or	
HIST 473	Africa and the Making of the Modern World	3
	Concentration Core Course	3
HIST	300-400 level Global History	3
	Free Elective	3

Subtotal: 15

Second Semester

	Concentration Elective 3	3
	Concentration Elective 3	3
	Free Elective	3
	Free Elective	3
	Free Elective	3

Subtotal: 15

Subtotal: 120

Total Credit Hours:
120

History - Concentration in Race, Gender, and Ethnicity Studies, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (39 hours)

1. Core Courses (21 hours)

HIST 140	History of World Civilization, Prehistoric to 1500	3
	or	
HIST 141	History of World Civilization, 1500 to the Present	3
HIST 200	Introduction to History	3
HIST 250	African American History to 1877	3
	or	
HIST 255	American History to 1877	3
HIST 251	African American History since 1877	3
	or	
HIST 256	American History Since 1877	3
HIST 376	African-American Experience in North Carolina	3
HIST 397	Historical Methods and Historiography	3
HIST 499	History Seminar	3

2. Core Electives (18 hours)

Select 2 courses from the courses listed below:

HIST 331	Prophets, Priests, and Radicals in the Atlantic World	3
HIST 351	Colonial North America and the Atlantic World, 1492-1800	3
HIST 352	Conflict, Reconstruction, and Imperialism, 1800-1919	3
HIST 358	United States and the World, 1919-present	3
HIST 494	African-American History Special Topics	3
HIST 495	US History Special Topics	3

Select 2 courses from the courses listed below

HIST 383	Ancient and Medieval Worlds	3
HIST 384	The Birth of Modern Europe, 1350-1789	3
HIST 385	Revolution and Empire in Nineteenth Century Europe	3
HIST 386	War of the Worlds: Europe in the Twentieth Century	3
HIST 496	European History Special Topics	3
HIST 332	Global Religion	3
HIST 361	Cold War: A Global History	3
HIST 465	China, East Asia, and the World	3
HIST 475	History of the Islamic World	3
HIST 497	World History Special Topics	3
HIST 373	History of Human and Civil Rights	3
HIST 481	Global Women's History	3

Select 2 courses from the list below

HIST 473	Africa and the Making of the Modern World	3
HIST 498	African History Special Topics	3
HIST 372	The Black Atlantic	3
HIST 371	Apartheid and Freedom in South Africa	3
HIST 482	Women in the African Diaspora	3

C. Related Area Requirements (0 hours)

D. Concentration Requirements (18 hours)

1. Concentration Core (12 hours)

HIST 473	Africa and the Making of the Modern World	3
	or	
HIST 475	History of the Islamic World	3
HIST 482	Women in the African Diaspora	3
	or	
HIST 493	Women's and Gender History Special Topics	3
HIST 372	The Black Atlantic	3
HIST 373	History of Human and Civil Rights	3

2. Concentration Electives (6 hours)

Select 6 hours from the courses listed below:

HIST 473	Africa and the Making of the Modern World	3
	or	
HIST 475	History of the Islamic World	3
	or	
HIST 482	Women in the African Diaspora	3
HIST 493	Women's and Gender History Special Topics	3
HIST 331	Prophets, Priests, and Radicals in the Atlantic World	3
HIST 352	Conflict, Reconstruction, and Imperialism, 1800-1919	3
HIST 371	Apartheid and Freedom in South Africa	3
HIST 498	African History Special Topics	3
HIST 493	Women's and Gender History Special Topics	3
SOC 207	Race and Ethnic Relations	3
SOC 305	Sociology of the African-American	3
SOWK 395	Women and Religion	3
ARTH 315	African American Art	3
MUS 212	The African American in Music	2
ENGL 458	African American Literature	3
SOC 304	Sociology of Gender	3

E. Free Electives (28 hours)

You must receive a "C" or better in the following courses: HIST 200 Introduction to History, HIST 397 Historical Methods and Historiography, and HIST 499 History Seminar
Subtotal: 120

Curriculum Guide for Majors in History (RGE Studies Concentration)

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
MATH 114	Math for Liberal Arts	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3
	Humanities and Fine Arts B	3
		Subtotal: 15

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences B (1)	3
	Humanities and Fine Arts C	2
	World Civilization Elective	3
	Social & Behavior Sciences B (2)	3
		Subtotal: 15

Sophomore Year

First Semester

ENGL 201	World Literature I	3
	Natural Sciences and Mathematics - B	4
HIST 200	Introduction to History	3
HIST 250	African American History to 1877 or	3
HIST 255	American History to 1877	3
	Free Elective	2
		Subtotal: 15

Second Semester

HIST 251	African American History since 1877	3
	OR	
HIST 256	American History Since 1877	3
HIST	300-400 level US History	3
HIST	300-400 level History of African Diaspora	3
	Free Elective 2	2
	Physical Education Activity	1
HIST 376	African-American Experience in North Carolina	3
		Subtotal: 15

Junior Year

First Semester

HIST	300-400 level US History	3
HIST	300-400 level Global History	3
	Free Elective	3
HIST 320	Introduction to Digital & Public History	3
POLS 298	American National Government	3
	or	
POLS 299	State and Local Government	3
		Subtotal: 15

Second Semester

HIST 397	Historical Methods and Historiography	3
HIST	300-400 level History of African Diaspora	3

	Free Elective	3
	Free Elective	3
HIST 321	Archives and Museum Management & Digitization	3
		Subtotal: 15

Senior Year

First Semester

HIST 499	History Seminar	3
	Concentration Core Course	3
HIST	300-400 level Global History	3
	Free Elective	3
	Free Elective	3
		Subtotal: 15

Second Semester

	Concentration Elective 3	3
	Concentration Elective 3	3
	Free Elective	3
	Free Elective	3
	Free Elective	3
		Subtotal: 15

Subtotal: 120

Total Credit Hours:
120

Secondary Education Minor Courses for History

Curriculum

Minor Secondary Education Minor (30 hours)

EDUC 203	Introduction to Computer Instructional Technology	3
EDUC 190		
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 211B		
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 311		
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC 351		
EDUC 430A	Secondary Instructional Methods (9-12) Social Studies/History	3
EDUC 360	Teaching and Assessment	3
EDUC 466	Observation and Supervised Teaching in Social Studies	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F

Subtotal: 30

Interdisciplinary Studies

Interdisciplinary Studies - Concentration in Community Services, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (30 hours)

1. INDS Core (6 hours)

INDS 300	Introduction to Interdisciplinary Studies	3
INDS 400	Capstone in Interdisciplinary Studies	3

2. Intensive Writing (3 hours)

Select 3 credits from the courses below.

ENGL 316	Introduction to Rhetoric and Composition	3
ENGL 317	Advanced Composition	3
ENGL 322	Advanced English Grammar	3
ENGL 399	Introduction to Creative Writing	3
ENGL 401	Technical Writing	3

3. Information Literacy (3 hours)

Select 3 credits from the courses below.

CSC 111	Introduction to Computer Applications	3
CSC 114	Introduction to Computer Science	3
CSC 115	Programming I	3
EDUC 203	Introduction to Computer Instructional Technology	3
BUAD 190	Management Information Systems	3
ART 101	Introduction to Media Arts	3

4. Liberal Arts (18 hours)

Select 18 credit hours in 200-level courses from the following disciplines in at least three different disciplines: ART, ARTH, BIO, CHEM, COM, ENGL, FL, ECON, GEOG, GLBS, HIST, MATH, MUS, PHIL, PSY, REL, SPAN, SOC, SPCH.

C. Free Electives (28 hours)

D. Concentration Requirements (27 hours)

Complete 27 credit hours in this concentration with the following criteria:

1. EDUC 210
2. 24 credit hours from the following disciplines: EDUC*, BKED*, ELEM*, SPED*, CJ, HLTH, PHS, PHSC, SOWK, PE, KIN, EM.
3. Complete at least 12 credit hours in a single discipline ("first discipline"). UNLESS 12 applicable credits were earned in a previous program of study, student must use eligible first discipline (*).
4. At least 21 credits must be at the 300- or 400-level.

EDUC 210	Professional Studies I: Introduction to Education	3
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Subtotal: 120

Interdisciplinary Studies - Concentration in Global Studies, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (30 hours)

1. INDS Core (6 hours)

INDS 300	Introduction to Interdisciplinary Studies	3
INDS 400	Capstone in Interdisciplinary Studies	3

2. Intensive Writing (3 hours)

Select 3 credits from the courses below.

ENGL 316	Introduction to Rhetoric and Composition	3
ENGL 317	Advanced Composition	3
ENGL 322	Advanced English Grammar	3
ENGL 399	Introduction to Creative Writing	3
ENGL 401	Technical Writing	3

3. Information Literacy (3 hours)

Select 3 credits from the courses below.

CSC 111	Introduction to Computer Applications	3
CSC 114	Introduction to Computer Science	3
CSC 115	Programming I	3
EDUC 203	Introduction to Computer Instructional Technology	3
BUAD 190	Management Information Systems	3
ART 101	Introduction to Media Arts	3

4. Liberal Arts (18 hours)

Select 18 credit hours in 200-level courses from the following disciplines in at least three different disciplines: ART, ARTH, BIO, CHEM, COM, ENGL, FL, ECON, GEOG, GLBS, HIST, MATH, MUS, PHIL, PSY, REL, SPAN, SOC, SPCH.

C. Free Electives (28 hours)

D. Concentration Requirements (27 hours)

Complete 27 credit hours in this concentration with the following criteria:

1. GLBS 200
2. 24 credit hours from the following disciplines: HIST*, POLS*, ENGL*, SOC, GLBS, ART, ARTH, MUS, GEOG, ECON.
3. Complete at least 12 credit hours in a single discipline ("first discipline"). UNLESS 12 applicable credits were earned in a previous program of study, student must use eligible first discipline (*).

4. At least 21 credits must be at the 300- or 400-level.
- | | | |
|----------|--------------------------------|---|
| GLBS 200 | Introduction to Global Studies | 3 |
|----------|--------------------------------|---|
- Subtotal: 120

Interdisciplinary Studies - Concentration in Security Studies, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (30 hours)

1. INDS Core (6 hours)

INDS 300	Introduction to Interdisciplinary Studies	3
INDS 400	Capstone in Interdisciplinary Studies	3

2. Intensive Writing (3 hours)

Select 3 credits from the courses below.

ENGL 316	Introduction to Rhetoric and Composition	3
ENGL 317	Advanced Composition	3
ENGL 322	Advanced English Grammar	3
ENGL 399	Introduction to Creative Writing	3
ENGL 401	Technical Writing	3

3. Information Literacy (3 hours)

Select 3 credits from the courses below.

CSC 111	Introduction to Computer Applications	3
CSC 114	Introduction to Computer Science	3
CSC 115	Programming I	3
EDUC 203	Introduction to Computer Instructional Technology	3
BUAD 190	Management Information Systems	3
ART 101	Introduction to Media Arts	3

4. Liberal Arts (18 hours)

Select 18 credit hours in 200-level courses from the following disciplines in at least three different disciplines: ART, ARTH, BIO, CHEM, COM, ENGL, FL, ECON, GEOG, GLBS, HIST, MATH, MUS, PHIL, PSY, REL, SPAN, SOC, SPCH.

C. Free Electives (28 hours)

D. Concentration Requirements (27 hours)

Complete 27 credit hours in this concentration with the following criteria:

1. CJ 201
2. 24 credit hours from the following disciplines: CJ*, HMLS*, EM*, SOC.
3. Complete at least 12 credit hours in a single discipline ("first discipline"). UNLESS 12 applicable credits were earned in a previous program of study, student must use eligible first discipline (*).

4. At least 21 credits must be at the 300- or 400-level.
- | | | |
|--------|----------------------------------|---|
| CJ 201 | Introduction to Criminal Justice | 3 |
|--------|----------------------------------|---|
- Subtotal: 120

Interdisciplinary Studies - Concentration in Individualized, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (30 hours)

1. INDS Core (6 hours)

INDS 300	Introduction to Interdisciplinary Studies	3
INDS 400	Capstone in Interdisciplinary Studies	3

2. Intensive Writing (3 hours)

Select 3 credits from the courses below.

ENGL 316	Introduction to Rhetoric and Composition	3
ENGL 317	Advanced Composition	3
ENGL 322	Advanced English Grammar	3
ENGL 399	Introduction to Creative Writing	3
ENGL 401	Technical Writing	3

3. Information Literacy (3 hours)

Select 3 credits from the courses below.

CSC 111	Introduction to Computer Applications	3
CSC 114	Introduction to Computer Science	3
CSC 115	Programming I	3
EDUC 203	Introduction to Computer Instructional Technology	3
BUAD 190	Management Information Systems	3
ART 101	Introduction to Media Arts	3

4. Liberal Arts (18 hours)

Select 18 credit hours in 200-level courses from the following disciplines in at least three different disciplines: ART, ARTH, BIO, CHEM, COM, ENGL, FL, ECON, GEOG, GLBS, HIST, MATH, MUS, PHIL, PSY, REL, SPAN, SOC, SPCH.

C. Free Electives (28 hours)

D. Concentration Requirements (27 hours)

Complete 27 credit hours in this concentration with the following criteria:

1. At least 21 credits must be at the 300- or 400-level.
2. Concentration proposal rationale must be approved by program coordinator and department chair.
3. Up to 18 credit hours can be used from the following disciplines: ACCT, BFIN, BMIS, BUAD, MRKT, MNGT.

Subtotal: 120

Curriculum for Interdisciplinary Studies

Curriculum Guide for Majors in Interdisciplinary Studies

Freshman Year

First Semester

	Natural Sciences and Mathematics - A	3
UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3
	Humanities and Fine Arts B	3

Second Semester

UNIV 120	Freshman Seminar II	1
ENGL 103	Composition II	3
	Social & Behavior Sciences B (1)	3
	Humanities and Fine Arts C	2
ENGL 201	World Literature I	3
	Information Literacy Course	3

Sophomore Year

First Semester

	Social & Behavior Sciences B (2)	3
	Natural Sciences and Mathematics - B	4
	Any Core Elective - 3	3
	Any Core Elective - 3	3
	Free Elective	2

Second Semester

	Intensive Writing Course	3
	Any Core Elective - 3	3
	Concentration Elective 3	3
	Concentration Elective 3	3
	Free Elective 2	2
	Physical Education Activity	1

Junior Year

First Semester

	Any Core Elective - 3	3
	Any Core Elective - 3	3
	Concentration Course - 3	3
	Concentration Course - 3	3
	Free Elective	3

Second Semester

INDS 300	Introduction to Interdisciplinary Studies	3
	Any Core Elective - 3	3
	Any Core Elective - 3	3
	Free Elective	3
	Free Elective	3

Senior Year

First Year

INDS 400	Capstone in Interdisciplinary Studies	3
	Concentration Course - 3	3
	Concentration Course - 3	3
	Free Elective	3
	Free Elective	3

Second Year

	Concentration Course - 3	3
	Concentration Course - 3	3
	Free Elective	3
	Free Elective	3
	Free Elective	3

Subtotal: 120

Criminal Justice, Minor

Curriculum

Required Courses (21 hours)

Minor Core Requirements (18 hours)

CJ 201	Introduction to Criminal Justice	3
CJ 204	Corrections	3
CJ 206	Police in American Society	3
CJ 311	Advanced Criminal Law and Jurisprudence	3
CJ 391	Criminological Theory	3
CJ 410	Prosecution and the Courts	3

Minor Core Electives (3)

Select 1 course from the list below.

CJ 208	Drugs, Alcohol and Crime to Substance Abuse	3
CJ 210	Juvenile Justice System	3
CJ 217	Violent Crimes to Victimology	3
CJ 312	Criminal Evidence	3
CJ 314	Criminal Procedure	3
CJ 381	Crime Myths and Moral Panic	3
CJ 400	Juvenile Delinquency	3
495	Special Topics	3
HMLS 215	Introduction to Homeland Security	3

Subtotal: 21

Juvenile Justice, Minor

Curriculum

Required Courses (21 hours)

Minor Core Electives (9 hours)

Please select 9 credits from the courses below.

CJ 217	Violent Crimes to Victimology	3
CJ 381	Crime Myths and Moral Panic	3
CJ 400	Juvenile Delinquency	3
PSY 250	Developmental Psychology	3
SOWK 205	Introduction to Social Work	3
SOWK 343	Social Work with Children	3
SOC 330	Sociology of Deviant Behavior	3

Minor Core Requirements (12 hours)

CJ 208	Drugs, Alcohol and Crime to Substance Abuse	3
CJ 210	Juvenile Justice System	3
PSY 320	Psychology of Social Behavior	3
SOWK 310	Advanced Interviewing and Intervention Skills	3

Subtotal: 21

Pre-Law, Minor

Curriculum

Required Courses (21 hours)

Minor Core Requirements (12 hours)

CJ 310	American Constitution Law	3
SPCH 314	Public Speaking	3
SPCH 316	Argumentation and Debate	3
POLS 200	Introduction to Political Science	3

Minor Core Electives (9 hours)

BUAD 241	Business Law	3
CJ 201	Introduction to Criminal Justice	3
CJ 312	Criminal Evidence	3
CJ 314	Criminal Procedure	3
COM 200	Interpersonal Communication	3
ENGL 322	Advanced English Grammar	3
ENGL 401	Technical Writing	3

Subtotal: 21

Sociology, Minor

Curriculum

Required Courses (18 hours)

Minor Core Requirements (15 hours)

SOC 201	Introduction to Sociology	3
SOC 202	Social Problems	3
SOC 385	Social Theory	3
SOC 412	Social Stratification	3
SOC 490	Sociology of Globalization	3

Minor Core Electives (3 credits)

Please select 1 course from the list below.

SOC 207	Race and Ethnic Relations	3
SOC 305	Sociology of the African-American	3
SOC 325	Sociology of Race and Crime	3
SOC 330	Sociology of Deviant Behavior	3
SOC 391	Sociology of Terrorism	3

Subtotal: 21

Sociology Degree Program

THIS PROGRAM HAS BEEN DISCONTINUED EFFECTIVE FALL 2019. STUDENTS CAN NO LONGER ENROLL IN THIS PROGRAM.

MISSION OF THE SOCIOLOGY PROGRAM:

The Mission of the Sociology Program at ECSU is to prepare students to be competitive in a global marketplace by teaching the critical thinking skills, theoretical perspectives, and research methods needed to analyze their social world. After completion of this program, students will be prepared to pursue graduate

study in the field and to apply their skills to careers in sociology, business, education, nonprofit management, law, social services, and the media.

GOALS OF THE SOCIOLOGY PROGRAM:

1. Prepare students for graduate studies in the discipline of sociology and other related fields;
2. Provide majors a learning experience through academic coursework, educational activities, research, and community service.

SOCIOLOGY PROGRAM POLICIES:

1. Students must earn a "C" or higher in major core courses;
2. Students must complete all Liberal Arts and General Education courses;
3. Students will not receive course credit for employment or work experiences.

Sociology, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Core Requirements (45 hours)

SOC 201	Introduction to Sociology	3
SOC 202	Social Problems	3
SOC 346	Social Statistics	3
SOC 297	Social Research Methods	3
SOC 305	Sociology of the African-American	3
SOC 306	Urban Sociology	3
SOC 325	Sociology of Race and Crime	3
SOC 360	Social Psychology	3
SOC 385	Social Theory	3
SOC 401	The Family	3
SOC 412	Social Stratification	3
SOC 490	Sociology of Globalization	3
SOC 481	Population	3
SOC 488	Seminar in Sociology	3

B. Core Electives

Select 6 hours from the courses below.

SOC 350	Sociology of Media	3
SOC 304	Sociology of Gender	3
SOC 330	Sociology of Deviant Behavior	3
SOC 391	Sociology of Terrorism	3
SOC 371	Digital Sociology	3

C. Related Required Courses (6 hours)

HIST 255	American History to 1877	3
HIST 256	American History Since 1877	3

Related Elective Courses (6 hours)

Select 6 hours from the courses below.

CJ 210	Juvenile Justice System	3
ECON 201	Principles of Economics I	3
POLS 298	American National Government	3
SOWK 395	Women and Religion	3

F. Free Electives (22 hours)

Subtotal: 120

Curriculum Guide for Majors in Sociology

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
HLTH 185	Health Concepts	2
	Humanities and Fine Arts A	3
	Social & Behavior Sciences A	3
	Free Elective	3
		Subtotal: 15

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences B (1)	3
	Humanities and Fine Arts C	2
	Natural Sciences and Mathematics - A	3
	Free Elective	3
		Subtotal: 15

Sophomore Year

First Semester

HIST 255	American History to 1877	3
SOC 201	Introduction to Sociology	3
	Humanities and Fine Arts B	3
	Social & Behavior Sciences B (2)	3
	Related Area Elective 3	3
		Subtotal: 15

Second Semester

HIST 256	American History Since 1877	3
SOC 202	Social Problems	3
	Natural Sciences and Mathematics - B	4
	Related Area Elective 3	3
	Physical Education Activity	1
	Free Elective	3
		Subtotal: 15

Junior Year

First Semester

SOC 346	Social Statistics	3
SOC 305	Sociology of the African-American	3
SOC 306	Urban Sociology	3
	Major Requirements Core Elective 1	3
		Subtotal: 15

Second Semester

SOC 360	Social Psychology	3
SOC 297	Social Research Methods	3
SOC 325	Sociology of Race and Crime	3
SOC 385	Social Theory	3
	Major Requirements Core Elective 2	3
		Subtotal: 15

Senior Year

First Semester

SOC 401	The Family	3
SOC 412	Social Stratification	3
SOC 490	Sociology of Globalization	3
	Free Elective	3

Free Elective 3
Subtotal: 15

Second Semester

SOC 481	Population	3
SOC 488	Seminar in Sociology	3
	Free Elective	3
	Free Elective	3
	Free Elective	3
		Subtotal: 15

Subtotal: 120

DEPARTMENT OF VISUAL AND PERFORMING ARTS

The Department of Visual and Performing Arts provides both a solid educational background and a supportive environment for those students who seek professional careers in music or graphic design. It does this while providing courses that ensure all university students have a well-balanced education -- one that includes both the arts and the sciences. The Department offers a Bachelor of Science degree in Graphic Design and a Bachelor of Arts degree in Music.

Graphic Design, B. S.

MISSION STATEMENT

The Graphic Design program seeks to provide a solid education to prepare students for opportunities in professional careers and/or graduate school. The department provides a baccalaureate-level sequence of study that leads to a Bachelor of Science in Graphic Design. Mirroring the mission of the university, the Graphic Design program also supports ECSU's liberal arts program by providing a challenging and supportive environment for learning.

GOALS

1. The primary goal of the Graphic Design program is to provide students with the knowledge and skills necessary to pursue career opportunities or graduate study in graphic design.
2. In support of the University's liberal arts program, the department seeks to provide engaging courses in art for students majoring in other fields of study.

3. In concert with the mission of the university to prepare our graduates for leadership roles in the community that will facilitate economic growth, we further seek to engage the community around us through active partnering in civic and entrepreneurial projects over the span of the four-year experience at ECSU.

4. As an extension of the outreach of ECSU, the program also endeavors to provide enriching experiences in the visual arts for Elizabeth City State University students, faculty, and citizens of the Albemarle region at large.

OBJECTIVES

The objectives are as follows:

1. to provide graphic design students with a comprehensive education that establishes a solid foundation in graphic design, art history, and art theory, as well as opportunities to exhibit their work and otherwise engage the community at large.
2. to serve students who seek an overview of graphic design and art history as part of their general education.
3. to support the University's community outreach initiatives by hosting a variety of art exhibitions, guest lecturers, and workshops.
4. to provide students with an atmosphere that supports the creative process by providing adequate facilities and equipment, theoretical and practical experience, individualized instruction, and thorough advisement.

ADMISSION REQUIREMENTS

All students seeking to major in graphic design must first gain admission to Elizabeth City State University by applying through the Office of Admissions.

ACADEMIC EXPECTATIONS

Students are required to compile a portfolio and participate in the annual portfolio review to determine if adequate progress is being made. All students are expected to proceed through the required sequence of

courses and are required to achieve a grade of "C" or better in courses in all ART and ARTH courses.

ANNUAL PORTFOLIO REVIEW

Students seeking a B.S. in Graphic Design are required to submit a portfolio for review during the Spring semester of their freshman, sophomore and junior year in the program.

SENIOR SHOW/PORTFOLIO

Students seeking a B.S. in Graphic Design are required to mount a senior show and assemble a portfolio showcasing work that represents the student's unique style and demonstrates overall artistic skills and abilities.

STUDENT INTERNSHIPS

The Graphic Design program has an active internship program that provides students with opportunities to work with local businesses and arts organizations.

Curriculum

A. General Education Core (35 hours)

B. Major Core Requirements (60 hours)

1. Core Courses (54 hours)

ART 100	Art Foundations	3
ART 101	Introduction to Media Arts	3
ART 102	Drawing I	3
ART 103	Drawing II	3
ART 201	Visual Information Architecture	3
ART 202	Branding and Packaging Design	3
ART 210	Typography I	3
ART 301	Interactive Design	3
ART 302	Visual Systems	3
ART 310	Typography II	3
ART 340	Photography I	3
ART 341	Photography II	3
ART 400	Advanced Studio I	3
ART 406	Internship in Art (A, G, M & T)	3
ART 409	Senior Portfolio/Show	3
ART 498	Graphic Design Applied Theory	3
ART 499	Graphic Design Seminar	3
ARTH 217	History of Graphic Arts	3

2. Core Electives (6 hours)

Select 6 credit hours from the courses below.

ART 111	Three-Dimensional Design	3
ART 220	Painting I	3
ART 221	Painting II	3
ART 230	Sculpture I	3
ART 231	Sculpture II	3
ART 260	Printmaking I	3
ART 333	Imaging I	3

ART 350	Ceramics I	3
ART 351	Ceramics II	3
ART 376	Glass I	3
ART 380	3D Animation	3
ART ART 381	3D Computer Animation II	3
ART 401	Advanced Studio II	3
ART 402	Advanced Studio III	3
ART 345	Film Theory and Production	3
ART 403	Advanced Studio IV	3
ART 446	Short Film Production	3
ART 485	Arts Management	3
ART 490	Fibers	3
ART 490	Fibers	3

C. Related Area Courses (12 hours)

Related Courses 6 credit hours

ARTH 315	African American Art	3
ARTH 317	Nineteenth-Century Art	3
ARTH 318	Twentieth-Century Art	3
ARTH 416	Theory of Contemporary Art and Design	3

E. Free Electives (13 hours)

Subtotal: 120

Curriculum Guide for Major in Graphic Design

Freshman Year

First Semester

ART 100	Art Foundations	3
ART 102	Drawing I	3
HLTH 185	Health Concepts	2
ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
	Social & Behavior Sciences A	3
		Subtotal: 15

Second Semester

ART 101	Introduction to Media Arts	3
ART 103	Drawing II	3
ENGL 103	Composition II	3
MATH 114	Math for Liberal Arts	3
	OR	
MATH 115	College Algebra	3
	Social & Behavior Science Elective	3
UNIV 120	Freshman Seminar II	1
		Subtotal: 16

Sophomore Year

First Semester

ART 201	Visual Information Architecture	3
ART 210	Typography I	3
ENGL 201	World Literature I	3
	Physical Education Activity	1
	Humanities and Fine Arts C	2
	Natural Sciences and Mathematics - B	4
		Subtotal: 16

Second Semester

ART 202	Branding and Packaging Design	3
	Social Behavioral Science	3
ARTH 217	History of Graphic Arts	3
	Humanities and Fine Arts B	3
	Free Elective I	3

Subtotal: 15

Junior Year

First Semester

ART 301	Interactive Design	3
ART 340	Photography I	3
ART 310	Typography II	3
	Related Course	3
	Related Course	3
		Subtotal: 15

Second Semester

ART 302	Visual Systems	3
ART 341	Photography II	3
	Related Course	3
	Related Course	3
	Free Elective 1	1
ART 333	Imaging I	3
		Subtotal: 16

Senior Year

First Semester

ART 498	Graphic Design Applied Theory	3
ART 400	Advanced Studio I	3
ART 406	Internship in Art (A, G, M & T)	3
	Free Elective 3	3
	Free Elective 4	3
		Subtotal: 15

Second Semester

ART 499	Graphic Design Seminar	3
	Free Elective 5	3
	Free Elective 6	3
ART 409	Senior Portfolio/Show	3
		Subtotal: 12

ART 406: Graphic Design Intern

Subtotal: 120

Film and Animation Minor

Degree Requirements

Requirements List

It is recommended that students who wish to take this minor consult with the art faculty to determine if they should take ART 101 Introduction to Media Arts or ART 102 Drawing I.

ART 101	Introduction to Media Arts	3
	OR	
ART 102	Drawing I	3
ART 341	Photography II	3
ART 380	3D Animation	3
ART ART 381	3D Computer Animation II	3
ART 446	Short Film Production	3
		Subtotal: 18

Music

The Music program is fully accredited by the National Association of Schools of Music (NASM). In accordance with the mission of Elizabeth City

State University (ECSU), the music program strives not only to create an aesthetic and practical environment that is conducive to learning, but also one committed to the delivery of a quality education to its diverse student body.

MISSION STATEMENT

The Music program provides students with opportunities that lead to a Bachelor of Arts degree in Music with concentrations in: Music Education Licensure, Composition, Performance, Music Business, Sound Recording. For students interested in music within a liberal arts context, the B.A. Music is an option. The Music program works to equip each student with the essential tools to become proficient in their area of concentration and to participate in a number of activities for cultural enrichment within Northeastern North Carolina.

GOALS

The goals of the program support the mission and goals of the institution:

1. To prepare students for professional careers in music and for graduate study.
2. To support the University's community outreach initiatives by providing performance opportunities and other enriched musical experiences, on-and-off campus.
3. To support the University's Liberal Arts curriculum by offering music courses to enhance musicianship.
4. To increase each student's comprehensive knowledge and abilities by building a stronger foundation in music theory, aural skills, music history, applied and ensemble skills, music technology and awareness of diverse cultures.

OBJECTIVES

Students will be able to:

- Perform proficiently on a selected instrument of study and perform with an ensemble group(s).
- Obtain and apply comprehensive knowledge of music theory and essential aural skills in completing various classroom assignments.
- Obtain and apply comprehensive knowledge of music history representing various eras and styles in completing various classroom assignments.

- Complete a capstone project implementing a synthesis of music knowledge combined with critical thinking and creative skills.
- Utilize music technology to enhance learning.

MUSIC DEGREE PROGRAM WITH CONCENTRATIONS

B.A. in Music with a concentration in Composition, Performance:

The program provides an education for students who have an interest in either music, performance or composition. This program provides students with experiences that are essential for graduate study and/or professional careers in the arts as performers, private instructors, and/or other arts-related vocations.

B.A. in Music (Music Education Licensure):

The program offers licensure preparation in music for grades K-12. It provides a foundation for students who seek to become teachers or pursue graduate study.

B.A. in Music with a concentration in Music Business or Sound Recording Technology:

The program provides a broad liberal arts education for students interested in diverse fields within the music industry.

ADMISSION REQUIREMENTS

All students seeking to major or minor in music must first gain admission to ECSU by applying through the Office of Admissions. Following admission to the University, prospective music majors must complete and pass an audition and take the Music Theory Placement Exam (MTPE). The audition is used as a diagnostic tool by the Music Department faculty to determine the skill level of prospective students. Students who are not at the collegiate performance level may be accepted provisionally. Students are given two semesters to successfully complete an audition at the college level. Students with deficiencies in theory are placed in a rudimentary theory course. Upon passing the MTPE, students advance to the first college-level theory course. Students admitted provisionally to the Department have one year to be classified at Performance Level 1. Students who do not progress to Performance Level 1 will not be accepted into the program. Music students must earn a 2.0 G.P.A in music classes by the end of

the sophomore year to stay in the music program. Music students admitted into the Teacher Education Program must maintain the required G.P.A. designated by this program.

AUDITIONS

All prospective students must audition before being accepted into a program of study. Auditions occur before a panel of faculty. Each student must perform works from the standard repertoire for their voice/instrument and demonstrate a level of proficiency in music reading. Students who successfully pass their auditions are enrolled in applied lessons. Individual instruction is available in piano, voice, woodwinds, brass, percussion, and strings. Audition procedures are the same for those students who wish to minor in music.

NON-MUSIC MAJORS

Non-music majors are permitted to register for applied music if the applied instructor has availability. Priority for enrollment is given to Music majors. Students are required to purchase music and other accessories as needed for their instruction.

All students regardless of degree program may take classes authorized by the program.

ENSEMBLES

Ensembles contribute to the education of students, cultivate an overall understanding of music, and promote teamwork among students. They provide an understanding of environmental and cultural diversity through performances as they strengthen our community.

Students majoring in music, regardless of concentration, are required to participate in a large ensemble for six semesters. Ensemble directors will address sight-reading and good performance practices. All ensemble classes are available to non-music majors; however, students must audition for acceptance into an ensemble. One semester of Marching Band satisfies the one General Education Physical Activity requirement.

- Performing on their main instrument of study, wind instrumentalists and percussionists may choose between Marching Band, Wind Ensemble, Collegians Jazz Ensemble and Symphony Orchestra.

- Voice students must participate in one of the program's large choral groups. Voice students may participate in a small ensemble in which they gain experience with various singing styles and techniques.
- Piano students must enroll in an ensemble in which they perform mostly on the piano. Most piano majors select choir as their main ensemble. However ensembles may include Orchestra, Jazz Ensemble, etc. Piano majors may enroll in additional semesters of Piano Accompanying to satisfy this requirement.
- String students must enroll in an ensemble in which they gain experience performing on a string instrument. The symphony orchestra is the required ensemble. For an elective or small ensemble, string majors can include Jazz Ensemble, String chamber, etc.
- Guitar majors may enroll in the Collegians Jazz Ensemble to complete the large ensemble requirement. In addition to large ensemble requirements, music majors in the licensure program must also register for a small ensemble course.

Ensemble and applied music courses may be repeated for credit. Large ensembles include the University Choir, Marching Band, Collegians Jazz Ensemble, Symphonic Wind Ensemble, and Symphony Orchestra. Small ensembles include the Collegians Jazz Ensemble, Choral Ensemble, University Basketball Band, Brass Ensemble, Woodwind Ensemble, String Chamber Ensemble, and Percussion Ensemble. Pianists may choose to register for additional credits (beyond the minimum requirements) in Piano Accompanying.

PERFORMANCE LEVELS

All music students are required to advance through the established performance levels to show progress on an instrument of study. Students not meeting the required performance level by the end of the sophomore year will not be allowed to continue in the music program. The Music Student Handbook contains the suggested performance repertoire for each instrument and performance level.

PERFORMANCE REQUIREMENTS

Students with a concentration in Performance are required to perform a Junior Recital (Junior status = 60 credit hours) of 25-30 minutes of music, and a Senior Recital (Senior status = 90 credit hours) of approximately 45-50 minutes of music. Students majoring in Music with Education Licensure are required to perform only on a Senior Recital. The music program will stipulate specific requirements for the Senior Recital in meeting State Education Standards. All music majors taking applied lessons must perform a solo work once each semester for a student recital assessment. Students must also perform at the end of the semester for the jury assessment. The applied teacher will determine if additional performances are required during a given semester.

PIANO PROFICIENCY

This is a diagnostic tool to determine aptitude in performance and sight-reading at the keyboard. Music majors will enroll in two class piano courses: MUS 110-MUS 111 and take the piano proficiency exam at the end of MUS 111. Music students who do not pass piano proficiency must enroll in MUS 112 and MUS 113. Students may retake the test to complete piano proficiency. Applied piano, pending availability, may substitute for class piano.

SENIOR PROJECTS

Students concentrating in Music Business and Sound Recording are required to complete a Senior Project. The project is assessed by a committee of faculty members. Students concentrating in Composition are required to complete a capstone project that may entail a senior recital one hour in length of original works or a composition representing significant contribution to a performance of a large or chamber ensemble. Students in the music (general) degree program may elect to either complete a recital or senior project.

RECITAL ATTENDANCE

All Music students must pass six semesters of recital attendance with a grade of "P". The Department Chair will determine recital attendance credit for transfer students on a case by case basis.

TEACHER EDUCATION

Music Education licensure students must be formally admitted into the Teacher Education Program, following requirements listed on the Teacher Education website (<http://tep.ecsu.edu/>) and in the ECSU Catalog. Students will work with the music education instructor/coordinator and with teacher education personnel to ensure eligibility and successful continuance in the program.

STUDENT INTERNSHIPS

Students who choose to apply for a music internship must work with their instructor in preparing and finalizing the necessary paperwork. Students seeking to participate in a long distance internship must gain written approval by the instructor and Department Chair.

STUDENT TEACHING

Music Education Licensure students must work with the University Music Supervisor and the Teacher Education Program for completion of duties and assignments.

SCHOLARSHIPS

For information regarding scholarships, please contact the Department Chair and the appropriate ensemble director (bands, choir, jazz, and orchestra).

All prospective music graduates will be required to take the major field test in music.

All music students, in either the major or minor program, must earn a grade of "C" or better in all music classes.

General Music, B.A.

Curriculum

A. Required General Studies Courses - 35 Credits

MUS 212	The African American in Music	2
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B. Major Requirements - 37 Credits

Core Courses - 25 Credits

MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS 111	Piano Class for Beginners II	1
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1

MUS 208	Music Theory III: Chromatic Harmony	2
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS 305	Music History I - Early through Classical	3
MUS 306	Music History II - Classical to Contemporary	3
MUS 307	A Study of Non-Western Music	1
MUS 309	Form And Analysis	3
MUS 400	Senior Recital/Project	1

Core Course II

Complete 6 semesters of Recital Attendance. This course can be repeated.

MUS 101	Student Recitals	
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Core Electives - 12 Credits

Applied - 5 Credits

MUSA 311-394	Applied Music	1 or 2
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Large Ensembles - 6 Credits

MUS 200	University Marching Band	0 or 1
MUS 201	University Concert Band	0 or 1
MUS 260	Orchestra	0-1
MUS 300	University Choir	0 or 1
MUS 401	University Symphonic Wind Ensemble	0 or 1

Small Ensemble - 1 Credit

MUS 015	University Basketball Band	0 or 1
MUS 210	Brass Ensemble	0 or 1
MUS 220	Woodwind Ensemble	0 or 1
MUS 221	String Chamber Ensemble	1
MUS 230	Percussion Ensemble	0 or 1
MUS 240	Collegians (Jazz Ensemble)	0 or 1
MUS 310	Choral Ensemble	0 or 1
MUS 429	Piano Accompanying	1

C. Related Courses - 9 Credits

MUSA 311-394	Applied Music	1 or 2
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D. Concentration Requirements - 16 Credits

Concentration Core - 6 Credits

MUS 123	Voice Class	1
MUS 231	String Class	1
MUS 338	Conducting	1
MUS 345	Brass Class	1
MUS 346	Woodwind Class	1
MUS 347	Percussion Class	1

Applied voice students substitute MUS 126 for MUS 123.

Concentration Electives - 10 Credits

Select 10 credit hours from courses that begin with the prefix MUS or MUSA.

E. Free Electives - 23 Credits

Special note: Guitar may enroll in the Collegians Jazz Ensemble to complete the large ensemble requirement.

Special note: All students must earn a C or better in all courses listed in sections B and D above.

Subtotal: 120

Curriculum Guide: B.A. in Music (General)

Freshman Year

First Semester

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS Ensemble	(Small or Large)	1
MUSA 311-394	Applied Music	1 or 2
ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
	Natural Sciences and Mathematics - A	3
PE	Any PE course	1
		Subtotal: 15

Second Semester

MUS 101	Student Recitals	
MUS 104	Aural Skills II	1
MUS 109	Music Theory II: Diatonic Harmony	2
ENGL 103	Composition II	3
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
HLTH 185	Health Concepts	2
MUS 111	Piano Class for Beginners II	1
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences A	3
		Subtotal: 16

Sophomore Year

First Semester

MUS 101	Student Recitals	
MUS 203	Aural Skills III	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 231	String Class	1
ENGL 201	World Literature I	3
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
MUS 212	The African American in Music	2
MUS	Music Electives	2
		Subtotal: 15

Second Semester

MUS 101	Student Recitals	
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
	Humanities and Fine Arts B	3
	Natural Sciences and Mathematics - B	4
	Free Elective 3	3
MUS 338	Conducting	1
MUS 347	Percussion Class	1
		Subtotal: 16

Junior Year

First Semester

MUS 101	Student Recitals	
MUS 305	Music History I - Early through Classical	3
MUS 346	Woodwind Class (Small or Large)	1
MUS Ensemble	Applied Music	1 or 2
MUSA 311-394	(Small or Large)	1
MUS Ensemble	Music Elective	1
MUS	Social & Behavior Sciences B (1)	3
	Free Elective 3	3
		Subtotal: 15

Second Semester

MUS 101	Student Recitals	
MUS 306	Music History II - Classical to Contemporary	3
MUS 309	Form And Analysis	3
MUSA 311-394	Applied Music (Small or Large)	1 or 2
MUS Ensemble	Social & Behavior Sciences B (2)	3
	Free Elective	3
MUS 347	Percussion Class	1
		Subtotal: 16

Senior Year

First Semester

MUS 307	A Study of Non-Western Music	1
MUSA 311-394	Applied Music	1 or 2
	Free Elective 3	3
	Free Elective 4	3
	Free Elective 5	3
MUS	Music Electives	2
		Subtotal: 14

Second Semester

MUS 400	Senior Recital/Project	1
MUS	Music Electives	2
MUS	Music Electives	3
	Free Elective 6	3
	Free Elective 7	3
	Free Elective 1	1
		Subtotal: 13

Subtotal: 120

Music - Concentration in Composition, B.A.

Curriculum

A. Required General Studies Courses - 35 Credits

MUS 212	The African American in Music	2
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B. Major Requirements - 37 Credits

Core Courses - 25 Credits

MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS 111	Piano Class for Beginners II	1
MUS 203	Aural Skills III	1

MUS 204	Aural Skills IV	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS 305	Music History I - Early through Classical	3
MUS 306	Music History II - Classical to Contemporary	3
MUS 307	A Study of Non-Western Music	1
MUS 309	Form And Analysis	3
MUS 400	Senior Recital/Project	1

Core Course II

Complete 6 semesters of Recital Attendance. This course can be repeated.

MUS 101	Student Recitals	
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Core Electives - 12 Credits

Applied - 5 Credits

MUSA 311-394	Applied Music	1 or 2
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Large Ensembles - 6 Credits

MUS 200	University Marching Band	0 or 1
MUS 201	University Concert Band	0 or 1
MUS 260	Orchestra	0-1
MUS 300	University Choir	0 or 1
MUS 401	University Symphonic Wind Ensemble	0 or 1

Small Ensemble - 1 Credit

MUS 015	University Basketball Band	0 or 1
MUS 210	Brass Ensemble	0 or 1
MUS 220	Woodwind Ensemble	0 or 1
MUS 221	String Chamber Ensemble	1
MUS 230	Percussion Ensemble	0 or 1
MUS 240	Collegians (Jazz Ensemble)	0 or 1
MUS 310	Choral Ensemble	0 or 1
MUS 429	Piano Accompanying	1

D. Concentration Requirements - 28 Credits

Concentration Core - 11 Credits

MUS 123	Voice Class	1
MUS 231	String Class	1
MUS 308	Tonal Counterpoint	3
MUS 312	Orchestration	2
MUS 338	Conducting	1
MUS 345	Brass Class	1
MUS 346	Woodwind Class	1
MUS 347	Percussion Class	1

Concentration Core II - 10 Credits

Complete 10 credit hours of MUSA 365. MUSA 365 may be repeated.

MUSA 365	Applied Composition	2
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Concentration Electives - 7 credits

Select 7 credits from courses that begin with the prefix MUS or MUSA.

E. Free Electives - 20 Credits

All music students must earn a "C" or better in all music classes.

If students are not enrolled in Marching Band, they must register for one P.E. class to meet the general studies requirement.

**Piano students may enroll in accompanying if offered.*

Subtotal: 120

Curriculum Guide: B.A. in Music with Concentration in Composition

Freshman Year

First Semester

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 110	Piano Class for Beginners I	1
MUSA 311-394	Applied Music	1 or 2
ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
PE	Any PE course	1
	Social & Behavior Sciences B (1)	3
		Subtotal: 14

Second Semester

MUS 101	Student Recitals	
MUS 104	Aural Skills II	1
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 111	Piano Class for Beginners II	1
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3
		Subtotal: 15

Sophomore Year

First Semester

MUS 101	Student Recitals	
MUS 203	Aural Skills III	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 212	The African American in Music	2
MUSA 311-394	Applied Music	1 or 2
MUSA 365	Applied Composition	2
MUS Ensemble	(Small or Large)	1
	Natural Sciences and Mathematics - A	3
	Humanities and Fine Arts A	3
		Subtotal: 16

Second Semester

MUS 101	Student Recitals	
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUSA 365	Applied Composition	2
MUS Ensemble	(Small or Large)	1
	Natural Sciences and Mathematics - B	4
	Social & Behavior Sciences B (2)	3

Humanities and Fine Arts B 3
Subtotal: 16

Junior Year

First Semester

MUS 101	Student Recitals	
MUS 305	Music History I - Early through Classical	3
MUS 307	A Study of Non-Western Music	1
MUS 308	Tonal Counterpoint	3
MUS 312	Orchestration	2
MUS 346	Woodwind Class	1
MUSA 365	Applied Composition	2
MUS Ensemble	(Small or Large)	1
MUS	Music Electives	2
MUS 123	Voice Class	1
		Subtotal: 16

Second Semester

MUS 101	Student Recitals	
MUS 306	Music History II - Classical to Contemporary	3
MUS 309	Form And Analysis	3
MUS 338	Conducting	1
MUS 345	Brass Class	1
MUSA 365	Applied Composition	2
MUS Ensemble	(Small or Large)	1
	Free Elective 3	3
MUS 347	Percussion Class	1
		Subtotal: 15

Senior Year

First Semester

MUS 231	String Class	1
MUSA 365	Applied Composition	2
MUS Ensemble	(Small or Large)	1
MUS Ensemble	(Small or Large)	1
	Free Elective 3	3
	Free Elective 4	3
	Free Elective 5	3
		Subtotal: 14

Second Semester

MUS 400	Senior Recital/Project	1
MUS	Music Electives	2
MUS	Music Electives	3
	Free Elective	2
	Free Elective 6	3
	Free Elective 7	3
		Subtotal: 14

Subtotal: 120

Special Note: Students must earn a grad of "C" or better in all courses listed under sections B and D, above.

Special Note: Students taking guitar as their primary applied instrument may enroll in MUS 240: Collegians Jazz Ensemble to complete the large ensemble requirement.

Music Education Licensure, B.A.

Instrumental Concentration

Piano Vocal Concentration

Vocal Concentration

Curriculum

A. Required General Studies Courses - 35 Credits

MUS 212 The African American in Music 2

B. Major Requirements - 37 Credits

Piano majors must select two hours of applied voice in lieu of MUS 110 and MUS 111

1. Core Courses - 25 Credits

MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS 111	Piano Class for Beginners II	1
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS 305	Music History I - Early through Classical	3
MUS 306	Music History II - Classical to Contemporary	3
MUS 307	A Study of Non-Western Music	1
MUS 309	Form And Analysis	3
MUS 400	Senior Recital/Project	1

Core Course II

Complete 6 semesters of Recital Attendance. This course can be repeated.

MUS 101 Student Recitals

2. Core Electives - 12 credits

Applied - 5 Credits

Select 5 credits from the courses below. MUSA courses below may be repeated.

MUSA 311-394 Applied Music 1 or 2

Piano majors must select MUSA 311.

Vocal majors must select MUSA 325.

Large Ensembles - 6 Credits

MUS 200	University Marching Band	0 or 1
MUS 201	University Concert Band	0 or 1
MUS 260	Orchestra	0-1
MUS 300	University Choir	0 or 1
MUS 401	University Symphonic Wind Ensemble	0 or 1

Small Ensemble - 1 Credit

Select 1 credit from the courses listed below.

MUS 015	University Basketball Band	0 or 1
MUS 210	Brass Ensemble	0 or 1
MUS 220	Woodwind Ensemble	0 or 1
MUS 221	String Chamber Ensemble	1
MUS 230	Percussion Ensemble	0 or 1
MUS 240	Collegians (Jazz Ensemble)	0 or 1
MUS 310	Choral Ensemble	0 or 1
MUS 429	Piano Accompanying	1

C. Related Required Courses - 4 Credits

Related Area Core Courses - 2 Credits

MUS 338	Conducting	1
MUS 446	Instrumental Techniques and Conducting	1
	or	
MUS 447	Choral Techniques and Conducting	1

Instrumental students must take MUS 446.

Voice students must take MUS 447.

Piano students may take either MUS 446 or MUS 447

Related Area Electives - 2 credits

Select two hours of ensembles from the courses listed below.

MUSA 311-394 Applied Music 1 or 2

D. Concentration Requirements - 35 Credits

Concentration Core - 33 Credits

MUS 123	Voice Class	1
MUS 126	Voice Diction	1
MUS 430	Piano Pedagogy	1
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC 360	Teaching and Assessment	3
EDUC 426	Music Methods in the Elementary School	2
EDUC 427	Music Methods in the Secondary School	2
EDUC 443	Observation and Supervised Teaching in Music	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F

Concentration Elective II- 1 Credit

MUS 231	String Class	1
	or	
MUS 347	Percussion Class	1

All students must either take MUS 347 or MUS 231.

Concentration Elective - 1 Credit

MUS 123	Voice Class	1
	or	
MUS 126	Voice Diction	1
	or	
MUS 430	Piano Pedagogy	1

Instrumental students must take MUS 123 instead of MUS 126 and MUS 430.

Voice students must take MUS 126 instead of MUS 123.
 Piano students must take either MUS 123, MUS 126 or MUS 430.

E. Free Electives - 9 Credits

Special Note: Students must earn a grade of "C" or better in all courses listed under sections B and C, above.

Special Note: Students taking guitar as their primary applied instrument may enroll in MUS 240: Collegians Jazz Ensemble to complete the large ensemble requirement.
 Subtotal: 120

Curriculum Guide: B. A. in Music (Music Education Licensure) Instrumental

Freshman Year

First Semester

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS 120	Introduction to Music Education	1
MUS	Ensemble	1
MUSA 311-394	Applied Music	1 or 2
ENGL 102	Composition I	3
MATH 115	College Algebra	3
UNIV 110	Freshman Seminar	1
		Subtotal: 14

Second Semester

MUS 101	Student Recitals	
MUS 104	Aural Skills II	1
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 111	Piano Class for Beginners II	1
MUSA 311-394	Applied Music	1 or 2
MUS	Ensemble	1
ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
HLTH 185	Health Concepts	2
	Social & Behavior Sciences B (1)	3
		Subtotal: 15

Sophomore Year

First Semester

MUS 101	Student Recitals	
MUS 203	Aural Skills III	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS	Ensemble	1
MUS 231	String Class	1
	or	
MUS 347	Percussion Class	1
MUSA 311-394	Applied Music	1 or 2
ENGL 201	World Literature I	3

PSY 212	General Psychology	3
	Humanities and Fine Arts B	3
		Subtotal: 15

Second Semester

MUS 101	Student Recitals	
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS 345	Brass Class	1
MUS	Ensemble	1
MUSA 311-394	Applied Music	1 or 2
EDUC 210	Professional Studies I: Introduction to Education	3
	Natural Sciences and Mathematics - B	4
PE	Any PE course	1
	Social & Behavior Sciences A	3
		Subtotal: 17

Junior Year

First Semester

MUS 101	Student Recitals	
MUS 212	The African American in Music	2
MUS 305	Music History I - Early through Classical	3
MUS 307	A Study of Non-Western Music	1
MUS 346	Woodwind Class	1
MUS	Ensemble	1
MUSA 311-394	Applied Music	1 or 2
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
	Free Elective 3	3
		Subtotal: 15

Second Semester

MUS 101	Student Recitals	
MUS 123	Voice Class	1
MUS 306	Music History II - Classical to Contemporary	3
MUS 309	Form And Analysis	3
MUS 312	Orchestration	2
MUS 338	Conducting	1
MUS	Ensemble	1
MUSA 311-394	Applied Music	1 or 2
EDUC 426	Music Methods in the Elementary School	2
	Free Elective 2	3
		Subtotal: 17

Senior Year

First Semester

MUSA 311-394	Applied Music	1 or 2
MUS 400	Senior Recital/Project	1
MUS 446	Instrumental Techniques and Conducting	1
MUS Ensemble	(Small or Large)	1
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC 360	Teaching and Assessment	3
EDUC 427	Music Methods in the Secondary School	2
	Free Elective 3	3
		Subtotal: 15

Instrumental students must register for MUS 446.

Vocal students must register for MUS 447.

Piano student may register for either MUS 446 or MUS 447.

Second Semester

EDUC 443	Observation and Supervised Teaching in Music	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F

Subtotal: 12

Subtotal: 120

Curriculum Guide: B. A. in Music (Music Education Licensure) Vocal

Freshman Year

First Semester

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS 120	Introduction to Music Education	1
MUS 300	University Choir	0 or 1
MUSA 311-394	Applied Music	1 or 2
ENGL 102	Composition I	3
MATH 115	College Algebra	3
UNIV 110	Freshman Seminar	1

Subtotal: 14

Second Semester

MUS 101	Student Recitals	
MUS 104	Aural Skills II	1
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 111	Piano Class for Beginners II	1
MUSA 311-394	Applied Music	1 or 2
ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
HLTH 185	Health Concepts	2
	Social & Behavior Sciences B (1)	3
MUS 300	University Choir	0 or 1

Subtotal: 15

Sophomore Year

First Semester

MUS 101	Student Recitals	
MUS 203	Aural Skills III	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 231	String Class	1
	or	
MUS 347	Percussion Class	1
MUS 300	University Choir	0 or 1
	Humanities and Fine Arts B	3
MUSA 311-394	Applied Music	1 or 2
	Humanities and Fine Arts A	3
	Social & Behavior Sciences B (1)	3
	Concentration Elective 1	1

Subtotal: 16

Second Semester

MUS 101	Student Recitals	
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS 300	University Choir	0 or 1
MUS 345	Brass Class	1
MUSA 311-394	Applied Music	1 or 2
EDUC 210	Professional Studies I: Introduction to Education	3
	Natural Sciences and Mathematics - B	4
PE	Any PE course	1
	Social & Behavior Sciences A	3

Subtotal: 17

Junior Year

First Semester

MUS 101	Student Recitals	
MUS 212	The African American in Music	2
MUS 300	University Choir	0 or 1
MUS 305	Music History I - Early through Classical	3
MUS 307	A Study of Non-Western Music	1
MUS 346	Woodwind Class	1
MUSA 311-394	Applied Music	1 or 2
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
	Free Elective 2	2

Subtotal: 16

Second Semester

MUS 101	Student Recitals	
MUS 300	University Choir	0 or 1
MUS 306	Music History II - Classical to Contemporary	3
MUS 309	Form And Analysis	3
MUS 312	Orchestration	2
MUS 338	Conducting	1
MUSA 311-394	Applied Music	1 or 2
EDUC 426	Music Methods in the Elementary School	2
	Free Elective 2	3
	Free Elective 1	1

Subtotal: 15

Senior Year

First Semester

MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
MUS 400	Senior Recital/Project	1
MUS 447	Choral Techniques and Conducting	1
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC 360	Teaching and Assessment	3
EDUC 427	Music Methods in the Secondary School	2
	Free Elective 3	3

Subtotal: 15

Instrumental students must register for MUS 446.

Vocal students must register for MUS 447.

Piano student may register for either MUS 446 or MUS 447.

Second Semester

EDUC 443	Observation and Supervised Teaching in Music	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
		Subtotal: 12

Subtotal: 120

Curriculum Guide: B. A. in Music (Music Education Licensure) Piano Vocal

Freshman Year

First Semester

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS 120	Introduction to Music Education	1
MUS 300	University Choir	0 or 1
MUSA 311-394	Applied Music	1 or 2
ENGL 102	Composition I	3
MATH 115	College Algebra	3
UNIV 110	Freshman Seminar	1
		Subtotal: 14

Second Semester

MUS 101	Student Recitals	
MUS 104	Aural Skills II	1
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 111	Piano Class for Beginners II	1
MUS 300	University Choir	0 or 1
MUSA 311-394	Applied Music	1 or 2
ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
HLTH 185	Health Concepts	2
	Social & Behavior Sciences B (1)	3
		Subtotal: 15

Sophomore Year

First Semester

MUS 101	Student Recitals	
MUS 203	Aural Skills III	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 231	String Class	1
	or	
MUS 347	Percussion Class	1
MUS 300	University Choir	0 or 1
MUSA 311-394	Applied Music	1 or 2
ENGL 201	World Literature I	3
PSY 212	General Psychology	3
	Humanities and Fine Arts B	3
		Subtotal: 16

Second Semester

MUS 101	Student Recitals	
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS 300	University Choir	0 or 1

MUS 345	Brass Class	1
MUSA 311-394	Applied Music	1 or 2
EDUC 210	Professional Studies I: Introduction to Education	3
	Natural Sciences and Mathematics - B	4
PE	Any PE course	1
	Social & Behavior Sciences A	3
		Subtotal: 17

Junior Year

First Semester

MUS 101	Student Recitals	
MUS 212	The African American in Music	2
MUS 300	University Choir	0 or 1
MUS 305	Music History I - Early through Classical	3
MUS 307	A Study of Non-Western Music	1
MUS 346	Woodwind Class	1
MUSA 311-394	Applied Music	1 or 2
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
	Free Elective 3	3
		Subtotal: 16

Second Semester

MUS 101	Student Recitals	
MUS 430	Piano Pedagogy	1
MUS 300	University Choir	0 or 1
MUS 306	Music History II - Classical to Contemporary	3
MUS 309	Form And Analysis	3
MUS 312	Orchestration	2
MUS 338	Conducting	1
MUSA 311-394	Applied Music	1 or 2
EDUC 426	Music Methods in the Elementary School	2
	Free Elective 2	3
		Subtotal: 17

Senior Year

First Semester

Piano student may register for either MUS 446 or MUS 447.

MUSA 311-394	Applied Music	1 or 2
MUS 400	Senior Recital/Project	1
MUS 446	Instrumental Techniques and Conducting	1
	or	
MUS 447	Choral Techniques and Conducting	1
MUS Ensemble	(Small or Large)	1
EDUC 350	Teaching Intermediate & Content Reading	3
EDUC 360	Teaching and Assessment	3
EDUC 427	Music Methods in the Secondary School	2
	Free Elective 3	3
		Subtotal: 15

Second Semester

EDUC 443	Observation and Supervised Teaching in Music	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F

Subtotal: 120

Academic Concentration in Music

Curriculum

Required Courses

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 203	Aural Skills III	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 305	Music History I - Early through Classical	3
MUS 306	Music History II - Classical to Contemporary	3
MUS 338	Conducting	1
MUS	Ensemble	2
MUSA	Applied Instrument	4
MUS	Music Electives	2

MUS 101: 2 semesters

Subtotal: 24

Music Licensure Only

Curriculum

Required Courses

MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 109	Music Theory II: Diatonic Harmony	2
MUS	Piano Classes or Proficiency	4
MUS 123	Voice Class	1
MUS 126	Voice Diction	1
MUS 212	The African American in Music	2
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS 231	String Class	1
MUS	Ensembles	6
MUS 305	Music History I - Early through Classical	3
MUS 306	Music History II - Classical to Contemporary	3
MUS 307	A Study of Non-Western Music	1
MUS 309	Form And Analysis	3
MUS 312	Orchestration	2
MUS 338	Conducting	1
MUS 345	Brass Class	1
MUS 346	Woodwind Class	1
MUS 347	Percussion Class	1
MUSA	Applied Music	14

Subtotal: 12

MUS 400 Senior Recital/Project 1

MUS 447 Choral Techniques and Conducting 1

MUS 446 Instrumental Techniques and Conducting 1

MUS Piano Classes (Piano Majors Only) 1

MUS Piano Classes or Proficiency: Students will be required to pass piano proficiency or take the piano class sequence consisting of four courses: MUS 110-MUS 113. Applied Piano may substitute for Class Piano.

MUS 123: Instrumental Only

MUS 126: Vocal Only

Piano Classes (Piano Majors Only): Piano Pedagogy, Piano Accompanying or Piano Literature may be selected.

Education Requirements 30 hours

EDUC 210 Professional Studies I: Introduction to Education 3

EDUC 310 Professional Studies II: Special Education & Diverse Learners 3

EDUC 350 Teaching Intermediate & Content Reading 3

EDUC 360 Teaching and Assessment 3

EDUC 426 Music Methods in the Elementary School 2

EDUC 427 Music Methods in the Secondary School 2

EDUC 443 Observation and Supervised Teaching in Music 12

EDUC 478 Seminar in Contemporary Educational Issues P/F

SPECIFIC INFORMATION

The Department Chair and/or music education coordinator will review prospective licensure-only students' transcripts. In addition, students will be required to complete a department assessment before being admitted into the Music Licensure-Only program. Based on the assessment, students will be advised to take specific courses as specified by program content need.

Twenty-four credit hours are required in the music content area. However, additional courses may be required pending the assessment of skills and content knowledge needed for teaching music. The Senior Recital is a requirement established by the music education licensure program. With the written approval of the applied teacher, applied lessons may be reduced with the completion of the Senior Recital.

Thirty education credit hours will be required for the professional education sequence of courses.

The Chair and/or music education coordinator may revise the music education licensure curriculum if

deemed necessary by accreditation requirements and/or the Department of Education, Psychology and Health.

Music - Concentration in Music Business, B.A.

Curriculum

A. General Studies Courses - 35 Credits

MUS 212	The African American in Music	2
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B. Major Requirements - 37 Credits

Core Courses - 25 Credits

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS 111	Piano Class for Beginners II	1
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS 305	Music History I - Early through Classical	3
MUS 306	Music History II - Classical to Contemporary	3
MUS 307	A Study of Non-Western Music	1
MUS 309	Form And Analysis	3
MUS 400	Senior Recital/Project	1

Core Course II

Complete 6 semesters of Recital Attendance. This course can be repeated.

MUS 101	Student Recitals	
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Core Electives - 12 Credits

Applied - 5 Credits

MUSA 311-394	Applied Music	1 or 2
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Large Ensembles - 6 Credits

MUS 200	University Marching Band	0 or 1
MUS 201	University Concert Band	0 or 1
MUS 260	Orchestra	0-1
MUS 300	University Choir	0 or 1
MUS 401	University Symphonic Wind Ensemble	0 or 1

Small Ensemble - 1 Credit

MUS 015	University Basketball Band	0 or 1
MUS 210	Brass Ensemble	0 or 1
MUS 220	Woodwind Ensemble	0 or 1
MUS 221	String Chamber Ensemble	1
MUS 230	Percussion Ensemble	0 or 1
MUS 240	Collegians (Jazz Ensemble)	0 or 1
MUS 310	Choral Ensemble	0 or 1
MUS 429	Piano Accompanying	1

C. Related Required Courses - Select 6 hours from the courses listed below.

MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BUAD 115	Introduction to Business	3
BUAD 241	Business Law	3
ACCT 210	Financial Accounting	3

D. Concentration Requirements - 25 Credits

Concentration Core - 18 Credits

MUS 115	Emerging Media in Audio	2
MUS 116	Introduction to Music Industry Studies	3
MUS 202	Arts Management	3
MUS 319	Music Merchandising & Marketing	3
MUS 417	Music Industry Internship	3
MUS 431	Music Business Seminar	3

Concentration Electives - Choose 7 credit hours from the list below.

Select 7 credit hours from courses that begin with the prefix MUS or MUSA.

E. Free Electives - 17 Credits

Special Note: Guitar may enroll in the Collegians Jazz Ensemble to complete the large ensemble requirement.

Special Note: All students must earn a C or better in all courses listed under sections B and D above.

Subtotal: 120

Curriculum Guide: B. A. in Music with Concentration in Music Business

Freshman Year

First Semester

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
MUS 110	Piano Class for Beginners I	1
HLTH 185	Health Concepts	2
	Natural Sciences and Mathematics	3
	- A	
		Subtotal: 15

Second Semester

MUS 101	Student Recitals	
MUS 111	Piano Class for Beginners II	1
MUS 104	Aural Skills II	1
MUS 109	Music Theory II: Diatonic Harmony	2
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
ENGL 103	Composition II	3
	Social & Behavior Sciences A	3
PE	Any PE course	1
UNIV 120	Freshman Seminar II	1

Sophomore Year

First Semester

MUS 101	Student Recitals	
MUS 203	Aural Skills III	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUSA 311-394	Applied Music (Small or Large)	1 or 2
MUS Ensemble	Natural Sciences and Mathematics - B	4
ENGL 201	World Literature I	3
	Social & Behavior Sciences B (1)	3

Subtotal: 14

Second Semester

MUS 101	Student Recitals	
MUS 115	Emerging Media in Audio	2
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUSA 311-394	Applied Music (Small or Large)	1 or 2
MUS Ensemble	Social & Behavior Sciences B (2)	3
	Humanities and Fine Arts B	3
	Free Elective	2

Subtotal: 15

Junior Year

First Semester

MUS 101	Student Recitals	
MUS 116	Introduction to Music Industry Studies	3
MUS 202	Arts Management	3
MUS 212	The African American in Music	2
MUS 305	Music History I - Early through Classical	3
MUSA 311-394	Applied Music (Small or Large)	1 or 2
MUS Ensemble	Free Elective	1

Subtotal: 15

Second Semester

MUS 101	Student Recitals	
MUS 306	Music History II - Classical to Contemporary	3
MUS 309	Form And Analysis	3
MUS 319	Music Merchandising & Marketing	3
MUS Ensemble	(Small or Large)	1
MUS Ensemble	(Small or Large)	1
MUS	Music Electives	2
	Free Elective	2

Subtotal: 15

Senior Year

First Semester

MUS 307	A Study of Non-Western Music	1
MUS 417	Music Industry Internship	3
MUS 431	Music Business Seminar	3
MUS	Music Electives	2
BUAD 115	Introduction to Business	3
	Free Elective 3	3

Subtotal: 15

Second Semester

MUS 400	Senior Recital/Project	1
MUS	Music Electives	3
BUAD 241	Business Law	3
	or	
MNGT 221	Principles of Management	3
	or	
MRKT 231	Principles of Marketing	3
	or	
ACCT 210	Financial Accounting	3
	Free Elective	3
	Free Elective	3
	Free Elective	3

Subtotal: 16

Subtotal: 120

Music - Concentration in Performance, B.A.

Curriculum

A. Required General Studies Courses - 35 Credits

MUS 212	The African American in Music	2
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B. Major Requirements - 38 Credits

Core Courses - 25 Credits

MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS 111	Piano Class for Beginners II	1
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS 305	Music History I - Early through Classical	3
MUS 306	Music History II - Classical to Contemporary	3
MUS 307	A Study of Non-Western Music	1
MUS 309	Form And Analysis	3
MUS 400	Senior Recital/Project	1

Core Course II

Complete 6 semesters of Recital Attendance. This course can be repeated.

MUS 101	Student Recitals
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Core Electives - 13 Credits

Applied - 6 Credits

MUSA 311-394	Applied Music	1 or 2
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Large Ensembles - 6 Credits

MUS 200	University Marching Band	0 or 1
MUS 201	University Concert Band	0 or 1
MUS 260	Orchestra	0-1
MUS 300	University Choir	0 or 1
MUS 401	University Symphonic Wind Ensemble	0 or 1

Small Ensemble - 1 Credit

MUS 015	University Basketball Band	0 or 1
MUS 210	Brass Ensemble	0 or 1
MUS 220	Woodwind Ensemble	0 or 1
MUS 221	String Chamber Ensemble	1
MUS 230	Percussion Ensemble	0 or 1
MUS 240	Collegians (Jazz Ensemble)	0 or 1
MUS 310	Choral Ensemble	0 or 1
MUS 429	Piano Accompanying	1

C. Related Required Courses - 9 Credit Hours

Select 8 credit hours from the courses listed below.

MUSA 311-394	Applied Music	1 or 2
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Select 1 credit hour from the ensemble courses listed below.

MUS 200	University Marching Band	0 or 1
MUS 201	University Concert Band	0 or 1
MUS 260	Orchestra	0-1
MUS 300	University Choir	0 or 1
MUS 401	University Symphonic Wind Ensemble	0 or 1

D. Concentration Requirements - 20 Credits

Concentration Core - 14 Credits

MUS 116	Introduction to Music Industry Studies	3
MUS 123	Voice Class	1
MUS 301	Junior Recital	1
MUS 319	Music Merchandising & Marketing	3
MUS 431	Music Business Seminar	3
MUS 438	Special Topics in Music with Emphasis in Performance	1-2
MUS 446	Instrumental Techniques and Conducting	1
MUS 447	Choral Techniques and Conducting	1

Concentration Electives - 6 Credits

Select 6 credit hours from courses that begin with the prefix MUS or MUSA.

E. Free Electives - 18 Credits

Special Note: Students must register for the same applied music based on their area of study.

Special Note: Piano students with advisement may register for piano pedagogy.

Special Note: Performance majors must register for related course within their discipline/concentration for core electives.

Curriculum Guide: B. A. in Music with Concentration in Performance

Freshman Year

First Semester

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS Ensemble	(Small or Large)	1

MUSA 311-394	Applied Music	1 or 2
UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
	Natural Sciences and Mathematics - A	3
		Subtotal: 16

Second Semester

MUS 101	Student Recitals	
MUS 104	Aural Skills II	1
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 111	Piano Class for Beginners II	1
MUS Ensemble	(Small or Large)	1
MUSA 311-394	Applied Music	1 or 2
UNIV 120	Freshman Seminar II	1
ENGL 103	Composition II	3
	Social & Behavior Sciences B (1)	3
PE	Any PE course	1
		Subtotal: 15

Sophomore Year

First Semester

MUS 101	Student Recitals	
MUS 116	Introduction to Music Industry Studies	3
MUS 203	Aural Skills III	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS Ensemble	(Small or Large)	1
MUSA 311-394	Applied Music	1 or 2
	Natural Sciences and Mathematics - B	4
	Social & Behavior Sciences B (1)	3
		Subtotal: 16

Second Semester

MUS 101	Student Recitals	
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS Ensemble	(Small or Large)	1
MUSA 311-394	Applied Music	1 or 2
	Humanities and Fine Arts A	3
	Humanities and Fine Arts B	3
	Social & Behavior Sciences A	3
MUS 212	The African American in Music	2
		Subtotal: 17

Junior Year

First Semester

MUS 101	Student Recitals	
MUS 307	A Study of Non-Western Music	1
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
MUS Ensemble	(Small or Large)	1
MUS 319	Music Merchandising & Marketing	3
MUS 123	Voice Class	1
MUS 305	Music History I - Early through Classical	3
	Free Elective 1	1
		Subtotal: 13

Second Semester

MUS 101	Student Recitals	
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MUS 301	Junior Recital	1
MUS 306	Music History II - Classical to Contemporary	3
MUS 309	Form And Analysis	3
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
	Free Elective	2
MUS	Music Electives	2
		Subtotal: 14

Senior Year**First Semester**

MUS 431	Music Business Seminar	3
MUS 438	Special Topics in Music with Emphasis in Performance	1-2
MUS 446	Instrumental Techniques and Conducting	1
MUS Ensemble	(Small or Large)	1
MUSA 311-394	Applied Music	1 or 2
	Free Elective 3	3
	Free Elective 3	3
	Free Elective 1	1
		Subtotal: 15

Second Semester

MUS 400	Senior Recital/Project	1
MUS	Music Electives	2
	Free Elective 4	3
	Free Elective 5	3
	Free Elective 1	1
	Free Elective 1	1
MUS 447	Choral Techniques and Conducting	1
MUS	Music Electives	2
		Subtotal: 14

All music students must earn a "C" or better. In lieu of vocal diction, student may opt to select MUS 125, MUS 231, MUS 357, MUS 345, MUS 346, MUS 347 or MUS 430.

Music students are encouraged to continue piano study via applied lessons.

Subtotal: 120

Music - Concentration in Sound Recording Technology, B.A.

Curriculum**A. General Studies Courses - 35 Credits**

MUS 212	The African American in Music	2
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B. Major Requirements - 37 Credits**Core Courses - 25 Credits**

MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 110	Piano Class for Beginners I	1
MUS 111	Piano Class for Beginners II	1
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1

MUS 208	Music Theory III: Chromatic Harmony	2
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUS 305	Music History I - Early through Classical	3
MUS 306	Music History II - Classical to Contemporary	3
MUS 307	A Study of Non-Western Music	1
MUS 309	Form And Analysis	3
MUS 400	Senior Recital/Project	1

Core Course II

Complete 6 semesters of Recital Attendance. This course can be repeated.

MUS 101	Student Recitals
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Core Electives - 12 Credits**Applied - 5 Credits**

MUSA 311-394	Applied Music	1 or 2
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Large Ensembles - 6 Credits

MUS 200	University Marching Band	0 or 1
MUS 201	University Concert Band	0 or 1
MUS 260	Orchestra	0-1
MUS 300	University Choir	0 or 1
MUS 401	University Symphonic Wind Ensemble	0 or 1

Small Ensemble - 1 Credit

MUS 015	University Basketball Band	0 or 1
MUS 210	Brass Ensemble	0 or 1
MUS 220	Woodwind Ensemble	0 or 1
MUS 221	String Chamber Ensemble	1
MUS 230	Percussion Ensemble	0 or 1
MUS 240	Collegians (Jazz Ensemble)	0 or 1
MUS 310	Choral Ensemble	0 or 1
MUS 429	Piano Accompanying	1

D. Concentration Requirements - 29 Credits**Concentration Core - 21 Credits**

MUS 115	Emerging Media in Audio	2
MUS 116	Introduction to Music Industry Studies	3
MUS 125	Introduction to the Recording Studio	3
MUS 254	Audio Engineering I	2
MUS 255	Audio Engineering II	2
MUS 321	Music Multimedia Applications	2
MUS 360	Digital Audio Technology	2
MUS 417	Music Industry Internship	3
MUS 454	Studio Production Seminar	2

Concentration Elective I - 1 credit

Choose one ensemble from the list below.

MUS 015	University Basketball Band	0 or 1
MUS 210	Brass Ensemble	0 or 1
MUS 220	Woodwind Ensemble	0 or 1
MUS 221	String Chamber Ensemble	1
MUS 230	Percussion Ensemble	0 or 1
MUS 240	Collegians (Jazz Ensemble)	0 or 1
MUS 310	Choral Ensemble	0 or 1
MUS 429	Piano Accompanying	1

Concentration Electives II - 7 Credit Hours

Select 7 credits from courses that begin with the prefix MUS or MUSA.

E. Free Electives - 19 Credits

Special Note: Students must earn a grade of "C" or better in all courses listed under sections B and C, above.

Special Note: Students taking guitar as their primary applied instrument may enroll in MUS 240: Collegians Jazz Ensemble to complete the large ensemble requirement.

Subtotal: 120

Curriculum Guide: B. A. in Music with Concentration in Sound Recording Technology

Freshman Year

First Semester

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 110	Piano Class for Beginners I	1
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
HLTH 185	Health Concepts	2
	Natural Sciences and Mathematics - A	3
		Subtotal: 15

Second Semester

MUS 101	Student Recitals	
MUS 104	Aural Skills II	1
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 111	Piano Class for Beginners II	1
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences A	3
PE	Any PE course	1
		Subtotal: 14

Sophomore Year

First Semester

MUS 101	Student Recitals	
MUS 203	Aural Skills III	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUSA 311-394	Applied Music	1 or 2
ENGL 201	World Literature I	3
MUS Ensemble	(Small or Large)	1
	Natural Sciences and Mathematics - B	4
	Social & Behavior Sciences B (1)	3
		Subtotal: 15

Second Semester

MUS 204	Aural Skills IV	1
MUS 212	The African American in Music	2
MUS 209	Music Theory IV: Chromatic And Post-Tonal Music	2
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
	Social & Behavior Sciences B (2)	3
	Humanities and Fine Arts B	3
MUS 101	Student Recitals	
MUS 115	Emerging Media in Audio	2
		Subtotal: 15

Junior Year

First Semester

MUS 101	Student Recitals	
MUS 116	Introduction to Music Industry Studies	3
MUS 254	Audio Engineering I	2
MUS 306	Music History II - Classical to Contemporary	3
MUSA 311-394	Applied Music	1 or 2
MUS Ensemble	(Small or Large)	1
MUS	Music Electives	2
MUS 125	Introduction to the Recording Studio	3
		Subtotal: 15

Second Semester

MUS 101	Student Recitals	
MUS 255	Audio Engineering II	2
MUS 306	Music History II - Classical to Contemporary	3
MUS 309	Form And Analysis	3
MUS 321	Music Multimedia Applications	2
MUS Ensemble	(Small or Large)	1
MUS Ensemble	(Small or Large)	1
	Free Elective	2
MUS	Music Elective	1
		Subtotal: 15

Senior Year

First Semester

MUS 360	Digital Audio Technology	2
MUS 307	A Study of Non-Western Music	1
MUS Ensemble	(Small or Large)	1
MUS 417	Music Industry Internship	3
MUS	Music Electives	2
	Free Elective 2	3
	Free Elective 3	3
	Free Elective 1	1
		Subtotal: 16

Second Semester

MUS 400	Senior Recital/Project	1
MUS 454	Studio Production Seminar	2
MUS	Music Electives	2
	Free Elective 4	3
	Free Elective 5	3
	Free Elective 6	3
	Free Elective 1	1
		Subtotal: 15

Students may register for three music electives in lieu of MUS 417 (Music Industry Studies).

Subtotal: 120

Music, Minor

Curriculum

Required Courses

MUS 101	Student Recitals	
MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I: Introduction To Functional Harmony	2
MUS 109	Music Theory II: Diatonic Harmony	2
MUS 203	Aural Skills III	1
MUS 208	Music Theory III: Chromatic Harmony	2
MUS 305	Music History I - Early through Classical	3
MUS 306	Music History II - Classical to Contemporary	3
MUS 338	Conducting	1
MUS	Ensemble	2
MUSA	Applied Instrument	4
MUS	Music Electives	2

MUS 101: 2 semesters

Subtotal: 24

SCHOOL OF SCIENCE AVIATION HEALTH AND TECHNOLOGY

The School of Science, Aviation, Health and Technology houses the following departments:

- Department of Aviation and Emergency Management
- Department of Health and Human Services
- Department of Mathematics, Computer Science and Engineering Technology
- Department of Natural Sciences

DEPARTMENT OF AVIATION AND EMERGENCY MANAGEMENT

The Department of Aviation and Emergency Management is an academic unit within Academic Affairs offering baccalaureate degree programs in Aviation Science and Emergency Management. The mission of the Department of Aviation and Emergency Management is to provide students with educational and research opportunities in an extensive array of rewarding professional careers in engineering, technology, aviation, and technical management by offering a rigorous curriculum to advance scholarship and promote excellence in emerging technologies. The Department of Aviation and Emergency Management offers degrees in :

Aviation Science with a Concentration in Air Traffic Control (p. 163)

The B. S. in Aviation Science with a concentration in ATC will prepare students with knowledge to apply for developmental positions with the Federal Aviation Administration and obtain necessary training to become a certified professional controller.

Aviation Science with a Concentration in Avionics (p. 166)

The B. S. in Aviation Science with a concentration in Avionics will prepare students with knowledge to analyze, repair, and maintain the sophisticated

communications, navigations, and cockpit instrument systems on today's technically advanced aircraft.

Aviation Science with a Concentration in Aviation Management (p. 165)

The B. S. in Aviation Science with a concentration in Aviation Management will prepare students for a variety of entry-level positions in the aviation industry, including airport management, airline management, general aviation management, and airline and general aviation operations.

Aviation Science with a Concentration in Flight Education (p. 167)

The B. S. in Aviation Science with a concentration in Flight Education will prepare students to become certified as commercial pilots, preparing them to serve as airline, corporate, or military pilots and/or professional aircrew.

Aviation Science with a Concentration in Unmanned Aircraft Systems (p. 170)

The B. S. in Aviation Science with a concentration in UAS will prepare students to enter into the workforce as professionals in the emerging field of unmanned aircraft systems where they can apply their knowledge and skills to many areas of societal need, i.e. agriculture, border security, public safety, infrastructure inspection, and many more.

Unmanned Aircraft Systems

The B.S. degree in Unmanned Aircraft Systems includes instruction in electronics/electrical systems; GPS/GIS; UA aircraft platforms; data acquisition; precision agriculture and surveying, software and hardware; and data management.

AVIATION SCIENCE PROGRAM

The Aviation Science Program is the only four-year collegiate aviation education program in the State of North Carolina. The mission of the Aviation Science Program is to provide quality aviation education to a diverse student body by offering specializations in

areas relevant to the highly competitive aerospace/aviation industry. Students who select Aviation Science as a major will complete the technical, managerial, and aviation courses that are necessary to fulfill the critical aviation personnel needs of local and state governments, the national government, business, and the aviation and aerospace industries. Graduates of the program will receive the Bachelor of Science degree in Aviation Science with a concentration in Aviation Management, Avionics, Air Traffic Control, Flight Education, or Unmanned Aircraft Systems. Majors must earn a grade of "C" or better in each required Aviation Science course.

OPPORTUNITIES FOR GRADUATES

Aviation Science

In just over hundred years since the inception of aviation, the world has become dependent on air transportation as a primary system for passenger conveyance and cargo movement. Air transportation has risen to this position because through the years, the men and women who have worked in the air transportation industry have applied the new techniques, technologies, and dedication to keep it ahead of its competition. All areas of aviation and aerospace are expanding. There continues to be a need for motivated individuals to fill the challenging aviation and aerospace positions with government and private industry. The aviation and space science areas of study offered by the Aviation Science Program are designed to educate and train students who want careers in these exciting and rewarding industries.

The Aviation Science Program prepares students for a variety of positions in both the aviation and aerospace industries. Some of these career areas include Airport Management, Air Traffic Control, Aviation Electronics Technology, Airline and Corporate Flight, Unmanned Aerial Systems as operators and program managers, Space Technology, Avionics, Radar Technology, Flight Instruction, Aviation Policy, and Aviation Entrepreneurship. These are a few of the many career areas for which Aviation Science students are preparing themselves.

TRANSFER STUDENTS

Transfer students from other accredited universities, community colleges, and the technical institutes may

be admitted to the Department with advanced standing. Specific course requirements for these students will be made on an individual basis after their previously earned credits have been assessed.

Aviation Science Program

(*Note: Students enrolled in flight courses will be assessed **an additional** flight lab fee (p. 171).)

The Aviation Science Program is the only four-year collegiate aviation education program in the State of North Carolina. The mission of the Aviation Science Program is to provide quality aviation education to a diverse student body by offering specializations in areas relevant to the highly competitive aerospace/aviation industry. Students who select Aviation Science as a major will complete the technical, managerial, and aviation courses that are necessary to fulfill the critical aviation personnel needs of local and state governments, the national government, business, and the aviation and aerospace industries. Graduates of the program will receive the Bachelor of Science degree in Aviation Science with a concentration in Aviation Management, Avionics, Flight Education, Unmanned Aircraft Systems, or Professional Aeronautics. Majors must earn a grade of "C" or better in each required Aviation Science course.

Aviation Science - Concentration in Air Traffic Control, B.S.

Curriculum

A. General Education courses (35 hours)

MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4
PHYS 181	General Physics I	3
	or	
PHYS 191	University Physics I	3
PHYS 181L	General Physics I Lab	1

B. Major Core Requirements (43hours)

1. Core Courses (37 hours)

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 250	Basic Aerodynamics and Flight Physics	3
AVI 260	Aviation Human Factors and Safety	3

AVI 270	Air Traffic Control and the National Airspace System	3
AVI 314	Aviation Meteorology	3
AVI 315	Aviation Legislation and Ethics	3
AVI 370	Aviation Research Methods and Statistics	3
AVI 411	Transition to the Aviation/Aerospace Industry	3
FLT 110	Private Pilot Ground	3
AVI 465	Aviation Capstone (Senior Project)	3

2. Core Electives (6 hours)

Select 6 credits from the subject areas below:

Any AVI 3 credit hour course

Any FLT 3 credit hour course

Any FLT 2 credit hour course

Any ATC 3 credit hour course

Any UAS 3 credit hour course

Any ENGT 3 credit hour course

Any ENGT 4 credit hour course

D. Air Traffic Control Concentration (30 hours)

BUAD 115	Introduction to Business	3
MNGT 221	Principles of Management	3
AVI 420	Crew Resource Management	3
AVI 430	Airport Planning and Management	3
ATC 200	Control Tower Operations	3
ATC 200L	Control Tower Operations Lab	3
ATC 250	Terminal Radar Operations Lab	3
ATC 250L	Terminal Radar Operations Lab	3
ATC 300L	Advanced Control Terminal Operations Lab	3
ATC 350L	Advanced Terminal Radar & Non Radar Operations Lab	3

E. Electives (12 hours)

Subtotal: 120

**Curriculum Guide for Majors in Aviation Science
with a Concentration in Air Traffic Control**

Freshman Year

First Semester

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
BUAD 115	Introduction to Business	3
	Social & Behavior Sciences A	3
	Subtotal: 16	

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
AVI 220	Air Transportation	3
AVI 260	Aviation Human Factors and Safety	3
	Social & Behavior Science Elective	3

Physical Education Activity	1
Subtotal: 14	

Sophomore Year

First Semester

MATH 118	Precalculus	3
ATC 200	Control Tower Operations	3
ATC 250	Terminal Radar Operations Lab	3
ENGL 201	World Literature I	3
AVI 230	Aviation Management	3
	Subtotal: 15	

Second Semester

	Humanities and Fine Arts C	2
PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
ATC 200L	Control Tower Operations Lab	3
ATC 250L	Terminal Radar Operations Lab	3
	Social & Behavior Science Elective	3
	Subtotal: 15	

Junior Year

First Semester

ATC 300L	Advanced Control Terminal Operations Lab	3
ATC 350L	Advanced Terminal Radar & Non Radar Operations Lab	3
AVI 250	Basic Aerodynamics and Flight Physics	3
	Free Elective I	3
	Major Core Elective (3 hours)	3
	Subtotal: 15	

Second Semester

AVI 270	Air Traffic Control and the National Airspace System	3
AVI 314	Aviation Meteorology	3
AVI 315	Aviation Legislation and Ethics	3
	Free Elective	3
	Humanities and Fine Arts A	3
	Subtotal: 15	

Senior Year

First Semester

AVI 370	Aviation Research Methods and Statistics	3
AVI 430	Airport Planning and Management	3
AVI 411	Transition to the Aviation/Aerospace Industry	3
FLT 110	Private Pilot Ground	3
	Free Elective	3
	Subtotal: 15	

Second Semester

AVI 465	Aviation Capstone (Senior Project)	3
AVI 420	Crew Resource Management	3
MNGT 221	Principles of Management	3
	Free Elective IV	3
	Restricted Elective	3
	Free Elective	3
	Major Core Elective (3 hours)	3
	Subtotal: 15	

Subtotal: 120

Aviation Science - Concentration in Aviation Management, B.S.

Curriculum

A. General Education courses (35 hours)

MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4

B. Major Core Requirements (43hours)

1. Core Courses (37 hours)

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 250	Basic Aerodynamics and Flight Physics	3
AVI 260	Aviation Human Factors and Safety	3
AVI 270	Air Traffic Control and the National Airspace System	3
AVI 314	Aviation Meteorology	3
AVI 315	Aviation Legislation and Ethics	3
AVI 370	Aviation Research Methods and Statistics	3
AVI 411	Transition to the Aviation/Aerospace Industry	3
FLT 110	Private Pilot Ground	3
AVI 465	Aviation Capstone (Senior Project)	3

2. Core Electives (6 hours)

Select 6 credits from the subject areas below:

Any AVI 3 credit hour course

Any FLT 3 credit hour course

Any FLT 2 credit hour course

Any ATC 3 credit hour course

Any UAS 3 credit hour course

Any ENGT 3 credit hour course

Any ENGT 4 credit hour course

Any EM 3 credit hour course

Any HFLT 3 credit hour course

Any HFLT 2 credit hour course

D. Concentration Requirements (30 hours)

BUAD 115	Introduction to Business	3
MNGT 221	Principles of Management	3
ECON 201	Principles of Economics I	3
ECON 202	Principles of Economics II	3
ACCT 210	Financial Accounting	3
AVI 232	Safety Management Systems (SMS)	3
AVI 340	Corporate Flight Operations	3
AVI 345	Airline Operations and Management	3
AVI 415	Aviation Project Management	3

AVI 430	Airport Planning and Management	3
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E. Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Aviation Science with a Concentration in Aviation Management

Freshman Year

First Semester

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3
BUAD 115	Introduction to Business	3
	Subtotal: 16	

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
AVI 220	Air Transportation	3
AVI 260	Aviation Human Factors and Safety	3
	Social & Behavior Science Elective	3
	Physical Education Activity	1
	Subtotal: 14	

Sophomore Year

First Semester

MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4
MNGT 221	Principles of Management	3
ENGL 201	World Literature I	3
ECON 201	Principles of Economics I	3
AVI 230	Aviation Management	3
	Subtotal: 15	

Second Semester

	Humanities and Fine Arts C	2
	Natural Sciences and Mathematics - B	4
	Social & Behavior Science Elective	3
ECON 202	Principles of Economics II	3
ACCT 210	Financial Accounting	3
	Subtotal: 15	

Junior Year

First Semester

AVI 345	Airline Operations and Management	3
AVI 250	Basic Aerodynamics and Flight Physics	3
	Free Elective I	3
AVI 340	Corporate Flight Operations	3
AVI 314	Aviation Meteorology	3
	Subtotal: 15	

Second Semester

AVI 270	Air Traffic Control and the National Airspace System	3
	Major Core Elective (3 hours)	3
AVI 315	Aviation Legislation and Ethics	3
	Humanities and Fine Arts A	3
	Free Elective	3

			Subtotal: 15
Senior Year			
First Semester			
AVI 370	Aviation Research Methods and Statistics	3	
AVI 430	Airport Planning and Management	3	
	Major Core Elective (3 hours)	3	
FLT 110	Private Pilot Ground	3	
	Free Elective	3	
			Subtotal: 15

Second Semester			
AVI 465	Aviation Capstone (Senior Project)	3	
	Free Elective	3	
AVI 415	Aviation Project Management	3	
AVI 232	Safety Management Systems (SMS)	3	
AVI 411	Transition to the Aviation/Aerospace Industry	3	
			Subtotal: 15
Subtotal: 120			

Aviation Science - Concentration in Avionics, B.S.

Curriculum

A. General Education courses (35 hours)

MATH 165	Calculus of Single Variable I	4
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B. Major Core Requirements (43hours)

1. Core Courses (37 hours)

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 250	Basic Aerodynamics and Flight Physics	3
AVI 260	Aviation Human Factors and Safety	3
AVI 270	Air Traffic Control and the National Airspace System	3
AVI 314	Aviation Meteorology	3
AVI 315	Aviation Legislation and Ethics	3
AVI 370	Aviation Research Methods and Statistics	3
AVI 411	Transition to the Aviation/Aerospace Industry	3
FLT 110	Private Pilot Ground	3
AVI 465	Aviation Capstone (Senior Project)	3

2. Core Electives (6 hours)

Select 6 credits from the subject areas below:

Any AVI 3 credit hour course

Any FLT 3 credit hour course

Any FLT 2 credit hour course

Any ATC 3 credit hour course

Any UAS 3 credit hour course

Any ENGT 3 credit hour course

Any ENGT 4 credit hour course

Any HFLT 3 credit hour course

Any HFLT 2 credit hour course

Any EM 3 credit hour course

D. Concentration Requirements (30 hours)

AVNC 100	Basic Avionics	3
ENGT 101	Introduction to Engineering Technology	3
ENGT 105	Computer-Aided Drafting (CAD) I	3
AVNC 240	Flight Communication Systems	3
	or	
ENGT 340	Analog & Digital Communications	3
AVNC 360	Advanced Avionics Systems	3
	or	
ENGT	Any ENGT 300 or above Electronics Course	3
AVNC 380	Aircraft or Flight Control Systems	3
	or	
ENGT 361	Control Systems	3
ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
ENGT 335	Analog and Digital Circuits II	3
ENGT 335L	Analog & Digital Circuits II Lab	1

E. Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Aviation Science with a Concentration in Avionics

Freshman Year

First Semester

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3
ENGT 101	Introduction to Engineering Technology	3
Subtotal: 16		

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
AVI 220	Air Transportation	3
AVI 260	Aviation Human Factors and Safety	3
	Social & Behavior Science Elective	3
	Physical Education Activity	1
Subtotal: 14		

Sophomore Year

First Semester

MATH 165	Calculus of Single Variable I	4
ENGL 201	World Literature I	3
AVI 230	Aviation Management	3
AVNC 100	Basic Avionics	3

ENGT 105	Computer-Aided Drafting (CAD) I	3
		Subtotal: 15

Second Semester

	Humanities and Fine Arts C	2
	Natural Sciences and Mathematics - B	4
AVNC 240	Flight Communication Systems	3
	or	
ENGT 340	Analog & Digital Communications	3
ENGT 205	Circuit Analysis with Lab	3
	Social & Behavior Science Elective	3
		Subtotal: 16

Junior Year

First Semester

AVI 250	Basic Aerodynamics and Flight Physics	3
AVNC 360	Advanced Avionics Systems	3
	or	
ENGT 361	Control Systems	3
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
	Free Elective I	3
	Major Core Elective (3 hours)	3
		Subtotal: 16

Second Semester

AVI 270	Air Traffic Control and the National Airspace System	3
AVI 411	Transition to the Aviation/Aerospace Industry	3
AVI 315	Aviation Legislation and Ethics	3
	Humanities and Fine Arts A	3
ENGT 335	Analog and Digital Circuits II	3
ENGT 335L	Analog & Digital Circuits II Lab	1
		Subtotal: 16

Senior Year

First Semester

AVI 370	Aviation Research Methods and Statistics	3
FLT 110	Private Pilot Ground	3
	Free Elective	3
	Major Core Elective (3 hours)	3
AVI 314	Aviation Meteorology	3
		Subtotal: 15

Second Semester

AVI 465	Aviation Capstone (Senior Project)	3
	Free Elective	3
	Free Elective	3
ENGT	Any ENGT 300 or above Electronics Course	3
		Subtotal: 12

Subtotal: 120

Aviation Science - Concentration in Flight Education, B.S.

(Flight Lab Fees) (p. 171)

Curriculum

A. General Education courses (35 hours)

MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4

B. Major Core Requirements (40hours)

1. Core Courses (37 hours)

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 250	Basic Aerodynamics and Flight Physics	3
AVI 260	Aviation Human Factors and Safety	3
AVI 270	Air Traffic Control and the National Airspace System	3
AVI 314	Aviation Meteorology	3
AVI 315	Aviation Legislation and Ethics	3
AVI 370	Aviation Research Methods and Statistics	3
AVI 411	Transition to the Aviation/Aerospace Industry	3
FLT 110	Private Pilot Ground	3
AVI 465	Aviation Capstone (Senior Project)	3

2. Core Electives (3 hours)

Select 3 credits from the subject areas below:

Any AVI 3 credit hour course

Any FLT 3 credit hour course

Any FLT 2 credit hour course

Any ATC 3 credit hour course

Any UAS 3 credit hour course

Any ENGT 3 credit hour course

Any ENGT 4 credit hour course

Any EM 3 credit hour course

Any HFLT 3 credit hour course

Any HFLT 2 credit hour course

D. Concentration Requirements (34 hours)

AVI 275	Aircraft Systems I	
AVI 375	Aircraft Systems II	3
AVI 350	Advanced Aerodynamics	3
AVI 420	Crew Resource Management	3
FLT 116L	Private Pilot Flight Lab	3
FLT 320	Instrument Ground	3
FLT 326L	Instrument Flight Lab	3
FLT 330	Commercial Ground	3
338L	Commercial Flight Lab Part I	
339L	Commercial Flight Lab Part II	3
FLT 340	Multi-Engine Ground	2
FLT 345L	Multi-Engine Flight Lab	2
	or	
FLT 420	Flight Instructor Ground	2

FLT 425L	Flight Instructor Flight Lab	2
E. Electives (11 hours)		
Subtotal: 120		

Curriculum Guide for Majors in Aviation Science with a Concentration in Flight Education

Freshman Year

First Semester

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
FLT 116L	Private Pilot Flight Lab	3
FLT 110	Private Pilot Ground	3
		Subtotal: 16

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
AVI 220	Air Transportation	3
AVI 260	Aviation Human Factors and Safety	3
	Social & Behavior Science Elective	3
	Physical Education Activity	1
		Subtotal: 14

Sophomore Year

First Semester

MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4
ENGL 201	World Literature I	3
AVI 230	Aviation Management	3
FLT 320	Instrument Ground	3
FLT 326L	Instrument Flight Lab	3
		Subtotal: 15

Second Semester

	Humanities and Fine Arts C	2
	Social & Behavior Science Elective	3
FLT 330	Commercial Ground	3
	Natural Sciences and Mathematics - B	4
338L	Commercial Flight Lab Part I	
		Subtotal: 15

Junior Year

First Semester

AVI 275	Aircraft Systems I	
339L	Commercial Flight Lab Part II	3
AVI 250	Basic Aerodynamics and Flight Physics	3
	Major Core Elective (3 hours)	3
	Free Elective I	3
		Subtotal: 15

Second Semester

AVI 270	Air Traffic Control and the National Airspace System	3
AVI 315	Aviation Legislation and Ethics	3
	Humanities and Fine Arts A	3
FLT 340	Multi-Engine Ground	2
	or	

FLT 420	Flight Instructor Ground	2
AVI 411	Transition to the Aviation/Aerospace Industry	3
	Free Elective 2	2
		Subtotal: 16

Senior Year

First Semester

AVI 370	Aviation Research Methods and Statistics	3
	Free Elective	3
AVI 350	Advanced Aerodynamics	3
FLT 345L	Multi-Engine Flight Lab	2
	or	
FLT 425L	Flight Instructor Flight Lab	2
AVI 314	Aviation Meteorology	3
		Subtotal: 14

Second Semester

AVI 465	Aviation Capstone (Senior Project)	3
	Free Elective	3
	Major Core Elective (3 hours)	3
AVI 420	Crew Resource Management	3
	Social & Behavior Sciences B (2)	3
		Subtotal: 15

Subtotal: 120

Aviation Science - Concentration in Professional Aeronautics, B.S.

Curriculum

A. General Education courses (35 hours)

MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4

B. Major Core Requirements (43hours)

1. Core Courses (37 hours)

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 250	Basic Aerodynamics and Flight Physics	3
AVI 260	Aviation Human Factors and Safety	3
AVI 270	Air Traffic Control and the National Airspace System	3
AVI 314	Aviation Meteorology	3
AVI 315	Aviation Legislation and Ethics	3
AVI 370	Aviation Research Methods and Statistics	3
AVI 411	Transition to the Aviation/Aerospace Industry	3
FLT 110	Private Pilot Ground	3
AVI 465	Aviation Capstone (Senior Project)	3

2. Core Electives (6 hours)

Select 6 credits from the subject areas below:

Any AVI 3 credit hour course

Any FLT 3 credit hour course

Any FLT 2 credit hour course

Any ATC 3 credit hour course

Any UAS 3 credit hour course

Any ENGT 3 credit hour course

Any ENGT 4 credit hour course

Any EM 3 credit hour course

Any HFLT 3 credit hour course

Any HFLT 2 credit hour course

D. Concentration Requirements (30 hours)

Select 30 credits from the subject areas below:

Any AVI 3 credit hour course

Any FLT 3 credit hour course

Any FLT 2 credit hour course

Any ATC 3 credit hour course

Any UAS 3 credit hour course

Any ENGT 3 credit hour course

Any ENGT 4 credit hour course

Any HFLT 3 credit hour course

Any HFLT 2 credit hour course

BUAD 115 Introduction to Business 3

BUAD 190 Management Information Systems 3

MNGT 221 Principles of Management 3

ACCT 210 Financial Accounting 3

ENGT 101 Introduction to Engineering 3

Technology

UAS 100 Unmanned Aerial Systems 3

UAS 200 UAS and NAS: Laws and 3

Regulations

UAS 250 UAS Sensors and Payloads 3

UAS 350L UAS Applications Lab1 (Design and 3

Construction)

UAS 400L UAS Applications Lab II (Precision 3

Agriculture/Surveying)

E. Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Aviation Science with a Concentration in Professional Aeronautics

Freshman Year

First Semester

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3
	Concentration Core Course	3
		Subtotal: 16

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
AVI 220	Air Transportation	3
AVI 260	Aviation Human Factors and Safety	3
	Social & Behavior Science Elective	3
	Physical Education Activity	1
		Subtotal: 14

Sophomore Year

First Semester

MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4
ENGL 201	World Literature I	3
AVI 230	Aviation Management	3
	Concentration Core Course	3
	Concentration Core Course	3
		Subtotal: 15

Second Semester

	Humanities and Fine Arts C	2
	Social & Behavior Science Elective	3
	Natural Sciences and Mathematics - B	4
	Concentration Core Course	3
	Concentration Core Course	3
		Subtotal: 15

Junior Year

First Semester

AVI 250	Basic Aerodynamics and Flight	3
	Physics	
	Free Elective I	3
	Major Core Elective (3 hours)	3
	Concentration Core Course	3
	Concentration Core Course	3
		Subtotal: 15

Second Semester

AVI 270	Air Traffic Control and the National	3
	Airspace System	
AVI 315	Aviation Legislation and Ethics	3
	Humanities and Fine Arts A	3
	Free Elective	3
AVI 411	Transition to the Aviation/Aerospace	3
	Industry	
		Subtotal: 15

Senior Year

First Semester

AVI 370	Aviation Research Methods and Statistics	3
	Free Elective	3
AVI 314	Aviation Meteorology	3
	Concentration Core Course	3
	Concentration Core Course	3
	Subtotal: 15	

Second Semester

AVI 465	Aviation Capstone (Senior Project)	3
	Free Elective	3
	Major Core Elective (3 hours)	3
FLT 110	Private Pilot Ground	3
	Concentration Core Course	3
	Subtotal: 15	

Subtotal: 120

Aviation Science - Concentration in Unmanned Aircraft Systems, B.S.

Curriculum

A. General Education courses (35 hours)

MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4

B. Major Core Requirements (43hours)

1. Core Courses (37 hours)

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 250	Basic Aerodynamics and Flight Physics	3
AVI 260	Aviation Human Factors and Safety	3
AVI 270	Air Traffic Control and the National Airspace System	3
AVI 314	Aviation Meteorology	3
AVI 315	Aviation Legislation and Ethics	3
AVI 370	Aviation Research Methods and Statistics	3
AVI 411	Transition to the Aviation/Aerospace Industry	3
FLT 110	Private Pilot Ground	3
AVI 465	Aviation Capstone (Senior Project)	3

2. Core Electives (6 hours)

Select 6 credits from the subject areas below:

Any AVI 3 credit hour course

Any FLT 3 credit hour course

Any FLT 2 credit hour course

Any ATC 3 credit hour course

Any UAS 3 credit hour course

Any ENGT 3 credit hour course

Any ENGT 4 credit hour course

Any EM 3 credit hour course

Any HFLT 3 credit hour course

Any HFLT 2 credit hour course

D. Concentration Requirements (30 hours)

BUAD 115	Introduction to Business	3
BUAD 190	Management Information Systems	3
MNGT 221	Principles of Management	3
ACCT 210	Financial Accounting	3
ENGT 101	Introduction to Engineering Technology	3
UAS 100	Unmanned Aerial Systems	3
UAS 200	UAS and NAS: Laws and Regulations	3
UAS 250	UAS Sensors and Payloads	3
UAS 350L	UAS Applications Lab I (Design and Construction)	3
UAS 400L	UAS Applications Lab II (Precision Agriculture/Surveying)	3

E. Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Aviation Science with a Concentration in Unmanned Aircraft Systems

Freshman Year

First Semester

AVI 100	Introduction to Aviation	3
AVI 122	Orientation Seminar for Aviation Science	1
UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3
BUAD 115	Introduction to Business	3
	Subtotal: 16	

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
AVI 220	Air Transportation	3
AVI 260	Aviation Human Factors and Safety	3
	Social & Behavior Science Elective	3
	Physical Education Activity	1
	Subtotal: 14	

Sophomore Year

First Semester

MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4
ENGL 201	World Literature I	3
AVI 230	Aviation Management	3
ENGT 101	Introduction to Engineering Technology	3
UAS 100	Unmanned Aerial Systems	3
	Subtotal: 15	

Second Semester

	Humanities and Fine Arts C	2
	Social & Behavior Science Elective	3
BUAD 190	Management Information Systems	3
UAS 200	UAS and NAS: Laws and Regulations	3
	Natural Sciences and Mathematics - B	4
		Subtotal: 15

Junior Year

First Semester

AVI 250	Basic Aerodynamics and Flight Physics	3
	Free Elective I	3
	Major Core Elective (3 hours)	3
ACCT 210	Financial Accounting	3
UAS 250	UAS Sensors and Payloads	3
		Subtotal: 15

Second Semester

AVI 270	Air Traffic Control and the National Airspace System	3
AVI 315	Aviation Legislation and Ethics	3
	Humanities and Fine Arts A	3
	Free Elective	3
AVI 411	Transition to the Aviation/Aerospace Industry	3
		Subtotal: 15

Senior Year

First Semester

AVI 370	Aviation Research Methods and Statistics	3
	Free Elective	3
MNGT 221	Principles of Management	3
UAS 350L	UAS Applications Lab I (Design and Construction)	3
AVI 314	Aviation Meteorology	3
		Subtotal: 15

Second Semester

AVI 465	Aviation Capstone (Senior Project)	3
	Free Elective	3
	Major Core Elective (3 hours)	3
FLT 110	Private Pilot Ground	3
UAS 400L	UAS Applications Lab II (Precision Agriculture/Surveying)	3
		Subtotal: 15

Subtotal: 120

Flight Lab Costs

Flight training completion rates vary based on student comprehension level, frequency of lessons, and the motivation and dedication of the individual student. Students learn at different rates. This is especially true in the challenging field of aviation. The Federal Aviation Administration (FAA) has a set of completion standards for each flight certificate offered by Elizabeth City State University (ECSU). These standards must be met in order for the student

to be eligible to take the FAA practical test also known as a check ride.

Fees are assessed as flat rate and are based on fuel and maintenance cost and are subject to change at any time.

***Lab fees are only refundable in accordance with ECSU's Tuition Refund Policy during the initial semester of enrollment.

The costs for the various flight labs are as follows:

- FLT 116L – Private * \$ 6,500.00
- FLT 225L – Cross-Country * \$ 6,000.00
- FLT 326L – Instrument * \$ 5,000.00
- FLT 336L – Commercial * \$ 7,500.00
- FLT 345L – Multi-Engine \$ 2,500.00
- FLT 425L – CFI \$ 4,000.00
- FLT 435L – CFII \$ 1,500.00
- FLT 445L – MEI \$ 2000.00 or \$ 3000.00

(*) Denotes required courses for the Flight Education Concentration.

Prices do not include costs of FAA check ride examiner fee, knowledge test fee, and flight materials (headset, navigational charts, flight kits etc.) These costs are paid directly to individuals or companies that are independent of ECSU.

In order to keep flight training costs as low as possible, ECSU does not charge students for flight and ground instruction. Students receive flight training at cost, paying only for operating and maintenance cost of the aircraft.

AVI 270	Air Traffic Control and the National Airspace System	3
AVI 314	Aviation Meteorology	3
AVI 315	Aviation Legislation and Ethics	3
AVI 340	Corporate Flight Operations	3
AVI 420	Crew Resource Management	3
AVI 430	Airport Planning and Management	3
Subtotal: 18		

Emergency Management

Emergency Management, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Core Requirements (45 hours)

1. Core Courses (36 hours)

EM 200	Introduction to Emergency Management	3
EM 210	Response and Recovery	3
EM 224	Emergency Service Law and Ethics	3
EM 230	Hazard Mitigation and Preparedness	3
EM 298	Social Dimensions of Disasters	3
EM 300	Emergency and Disaster Preparedness	3
EM Weapons of Mass Destruction	315	3
EM 382	Emergency Planning	3
EM 480	Hazard Analysis	3
EM 497	Seminar in Emergency Management	3
EM 490	Global Terrorism	3
EM 495	EM Leadership & Policy Management	3

2. Core Electives (9 hours)

Select 9 credit hours from the courses below.

EM 460	EM Internship I	3
EM 470	EM Internship II	3
ENGL 240	Disaster Command and Control Principles of ICS & NIMS	3
EM 202	Disaster and Movies: Facts and Fiction of Survival	3
EM 390	Practical Strategies in Rescue Operations	3
ENGL 320	Public Education in Preparedness and Safety Topics	3
PHS 210	Community Health, Safety, and Disease	3
PHS 310	Environmental Health and Sanitation	3
PHS 410	Terrorism, Disasters, and Epidemics	3

C. Major Core Elective Courses (0 hours)

D. Related Courses (15 hours)

Select 15 semester hours from the following:

CJ 210	Juvenile Justice System	3
HMLS 215	Introduction to Homeland Security	3

Aviation Science, Minor

The Aviation Science minor is designed for students in other academic disciplines who would like to study the aviation and aerospace industries so that they may apply the knowledge of their degree program along with their minor program to a career area within the field of aviation or aerospace. The Aviation Science minor provides the non-Aviation Science student major with an overview of the aviation industry so that they are informed and knowledgeable about the aviation industry to compete for aviation-and aerospace-related job opportunities

Before selecting this minor, it is highly recommended that the student be advised by the Director of the Aviation Science Program. A student who elects to minor in Aviation Science must complete a minimum of 18 A and B credits. Specifically, a student must complete 12 Section A (required Courses) as well as a minimum of 6 hrs. from Section B (Elective Courses). Students who wish to earn a minor in Aviation science must adhere to all prerequisites and earn a grade of “C” or higher in all AVI and FLT courses.

Curriculum

Section A Required Courses (12 hours)

AVI 100	Introduction to Aviation	3
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
FLT 110	Private Pilot Ground	3

Section B Elective Courses (6 hours)

AVI 232	Safety Management Systems (SMS)	3
AVI 250	Basic Aerodynamics and Flight Physics	3
AVI 260	Aviation Human Factors and Safety	3

AVI 100	Introduction to Aviation	3
AVI 314	Aviation Meteorology	3
UAS 100	Unmanned Aerial Systems	3
CSC 114	Introduction to Computer Science	3
POLS 298	American National Government	3
POLS 299	State and Local Government	3
POLS 305	Political Theory	3
SOWK 205	Introduction to Social Work	3
SOWK 210	Fundamentals of Interviewing	3
SOWK 220	Human Diversity	3
SOWK 343	Social Work with Children	3
JOUR 349	Mass Media	3
GEOG 221	Cartographic Principles	3
GEOG 308	Weather and Climate	3
GEOL 360	Principles of Geographic Information System (GIS)	4
MAS 226	Beach and Island Environments	3
PHS 322	Principles of Epidemiology	3
ENSC 440	Global Environmental Issues Seminar	3
ATC 200	Control Tower Operations	3
AVI 230	Aviation Management	3
AVI 232	Safety Management Systems (SMS)	3
BIOL 215	Anatomy & Physiology	4
HLTH 465	Drug Education	3
MNGT 221	Principles of Management	3
KIN 388	Lifesaving	3
KIN 390	Water Safety	3
PESM 411	Facilities Management	3
SOC 391	Sociology of Terrorism	3
UAS 250	UAS Sensors and Payloads	3

E. Free Electives (25 hours)
Subtotal: 120

Curriculum Guide for Majors in Emergency Management

Freshman Year

First Semester

UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
	Social & Behavior Sciences A	3
HLTH 185	Health Concepts	2
EM 200	Introduction to Emergency Management	3
	Humanities and Fine Arts A	3
		Subtotal: 15

Second Semester

UNIV 120	Freshman Seminar II	1
ENGL 103	Composition II	3
	Social & Behavior Sciences B (1)	3
	Humanities and Fine Arts C	2
	Natural Sciences and Mathematics - A	3
EM 224	Emergency Service Law and Ethics	3
		Subtotal: 15

Sophomore Year

First Semester

EM 230	Hazard Mitigation and Preparedness	3
	Humanities and Fine Arts B	3
	Social & Behavior Sciences B (2)	3
	Related Course	3

Related Course	3
Subtotal:	15

Second Semester

EM 210	Response and Recovery	3
	Related Course	3
	Natural Sciences and Mathematics - B	4
EM 298	Social Dimensions of Disasters	3
	Physical Education Activity	1
	Free Elective 1	1
		Subtotal: 15

Junior Year

First Semester

	Related Course	3
EM 300	Emergency and Disaster Preparedness	3
EM Weapons of Mass Destruction	315	3
	Free Elective	3
	Free Elective	3
		Subtotal: 15

Second Semester

	Related Course	3
EM 382	Emergency Planning	3
EM 490	Global Terrorism	3
	Free Elective	3
	Major Core Elective (3 hours)	3
		Subtotal: 15

Senior Year

First Semester

EM 495	EM Leadership & Policy Management	3
	Free Elective	3
	Free Elective	3
EM 480	Hazard Analysis	3
	Major Core Elective (3 hours)	3
		Subtotal: 15

Second Semester

EM 497	Seminar in Emergency Management	3
	Free Elective	3
	Free Elective	3
	Free Elective	3
	Major Core Elective (3 hours)	3
		Subtotal: 15

Subtotal: 120

Unmanned Aircraft Systems, B.S.

Unmanned Aircraft Systems, B.S.

Curriculum

A. General Education courses (35 hours)

B. Major Core Requirements (60 hours)

1. Core Courses (54 hours)

UAS 100	Unmanned Aerial Systems	3
ENGT 101	Introduction to Engineering Technology	3

ENGT 101L	Introduction to Engineering Technology Lab	1
ENGT 105	Computer-Aided Drafting (CAD) I	3
FLT 110	Private Pilot Ground	3
AVI 122	Orientation Seminar for Aviation Science	1
UAS 200	UAS and NAS: Laws and Regulations	3
ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
ENGT 220	Instrumentation and Measurement System	3
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 250	Basic Aerodynamics and Flight Physics	3
UAS 250	UAS Sensors and Payloads	3
AVI 260	Aviation Human Factors and Safety	3
AVI 270	Air Traffic Control and the National Airspace System	3
AVI 314	Aviation Meteorology	3
UAS 350L	UAS Applications Lab1 (Design and Construction)	3
AVI 370	Aviation Research Methods and Statistics	3
UAS 400L	UAS Applications Lab II (Precision Agriculture/Surveying)	3
AVI 460	Aviation Internship	3
AVI 465	Aviation Capstone (Senior Project)	3

2. Core Electives (6 hours)

Select 6 credits from the courses below:

AVNC 100	Basic Avionics	3
ENGT 200	Introduction to Renewable Energy Technologies	3
ENGT 245	Introduction to LAN & WAN Technology	3
AVNC 240	Flight Communication Systems	3
ENGT	Any ENGT 300 or above Electronics/Avionics Course	3
AVNC 380	Aircraft or Flight Control Systems	3
ENGT 466	Microprocessor and Microcontroller Any RS/GIS Course	3

C. Related Area Requirements (15 hours)

CSC 114	Introduction to Computer Science	3
BUAD 115	Introduction to Business	3
MNGT 221	Principles of Management	3
ECON 201	Principles of Economics I	3
ACCT 210	Financial Accounting	3

E. Electives (10 hours)

Subtotal: 120

Curriculum Guide for Majors in Unmanned Aircraft Systems

Freshman Year

First Semester

UAS 100	Unmanned Aerial Systems	3
UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3

AVI 122	Orientation Seminar for Aviation Science	1
BUAD 115	Introduction to Business	3
	Subtotal: 16	

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
AVI 260	Aviation Human Factors and Safety	3
	Social & Behavior Science Elective	3
	Physical Education Activity	1
ENGT 105	Computer-Aided Drafting (CAD) I	3
	Subtotal: 14	

Sophomore Year

First Semester

MATH 118	Precalculus	3
ENGL 201	World Literature I	3
AVI 230	Aviation Management	3
ENGT 101	Introduction to Engineering Technology	3
ENGT 101L	Introduction to Engineering Technology Lab	1
MNGT 221	Principles of Management	3
	Subtotal: 16	

Second Semester

	Humanities and Fine Arts C	2
	Social & Behavior Science Elective	3
UAS 200	UAS and NAS: Laws and Regulations	3
	Natural Sciences and Mathematics - B	4
ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
	Subtotal: 16	

Junior Year

First Semester

AVI 250	Basic Aerodynamics and Flight Physics	3
	Free Elective I	3
ACCT 210	Financial Accounting	3
UAS 250	UAS Sensors and Payloads	3
ENGT 220	Instrumentation and Measurement System	3
	Free Elective 1	1
	Subtotal: 16	

Second Semester

AVI 270	Air Traffic Control and the National Airspace System	3
	Humanities and Fine Arts A	3
	Free Elective	3
CSC 114	Introduction to Computer Science	3
FLT 110	Private Pilot Ground	3
	Subtotal: 15	

Senior Year

First Semester

AVI 370	Aviation Research Methods and Statistics	3
UAS 350L	UAS Applications Lab1 (Design and Construction)	3
ECON 201	Principles of Economics I	3
	Major Core Elective (3 hours)	3

		Subtotal: 12
Second Semester		
AVI 465	Aviation Capstone (Senior Project)	3
	or	
AVI 460	Aviation Internship	3
	Free Elective	3
	Major Core Elective (3 hours)	3
UAS 400L	UAS Applications Lab II (Precision Agriculture/Surveying)	3
AVI 220	Air Transportation	3
		Subtotal: 15
Subtotal: 120		

DEPARTMENT OF HEALTH AND HUMAN STUDIES

Kinesiology and Health

OVERVIEW

To provide an environment in which students can pursue excellence through a program of professional coursework, practical experiences, and professional interactions that will provide a foundation for careers in the field of Kinesiology. The Kinesiology degree is one of the newest programs developed by ECSU. The Kinesiology degree asks students to choose one of three concentrations to specialize in: Physical Education and Health, Fitness and Wellness, and Exercise Science. All students majoring in a degree in Kinesiology will take the same 23 credit hours of core courses, 8 credit hours of core electives, and then will take courses specific to the concentration of study. The Kinesiology degree is taught using online and face-to-face coursework and is suggested to take 8 full-time semesters to graduate. Kinesiology majors must earn a C or better in required general education courses, major requirements, related area requirements and concentration requirements. All graduating seniors are required to participate in an exit survey during their last semester before their final grades will be posted. Professional conduct is expected of all students as outlined in the disposition requirements assessment tool. The disposition assessment tool may be obtained from your advisor during a regularly scheduled advising appointment.

MISSION

The mission of the Kinesiology program is to provide educational opportunities for students seeking a B.S. degree in Kinesiology by disseminating knowledge about Kinesiology, Physical Education pedagogy,

pedagogical content knowledge, physical activity programming, nutrition, public health, exercise, human movement, curriculum design, and instructional strategies that will prepare graduates to be globally competitive to transform Northeast NC and the World.

Kinesiology and Health offers professional preparation programs for majors and health and physical activity programming for non-majors to fulfill general education course requirements. The Kinesiology and Health program area offers the following programs and concentrations:

PROGRAMS:

1. Kinesiology
 - Concentrations:
 - a. Exercise Science
 - b. Fitness and Wellness
 - c. Physical Education and Health (Teaching)

KINESIOLOGY

Kinesiology- Concentration: Exercise Science

The Exercise Science program of study prepares students for careers in preventative and rehabilitative exercise and wellness programs in settings such as hospitals, government agencies, and fitness and corporate wellness centers. A solid foundation in the natural sciences is the cornerstone of the coursework. Upon completion of the coursework students should have the foundational content knowledge needed to pass a number of nationally recognized personal trainer, group exercise instructor, and strength and conditioning certification exams, such as the American Council on Exercise (ACE), the National Strength and Conditioning Association (NSCA), and the American College of Sports Medicine (ACSM). Students choosing this concentration will meet the requirements for most graduate education programs in such allied health areas as physical therapy, occupational therapy, sports medicine, and exercise science.

Kinesiology- Concentration: Fitness and Wellness

The Fitness and Wellness concentration prepares students for employment in the growing health and wellness industry. The coursework in Fitness and Wellness provides content knowledge needed to pass a number of nationally recognized exams, so students can earn certifications in: aquatic exercise instruction, personal training, lifestyle, weight management, and health coaching, group exercise instruction, First Aid/CPR/AED, and certified aquatic facility technician.

Kinesiology- Concentration: Physical Education and Health

The Physical Education and Health concentration is designed to provide the content knowledge needed to teach Physical Education and Health Education at the K-12 grade levels, in the state of North Carolina. Upon completion of this program students will be eligible to earn North Carolina teaching licensure.

Kinesiology- Physical Education and Health Licensure Only

The Physical Education and Health Licensure Only track is available to individuals who currently hold an undergraduate degree, in any field, from an accredited institution. This program of study is available to provide experience with Physical Education and Health Education content to individuals in order to earn endorsement for teaching Physical Education and Health Education through the state North Carolina.

KINESIOLOGY AND HEALTH CLUB

The Health and Physical Education Majors' Club exists to provide all students majoring in a program of study in the Kinesiology and Health with an organization to foster the open exchange of ideas. The club provides access to community service opportunities on campus, in Elizabeth City, in North Carolina, and nationally. Members engage in a variety of new experiences that will help them discover new information about their fields, which will prepare them to become productive members of their field and society after graduation.

The Health and Physical Education Majors' Club brings world renowned professionals to ECSU for guest lectures, offers nationally recognized training programs, and promotes professional development

and networking by helping fund students to attend and present at national, state, and local conferences. Students must obtain a minimum grade of "C" in all Major Core Requirements.

Kinesiology - Concentration in Exercise Science, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education course is required for the major.

BIOL 101	General Biology for Majors I	4
MATH 115	College Algebra	3
	or	
MATH 118	Precalculus	3
	or	
MATH 165	Calculus of Single Variable I	4
PSY 212	General Psychology	3

B. Major Requirements (30 hours)

1. Core Courses (22 hours)

KIN 205	Technology Application in Fitness and Wellness	3
KIN 239	Introduction to Kinesiology	2
KIN 300	Exercise Physiology	3
KIN 368	Prevention and Care of Athletic Injuries	2
KIN 370	Kinesiology	3
KIN 401	Motor Learning and Motor Behavior	3
HLTH 369	Principles of Nutrition	3
399	Applied Techniques in Strength and Conditioning	

2. Core Electives (8 hours)

Select 8 hours from the courses below.

KIN 242	Teaching Team Sports	2
KIN 307	Teaching Lifetime Leisure Pursuits	2
KIN 403	Research in Physical Education	3
KIN 420	Wellness Programming and Administration	3
KIN 430	Nutrition and Fitness and Sport	3
KIN 435	Scientific Basis of Health for Older Adults	3
KIN 448	Excercise Prescription for Chronic Disease	3
KIN 470	Adapted Physical Education	3
HLTH 450	Health Parity: Rural, Urban, and Global Contexts	3
HLTH 465	Drug Education	3

C. Related Area Requirements (20 hours)

PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1

PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
PSY 301	Statistics and Research Design	4

D. Concentration Requirements (26 hours)

1. Concentration Core (20 hours)

BIOL 102	General Biology for Majors II	4
KIN 447	Exercise Prescription and Testing	3
KIN 447L	Exercise Prescription and Testing Lab	1
BIOL 215	Anatomy & Physiology	4
BIOL 216	Anatomy & Physiology II	4
KIN 405	Biomechanics	3

Select 6 hours in Public Health Experience

Select 6 hours from the Public Health Experience

Courses listed below.

PHS 420	Local Public Health Agency Field Experience	3
PHS 421	State PHS Agency Field Experience	3
PHS 422	Federal PHS Agency Field Experience	3
PHS 423	Non-Profit Organization Field Experience	3
PHS 424	Private Corporation PHS Field Experience	3
PHS 425	International PHS Field Experience	3

2. Concentration Electives (6 hours)

Complete 6 credit hours of Kinesiology Field Experience.

KIN 491	Kinesiology Field Experience I	3
KIN 492	Kinesiology Field Experience I	3
KIN 493	Kinesiology Field Experience I	3

E. Free Electives (9 hours)

Subtotal: 120

Curriculum Guide for Majors in Kinesiology - Exercise Science Concentration

Freshman Year

First Semester

BIOL 101	General Biology for Majors I	4
ENGL 102	Composition I	3
	Social & Behavior Sciences A	3
UNIV 110	Freshman Seminar	1
HLTH 185	Health Concepts	2
KIN 239	Introduction to Kinesiology	2

Subtotal: 15

Second Semester

BIOL 102	General Biology for Majors II	4
ENGL 103	Composition II	3
	Social & Behavior Sciences B (1)	3
UNIV 120	Freshman Seminar II	1
	Humanities and Fine Arts A	3
	Physical Education Activity	1

Subtotal: 15

Sophomore Year

First Semester

BIOL 215	Anatomy & Physiology	4
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
	Humanities and Fine Arts B	3
MATH 115	College Algebra	3
PSY 212	General Psychology	3

Subtotal: 17

Second Semester

BIOL 216	Anatomy & Physiology II	4
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
	Humanities and Fine Arts C	2
KIN 205	Technology Application in Fitness and Wellness	3
	Free Elective	3

Subtotal: 15

Junior Year

First Semester

KIN 368	Prevention and Care of Athletic Injuries	2
KIN 370	Kinesiology	3
HLTH 369	Principles of Nutrition	3
PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
PSY 301	Statistics and Research Design	4

Subtotal: 17

Second Semester

KIN 300	Exercise Physiology	3
	Any Core Elective - 2	2
PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1
	Free Elective	3
399	Applied Techniques in Strength and Conditioning	3

Subtotal: 15

Senior Year

First Semester

KIN 405	Biomechanics	3
KIN 447	Exercise Prescription and Testing	3
KIN 447L	Exercise Prescription and Testing Lab	1
	Kinesiology Field Experience - KIN 491, 492 or 493	3
	Any Core Elective - 3	3

Subtotal: 14

Second Semester

KIN 401	Motor Learning and Motor Behavior	3
	Kinesiology Field Experience - KIN 491, 492 or 493	3
	Free Elective	3
	Free Elective	3

Subtotal: 12

Subtotal: 120

Kinesiology - Concentration in Fitness and Wellness, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (30 hours)

1. Core Courses (22 hours)

KIN 205	Technology Application in Fitness and Wellness	3
KIN 239	Introduction to Kinesiology	2
KIN 300	Exercise Physiology	3
KIN 368	Prevention and Care of Athletic Injuries	2
KIN 370	Kinesiology	3
KIN 401	Motor Learning and Motor Behavior	3
HLTH 369	Principles of Nutrition	3
399	Applied Techniques in Strength and Conditioning	3

2. Core Electives (8 hours)

Select 8 hours from the courses below.

KIN 242	Teaching Team Sports	2
KIN 307	Teaching Lifetime Leisure Pursuits	2
KIN 403	Research in Physical Education	3
KIN 420	Wellness Programming and Administration	3
KIN 430	Nutrition and Fitness and Sport	3
KIN 435	Scientific Basis of Health for Older Adults	3
KIN 448	Exercise Prescription for Chronic Disease	3
KIN 470	Adapted Physical Education	3
HLTH 450	Health Parity: Rural, Urban, and Global Contexts	3
HLTH 465	Drug Education	3

C. Related Area Requirements (12 hours)

BIOL 215	Anatomy & Physiology	4
KIN 243	Individual Sports	2
KIN 216	Elementary Physical Education	3
HLTH 200	Introduction to Health and Wellness Promotion	3

D. Concentration Requirements (18 hours)

KIN 379	Lifestyle, Weight Management, and Health Coaching	3
KIN 383	Aquatic & Fitness Instruction	3
KIN 388	Lifesaving	3
KIN 390	Water Safety	3
KIN 407	Group Exercise Instruction	3
KIN 478	Swimming Pool Operation and Maintenance	3

1. Concentration Core (18 hours)

PESM 411	Facilities Management	3
KIN 375	Management of Physical Education and Athletic Programs	3
KIN 379	Lifestyle, Weight Management, and Health Coaching	3
KIN 383	Aquatic & Fitness Instruction	3

KIN 407	Group Exercise Instruction	3
KIN 478	Swimming Pool Operation and Maintenance	3

2. Concentration Elective (6 hours)

Select 6 hours from the Public Health Experience Courses listed below.

KIN 491	Kinesiology Field Experience I	3
KIN 492	Kinesiology Field Experience I	3
KIN 493	Kinesiology Field Experience I	3

E. Free Electives (19 hours)

Subtotal: 120

Department Requirements

ARC Certified First Aid or HLTH 367 WSI (Water Safety Instructor) or PE 389 Swimming Pool Management

Curriculum Guide for Majors in Kinesiology - Fitness and Wellness Concentration

Freshman Year

First Semester

ENGL 102	Composition I	3
	Natural Sciences and Mathematics - A	3
UNIV 110	Freshman Seminar	1
	Natural Sciences and Mathematics - B	4
	Physical Education Activity	1
KIN 239	Introduction to Kinesiology	2
	Subtotal:	14

Second Semester

ENGL 103	Composition II	3
HLTH 185	Health Concepts	2
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences B (1)	3
	Social & Behavior Sciences B (2)	3
	Humanities and Fine Arts C	2
	Subtotal:	14

Sophomore Year

First Semester

BIOL 215	Anatomy & Physiology	4
	Humanities and Fine Arts A	3
HLTH 200	Introduction to Health and Wellness Promotion	3
	Social & Behavior Sciences A	3
	Free Elective	3
	Subtotal:	16

Second Semester

	Humanities and Fine Arts B	3
KIN 205	Technology Application in Fitness and Wellness	3
KIN 216	Elementary Physical Education	3
KIN 243	Individual Sports	2
	Free Elective	3
	Free Elective	3
	Subtotal:	16

Junior Year

First Semester

KIN 368	Prevention and Care of Athletic Injuries	2
KIN 370	Kinesiology	3
KIN 375	Management of Physical Education and Athletic Programs	3
HLTH 369	Principles of Nutrition	3
	Any Core Elective - 3	3
	Free Elective 1	1
	Subtotal:	15

Second Semester

KIN 300	Exercise Physiology	3
KIN 383	Aquatic & Fitness Instruction	3
KIN 379	Lifestyle, Weight Management, and Health Coaching	3
399	Applied Techniques in Strength and Conditioning	
KIN 407	Group Exercise Instruction	3
	Subtotal:	15

Senior Year

First Semester

KIN 478	Swimming Pool Operation and Maintenance	3
KIN 491	Kinesiology Field Experience I	3
	Free Elective	3
PESM 411	Facilities Management	3
	Any Core Elective - 3	3
	Subtotal:	15

Second Semester

KIN 401	Motor Learning and Motor Behavior	3
KIN 492	Kinesiology Field Experience I	3
	Any Core Elective - 3	3
	Free Elective	3
	Free Elective	3
	Subtotal:	15

Subtotal: 120

Departmental Requirements

ARC Certified First Aid or HLTH 367 WSI (Water Safety Instructor) or PE 389 (Swimming Pool Management)

Kinesiology - Concentration in Physical Education and Health (Teaching), B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (30 hours)

1. Core Courses (22 hours)

KIN 205	Technology Application in Fitness and Wellness	3
KIN 239	Introduction to Kinesiology	2
KIN 300	Exercise Physiology	3
KIN 368	Prevention and Care of Athletic Injuries	2
KIN 370	Kinesiology	3

KIN 401	Motor Learning and Motor Behavior	3
HLTH 369	Principles of Nutrition	3
399	Applied Techniques in Strength and Conditioning	

2. Core Electives (8 hours)

Select 8 hours from the courses below.

KIN 242	Teaching Team Sports	2
KIN 307	Teaching Lifetime Leisure Pursuits	2
KIN 403	Research in Physical Education	3
KIN 420	Wellness Programming and Administration	3
KIN 430	Nutrition and Fitness and Sport	3
KIN 435	Scientific Basis of Health for Older Adults	3
KIN 448	Exercise Prescription for Chronic Disease	3
KIN 470	Adapted Physical Education	3
HLTH 450	Health Parity: Rural, Urban, and Global Contexts	3
HLTH 465	Drug Education	3

C. Related Area Requirements (21 hours)

HLTH 374	School Health Education	3
KIN 216	Elementary Physical Education	3
KIN 243	Individual Sports	2
KIN 316	Teaching Fitness Education	3
KIN 382	Curriculum, Teaching, and Assessment	3
HLTH 360	Sexual Health Through the Lifespan	
BIOL 215	Anatomy & Physiology	4

D. Concentration Requirements (24 hours)

EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 220	Sophomore Seminar	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 440	Methods and Materials of Teaching Physical Education and Health	3
EDUC 470	Observation and Supervised Teaching in Physical Education and Health	9
EDUC 478	Seminar in Contemporary Educational Issues	P/F

E. Free Electives (10 hours)

Subtotal: 10

Subtotal: 120

Curriculum Guide for Majors in Teaching Physical Education

Freshman Year

First Semester

ENGL 102	Composition I	3
	Natural Sciences and Mathematics - B	4
UNIV 110	Freshman Seminar	1
	Humanities and Fine Arts C	2
	Social & Behavior Sciences A	3
KIN 239	Introduction to Kinesiology	2
	Subtotal:	15

Second Semester

ENGL 103	Composition II	3
	Physical Education Activity	1
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences B (1)	3
	Natural Sciences and Mathematics - A	3
	Humanities and Fine Arts A	3
HLTH 185	Health Concepts	2
	Subtotal: 16	

Sophomore Year

First Semester

BIOL 215	Anatomy & Physiology	4
EDUC 210	Professional Studies I: Introduction to Education	3
	Humanities and Fine Arts A	3
	Social & Behavior Sciences B (2)	3
	Subtotal: 13	

Second Semester

EDUC 220	Sophomore Seminar	3
KIN 216	Elementary Physical Education	3
KIN 300	Exercise Physiology	3
KIN 205	Technology Application in Fitness and Wellness	3
KIN 243	Individual Sports	2
	Any Core Elective - 3	3
	Subtotal: 16	

Junior Year

First Semester

KIN 307	Teaching Lifetime Leisure Pursuits	2
KIN 368	Prevention and Care of Athletic Injuries	2
KIN 370	Kinesiology	3
KIN 382	Curriculum, Teaching, and Assessment	3
HLTH 369	Principles of Nutrition	3
	Any Core Elective - 2	2
	Subtotal: 17	

Second Semester

EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
HLTH 374	School Health Education	3
KIN 401	Motor Learning and Motor Behavior	3
	Free Elective	3
399	Applied Techniques in Strength and Conditioning	3
	Subtotal: 15	

Senior Year

First Semester

EDUC 440	Methods and Materials of Teaching Physical Education and Health	3
HLTH 360	Sexual Health Through the Lifespan	3
	Free Elective	3
	Free Elective	3
	Free Elective	3
	Free Elective 1	1
	Subtotal: 16	

Second Semester

EDUC 470	Observation and Supervised Teaching in Physical Education and Health	9
EDUC 478	Seminar in Contemporary Educational Issues	P/F
	Subtotal: 12	

Subtotal: 120

Physical Education, Minor

Curriculum

Required Courses

KIN 239	Introduction to Kinesiology	2
KIN 242	Teaching Team Sports	2
PE 445	History and principles of Physical Education	3
KIN 375	Management of Physical Education and Athletic Programs	3
PE 363	Group Games and Rhythms	1
KIN 401	Motor Learning and Motor Behavior	3
KIN 470	Adapted Physical Education	3
HLTH 367	First Aid, CPR and Safety	3
KIN 200	Theory of Coaching Football or Coaching Basketball	3
KIN 201	OR	
KIN 380	Sports Officiating I in Football & Basketball	3
PE 381	or Sports Officiating II in Football & Basketball	3
PE 175	Intermediate Swimming	1
	HLTH 367, GE 175: Departmental Requirement	
	Subtotal: 23	

Public Health, Minor

Curriculum

Minor Core Courses (12 hours)

PHS 110	Introduction to Public Health	3
PHS 210	Community Health, Safety, and Disease	3
PHS 310	Environmental Health and Sanitation	3
PHS 410	Terrorism, Disasters, and Epidemics	3
	Subtotal: 12	

Field Experiences (9 hours)

PHS 420	Local Public Health Agency Field Experience	3
PHS 421	State PHS Agency Field Experience	3
PHS 422	Federal PHS Agency Field Experience	3
PHS 423	Non-Profit Organization Field Experience	3

PHS 424	Private Corporation PHS Field Experience	3
PHS 425	International PHS Field Experience	3
		Subtotal: 9

Elective (3 hours)

PHS 322	Principles of Epidemiology	3
HLTH 465	Drug Education	3
PE 471	Professional Seminar in Health Care Management	3
	Other approved upper division course	3
		Subtotal: 3

Choose one course:
Subtotal: 24

Science of Coaching, Minor

Curriculum

Minor Core Courses

HLTH 101	First Aid, CPR, and AED	1
	or	
HLTH 367	First Aid, CPR and Safety	3
BIOL 215	Anatomy & Physiology	4
KIN 300	Exercise Physiology	3
KIN 368	Prevention and Care of Athletic Injuries	2

Minor Elective I

Please select 3 credit hours from the courses listed below.

KIN 230	Sport Specific Coaching I	3
KIN 231	Sport Specific Coaching II	3

Minor Elective II

Please select 3 credit hours from the courses listed below.

KIN 401	Motor Learning and Motor Behavior	3
KIN 420	Wellness Programming and Administration	3
KIN 430	Nutrition and Fitness and Sport	3
KIN 470	Adapted Physical Education	3
KIN 390	Water Safety	3

Field Experience

Please select one course from the courses listed below.

KIN 491	Kinesiology Field Experience I	3
KIN 492	Kinesiology Field Experience I	3
KIN 493	Kinesiology Field Experience I	3

Subtotal: 20

Pharmaceutical Sciences, B.S.

The Bachelor of Science in Pharmaceutical Sciences (BSPS) is a four-year baccalaureate program. Pharmaceutical Sciences combine a broad range of scientific disciplines that are critical to development,

design, and discovery of new drugs and therapies. The degree is designed for students who wish to pursue careers in pharmaceutical industry, biotechnology industry, biomedical industry, pharmaceutical sales, pharmacy and health care administrations. **(Please note: This four-year program does not qualify graduates to take licensure examinations to become registered pharmacists.)**

MAJOR: B.S. DEGREE IN PHARMACEUTICAL SCIENCE

Curriculum

A. General Education Requirements (36 hours)

The following General Education courses are required for the major.

MATH 165	Calculus of Single Variable I	4
PSY 212	General Psychology	3
SOC 201	Introduction to Sociology	3
SPAN 101	Elementary Spanish	3

B. Major Requirements (40 hours)

Minimum grade of a "C" is required in all major courses.

1. Core Courses (35 hours)

BIOL 101	General Biology for Majors I	4
BIOL 102	General Biology for Majors II	4
PHSC 201	Foundations of Pharmaceutical Sciences	3
PHSC 320/L	Pharmaceutical Analysis/L	4
PHSC 380	Drug Discovery, Design & Development	4
PHSC 403	Pharmaceutical Biochemistry I	3
PHSC 404	Pharmaceutical Biochemistry II	3
PHSC 422	Methods in Biotechnology/L	4
PHSC 485	Principles of Pharmacology	3
PHSC 498	Scientific Communication/Capstone Seminar	3

2. Core Electives (5 hours)

Any PHSC 400 level 3 credit hour course and and PHSC 2 credit hour course

PHSC 400 Elective - 3	3
PHSC Elective - 2	2

C. Related Area Requirements (35 hours)

Minimum grade of a "C" is required for all related area course requirements.

BIOL 215	Anatomy & Physiology	4
BIOL 341	Microbiology	4
BIOL 487	Statistical Applications in the Sciences	3
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
CHEM 301	Organic Chemistry I	3

CHEM 301L	Organic Chemistry I Lab	1
CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1
CHEM 401L	Biochemistry Lab	1
CHEM 430	Introduction to Medicinal Chemistry	3
PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1

D. Concentration Requirements (0 hours)**E. Free Electives (9 hours)**

Subtotal: 120

Curriculum Guide for Pharmaceutical Sciences

Freshman Year**First Semester**

BIOL 101	General Biology for Majors I	4
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
ENGL 102	Composition I	3
	Physical Education Activity	1
UNIV 110	Freshman Seminar	1
HLTH 185	Health Concepts	2
		Subtotal: 15

Second Semester

ENGL 103	Composition II	3
BIOL 102	General Biology for Majors II	4
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
MATH 165	Calculus of Single Variable I	4
UNIV 120	Freshman Seminar II	1
		Subtotal: 16

Sophomore Year**First Semester**

BIOL 215	Anatomy & Physiology	4
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1
SPAN 101	Elementary Spanish	3
	Humanities and Fine Arts C	2
	Social & Behavior Sciences A	3
		Subtotal: 16

Second Semester

BIOL 341	Microbiology	4
CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1
PHSC 201	Foundations of Pharmaceutical Sciences	3
SOC 201	Introduction to Sociology	3
	Humanities and Fine Arts A	3
		Subtotal: 17

Junior Year**First Semester**

BIOL 487	Statistical Applications in the Sciences	3
CHEM 401L	Biochemistry Lab	1
PHSC 403	Pharmaceutical Biochemistry I	3
PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1

PSY 212	General Psychology	3
		Subtotal: 14

Second Semester

CHEM 430	Introduction to Medicinal Chemistry	3
PHSC 320/L	Pharmaceutical Analysis/L	4
PHSC 380	Drug Discovery, Design & Development	4
PHSC 404	Pharmaceutical Biochemistry II	3
PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1
		Subtotal: 18

Senior Year**First Semester**

PHSC 422	Methods in Biotechnology/L	4
	Free Elective I	3
PHSC 485	Principles of Pharmacology	3
	Major Core Elective 2	2
		Subtotal: 12

Second Semester

PHSC 498	Scientific Communication/Capstone Seminar	3
	Major Core Elective (3 hours)	3
	Free Elective	3
	Free Elective	3
		Subtotal: 12

Subtotal: 120

Students must obtain a minimum grade of C in all major core requirements and related area course requirements.

Psychology**OVERVIEW**

The study of psychology provides knowledge regarding the causes of behavior and psychological methods of investigation. A background in psychology promotes within an individual a sense of competence and efficiency through a better understanding of development, learning, cognition, and emotion. Therefore, a fundamental effort in the Psychology Program is to impart to students a thorough knowledge of the practical, scientific, and theoretical/philosophical factors associated with the study of human behavior. The program offers a major, a minor, and an academic concentration (Teacher Education Majors) in Psychology.

MISSION & OBJECTIVES

In concert with the overall mission of Elizabeth City State University, the Psychology program endeavors to develop in undergraduate students a better understanding of the social, biological, and environmental factors that impact the human

experience from a global, overall perspective. Students are presented the opportunity to prepare for graduate study in psychology, marketing, law enforcement, social work and education to name a few. The program’s objectives can be translated into specific purposes/goals relevant to obtaining the Bachelor of Science Degree in Psychology at ECSU. These objectives are as follows:

- to enhance student ability to think critically and quantitatively;
- to provide relevant and rigorous academic coursework, the successful completion of which results in a Bachelor of Science degree;
- to provide students with the knowledge, skills, and academic preparation necessary for the pursuit of advanced degrees in graduate and professional schools, thereby facilitating viable employment opportunities; and
- to provide students with a broad understanding of the types of problems in local, national, and international communities which can be addressed via the application of knowledge obtained from the study of psychology.

PSYCHOLOGY DEGREE PROGRAM

The degree of Bachelor of Science with a major in psychology shall be conferred upon students who complete major requirements as indicated in the curriculum plan for those majoring in psychology. It should be noted that both the Major and the Minor (for majors in any discipline) are offered in psychology. Each student pursuing the Psychology major is encouraged to declare a minor (any field other than Psychology) as the first-time seeker of the baccalaureate degree.

For a Major or Minor status in psychology, the student must evidence an overall GPA of 2.25 or better and must have earned grades of "C" or better in the courses identified as "Psychology" (PSY); and proficiency in APA writing format. Earning grades of "C" or better in Psychology (PSY) courses is a requirement for graduation. Failure to maintain the required GPA will result in the student being placed on probationary status as a Major/Minor in Psychology until the necessary GPA is achieved. The appropriate course sequence along with curriculum-guide summaries appear below.

The Department also offers an "Academic Concentration in Psychology (p. 185)" as a complement to the Teacher Education Program.

Psychology, B.S.

Curriculum

A. General Education Core (35 hours)

General education requirements for Major or Minor in Psychology include 35 hours of general education core courses. The students can select courses from various general education sections as per general education core curriculum instructions except the listed courses that are required for Major or Minor in Psychology.

SOC 201	Introduction to Sociology	3
PSY 212	General Psychology	3
BIOL 101	General Biology for Majors I	4

B. Major Core Requirements (45 hours)

1. Core Courses (24 hours)

PSY 221	Professional Perspectives in Psychology	1
PSY 250	Developmental Psychology	3
PSY 301	Statistics and Research Design	4
PSY 311	Psychological Tests and Measurement	3
PSY 351	Experimental Psychology	4
PSY 360	Abnormal Psychology	3
PSY 450	Learning and Cognition	3
PSY 490	Senior Seminar in Psychology	3

Subtotal: 24

2. Core Electives: (Select seven courses) 21 hours**

Select two courses from Group 1, two from Group 2, and three from Group 3 for Psychology Major requirements. For Minor in Psychology, select any two courses from the offered Psychology core electives.

**Select two for Minor

Group 1: Experimental/Physiological (choose 2)

Select two courses from the following:

PSY 370	Physiological Psychology	3
PSY 390	Psychology of Addictions	3
PSY 400	Sensation and Perception	3
PSY 375	Health Psychology	3

Group 2: Personality/Social (choose 2)

Select any two courses from the following:

PSY 260	Psychology of Adjustment	3
PSY 320	Psychology of Social Behavior	3
PSY 330	Psychology of Personality	3
PSY 380	Psychology of Group Behavior and Inter-group Conflict	3

Group 3: Applications & Specialties (choose 3)

Select three courses from the following:

PSY 296	Environmental Psychology	3
PSY 340	Psychology of Cultural Diversity	3
PSY 407	Community Psychology	3
PSY 410	Industrial/Organizational Psychology	3
PSY 420	Counseling Principles and Practices	3
PSY 480	Practicum in Psychology	3

C. Related Area Course Requirements (15-16 hours)

Select 3-4 credits from BIOL 102/L, PHS 110, PHS 210 and CHEM 101/L; two consecutive courses (6 credits) from foreign languages; and 6 credits from the listed related area courses if those courses are not used to satisfy GE or Core Elective requirements.

Select 3-4 credit hours from the following:

BIOL 102	General Biology for Majors II	4
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
PHS 110	Introduction to Public Health	3
PHS 210	Community Health, Safety, and Disease	3

Take labs with BIOL 102 and CHEM 101

Select two (2) consecutive courses in a foreign language (6 credit hours):

FREN 101	Elementary French	3
FREN 102	Elementary French	3
FREN 201	Intermediate French	3
FREN 202	Intermediate French	3
SPAN 101	Elementary Spanish	3
SPAN 102	Elementary Spanish	3
SPAN 111	Conversational Spanish	3
SPAN 112	Conversational Spanish	3
SPAN 201	Intermediate Spanish	3
SPAN 202	Intermediate Spanish	3
SPAN 303	Spanish Composition	3
SPAN 304	Spanish Conversation	3
SPAN 401	Survey of Spanish Literature	3
SPAN 402	Survey of Latino Literature	3
CHIN 101	Introduction to Chinese I	3
CHIN 102	Introduction to Chinese II	3

The selected language courses cannot satisfy general education requirement

Select 6 credit hours from the following:

AVI 260	Aviation Human Factors and Safety	3
BIOL 210	Genetics	4
COM 200	Interpersonal Communication	3
CSC 114	Introduction to Computer Science	3
ENGL 401	Technical Writing	3
HLTH 367	First Aid, CPR and Safety	3
HLTH 369	Principles of Nutrition	3
HLTH 460	Contemporary Health Education	2
HLTH 465	Drug Education	3
JOUR 349	Mass Media	3
JOUR 351	Journalism I	3

JOUR 352	Journalism II	3
MCOM 250	Introduction to Broadcasting	3
MIS 201	Applied Leadership and Management I	2
MIS 202	Applied Leadership and Management II	2
MIS 301	Leadership and Management I	3
MIS 302	Leadership and Management II	3
MIS 303	U.S. Military History	3
PESM 211	Introduction to Sport Psychology	3
PESM 311	Sport Marketing and Promotion	3
PESM 312	Legal Issues of Sport/Rec	3
PESM 313	Governance in Sport	3
PESM 410	Organization and Management	3
PESM 411	Facilities Management	3
PHIL 252	Critical Thinking and Logic	3
PHSC 355	Healthcare Informatics	2
PHS 110	Introduction to Public Health	3
PHS 210	Community Health, Safety, and Disease	3
PHS 322	Principles of Epidemiology	3
POLS 305	Political Theory	3
POLS 307	American Political Ideas	3
POLS 310	American Presidency	3
POLS 402	Politics and Problems of Contemporary Africa	3
POLS 403	American Foreign Policy	3
POLS 404	Comparative Politics	3
POLS 483	International Relations	3
POLS 484	International Organization	3
PSY 320	Psychology of Social Behavior	3
PSY 330	Psychology of Personality	3
PSY 340	Psychology of Cultural Diversity	3
PSY 370	Physiological Psychology	3
PSY 380	Psychology of Group Behavior and Inter-group Conflict	3
PSY 390	Psychology of Addictions	3
PSY 400	Sensation and Perception	3
PSY 407	Community Psychology	3
PSY 410	Industrial/Organizational Psychology	3
PSY 420	Counseling Principles and Practices	3
PSY 480	Practicum in Psychology	3
SOC 305	Sociology of the African-American	3
SOC 385	Social Theory	3
SOC 412	Social Stratification	3
SOC 480	Seminar in Human Terrain Systems in South Asia	3
SOWK 395	Women and Religion	3
SPCH 314	Public Speaking	3
SPCH 316	Argumentation and Debate	3
CJ 208	Drugs, Alcohol and Crime to Substance Abuse	3
BFIN 210	Personal Financial Management	3
SOC 207	Race and Ethnic Relations	3
SOC 345	Introduction to SPSS	3

Selected courses should not satisfy general education, Psychology core elective, or related area requirements

D. Free Electives (25 hours)

Subtotal: 120

Curriculum Guide for Majors in Psychology

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
	Natural Sciences and Mathematics - A	3
BIOL 101	General Biology for Majors I	4
	Social & Behavior Sciences A	3
	Humanities and Fine Arts A	3
		Subtotal: 14

Second Semester

ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
PSY 212	General Psychology	3
SOC 201	Introduction to Sociology	3
	Minor/Electives	3
	Related Area Elective 3	3
		Subtotal: 16

Sophomore Year

First Semester

	Humanities and Fine Arts A	3
	Foreign Language I	3
HLTH 185	Health Concepts	2
PSY 221	Professional Perspectives in Psychology	1
PSY 360	Abnormal Psychology	3
	Major Core Elective II	3
		Subtotal: 15

Second Semester

PSY 250	Developmental Psychology	3
	Foreign Language II	3
PSY 301	Statistics and Research Design	4
	Related Area Course (4 hours)	4
		Subtotal: 14

Junior Year

First Semester

PSY 311	Psychological Tests and Measurement	3
	Major Core Elective II	3
	Related Area Elective 1	3
	Minor/Electives	3
	Major Core Elective (3 hours)	3
		Subtotal: 15

Second Semester

PSY 351	Experimental Psychology	4
	Major Core Elective I	3
	Major Core Elective (3 hours)	3
	Physical Education Activity	1
	Minor/Electives	3
		Subtotal: 14

Senior Year

First Semester

	Minor/Electives	3
	Minor/Electives	3
	Minor/Electives	3
	Major Core Elective (3 hours)	3
	Major Core Elective (3 hours)	3
		Subtotal: 15

Second Semester

PSY 450	Learning and Cognition	3
PSY 490	Senior Seminar in Psychology	3
	Related Area Elective 3	3
	Minor/Electives	3
	Minor/Electives	3
		Subtotal: 15

NOTE: Psychology 212 (General Psychology) occurs as a prerequisite to all other courses in psychology.

Psychology, Minor

Total semester hours required for Minor in Psychology are 21 that include 15 hours of required core courses and 6 hours that can be selected from any two groups of psychology electives. General Psychology that satisfies general education requirement is a prerequisite for all other Psychology courses.

Minor in Psychology:

Twenty-one Semester Hours

Core Courses (15 hours)

The following psychology core courses are required for Minor in Psychology:

PSY 221	Professional Perspectives in Psychology	1
PSY 301	Statistics and Research Design	4
PSY 351	Experimental Psychology	4
PSY 360	Abnormal Psychology	3
PSY 450	Learning and Cognition	3
		Subtotal: 15

Core Electives (6 hours)

Select two courses (6 credit hours) from any two groups of the core psychology electives.

Subtotal: 21

Academic Concentration in Psychology

Curriculum

Seventeen semester hours required:

PSY212: General Psychology that satisfies general education requirement occurs as a prerequisite to all other courses in psychology for Academic Concentration in Psychology. In addition to General Psychology, seventeen semester hours in Psychology courses are required with a 'C' or better grade. As the courses have a sequence to be followed, students must seek advisement from Psychology faculty advisor to enroll in courses.

PSY 250	Developmental Psychology	3
PSY 301	Statistics and Research Design	4

PSY 311	Psychological Tests and Measurement	3
PSY 351	Experimental Psychology	4
PSY 450	Learning and Cognition	3
Subtotal: 17		

Social Work

Accredited by the Council on Social Work Education (CSWE) June 2007

MISSION OF THE SOCIAL WORK PROGRAM

The mission of the Social Work program at Elizabeth City State University (ECSU) is to prepare students to be competent, effective, and professional generalist social work practitioners at the entry level with individuals, families, groups, organizations, and communities. Special attention is given to the needs of rural and developing communities and guided by a person-in-environment construct in a global perspective. Through this mission, the Social Work program serves predominantly first-generation African American students and other underserved groups who often choose to remain in the rural counties of Northeastern North Carolina.

The Social Work program focuses on knowledge, values, skills, and cognitive and affective processes that are required for effective practice in rural and developing communities which are challenged by disparities in social, economic, environmental, political, cultural, and educational arenas. Through mastery of specific competencies and behaviors, students are uniquely prepared to effectively and ethically serve diverse populations in these communities and other contexts. Students are also prepared to engage in practices that demonstrate their commitment to the eradication of poverty, unemployment, discrimination, oppression, and other forms of social injustice, as well as the commitment to continuous professional growth and lifelong learning.

Goals of the BSW Program

The Social Work program goals are derived from the program's mission. The four goals of the Social Work program are:

1. To prepare students to practice ethically and competently as generalist practitioners with individuals, families, groups, organizations, and

communities.

2. To prepare students to engage with diverse populations to advance human rights and promote social, economic, and environmental justice in rural, developing, and global communities.

3. To provide practice opportunities for students to serve the community.
4. To prepare students for graduate study and lifelong learning.

Pre-Professional Social Work Courses

The six Pre-Professional courses are: SOWK 205, SOWK 210, SOWK 220, SOWK 247, SOWK 250, and SOWK 260. These courses are designed to introduce students to the social work profession, the National Association of Social Workers (NASW) Code of Ethics, the rural context, fields of practice, interviewing and intervention skills, dimensions of human diversity, social, economic, and environment justice, the social welfare system and services, and human behavior in the social environment. These pre-professional courses total 18 semester hours.

PROFESSIONAL SOCIAL WORK COURSES

Students must be admitted to the Social Work program prior to enrollment in the Professional Social Work courses. These courses provide professional foundation content in the areas of values and ethics, diversity, populations-at-risks and social and economic justice, human behavior in the social environment, generalist practice, social welfare policies and services, research and evaluation, and field education. The seven Professional Social Work courses are: SOWK 367, SOWK 370, SOWK 372, SOWK 390, SOWK 443, SOWK 444, and SOWK 445. These professional courses total 27 semester hours. The following five professional courses must be completed prior to enrollment in Field Education: SOWK 367, SOWK 370, SOWK 372, SOWK 390 and SOWK 443. In addition, 35 semester hours of Liberal Arts and General Education courses should be completed prior to applying for enrollment in SOWK 444 - Field Education and Seminar I. Students must maintain a 2.50 GPA or higher to continue matriculating in the Professional courses.

FIELD EDUCATION AND SEMINAR

Students must complete the application process prior to entering the Field Experience and Seminar courses.

Across both Program Options, the Director of Field Education will provide the student with a referral to an agency for an interview. Students in the Social Work Program are required to complete a minimum of 440 hours of supervised field experience at selected public, nonprofit, and for-profit human service agencies in North Carolina. Prior to enrollment in SOWK 444 & 445, Field Experience and Seminar I & II, students must have completed liberal arts, general education, and pre-professional and professional social work courses as outlined in the social work curriculum. Across both program options, the Social Work Program has a concurrent placement model in field education.

For Program Option 1: Main Campus, the concurrent placement model requires students to complete 220 hours of supervised field education experience at selected human service agencies during the Fall and Spring semesters. Students are in their selected field agencies for two days (Tuesday and Thursday) for approximately 14 hours per week. SOWK 444 & 445, Field Experience and Seminar I & II must be complete within the same academic year with a “C” or higher.

For Program Option 2: Off-Site Campuses, the concurrent placement model requires students to complete 110 hours per eight weeks in the following order: second eight weeks in Spring, eight weeks in the summer session, and the first and second eight weeks during the Fall semester. Students are in their selected field agencies evenings and weekends for approximately 14 hours per week. SOWK 444 & 445, Field Experience and Seminar I & II must be complete within the identified timeframe e.g. spring semester, summer session, and fall semester with a “C” or higher. Only students that are a part of institutions with Articulation Agreements and have an Associate's Degree in Human Services Technology are eligible for this program option.

Across both Program Options, failure to successfully complete both courses in an academic year will require the student to repeat the entire process e.g. complete the application process, attend the pre-orientation meetings, and complete the interview to be placed at an agency. The student will not have to repeat the individual course, but he/she will be placed at a new agency.

Students who do not satisfactorily complete Field Experience and Seminar forfeit hours earned and must reapply. Incomplete (I) grades are not given for SOWK 444 and 445. Students who are readmitted to Field Experience and Seminar are assigned to new agencies. All students must earn a grade of "C" or higher in all required social work courses in order to graduate with the BSW Degree.

In addition to the agency placements, students are required to attend and participate in a weekly seminar class. The seminar class is instrumental in guiding students in the field education process. The seminar classes also provide students the opportunity to discuss their agency experiences and to integrate social work knowledge, values, skills, cognitive and affective processes, and the program competencies with the field experience. In addition, the students will purchase liability insurance and complete a background check.

Failure to submit an application will result in students not being considered for field education. **Students employed in human service agencies will not be allowed to use their employment or work experiences as a substitute for their field education placements.**

Admission to the Social Work Program

All students who plan to earn the BSW degree must officially select Social Work as their major, complete the Declaration of Major Form, and meet the following Admission Requirements:

- Apply for admission before the end of the sophomore year;
- Return the completed application along with all supporting documents by February 15th;
- Transfer students return the completed application along with all supporting documents by February 15th;
- Completion of ENGL 102, and 103, BIOL 100 or BIO 207, SOC 201, PSY 212, and SOWK 205. A "C" grade or higher is required in ENGL 102 and 103, and SOWK 205;

- A cumulative GPA of 2.50 or higher;
- Two (2) Letters of Recommendation (faculty member, clergy, counselor or other professionals in the human services field);
- Agree to abide by the National Association of Social Workers (NASW) Code of Ethics and University policies; and
- Approved Personal Statement (Writing Sample administered by the Social Work faculty);

NOTE: Students are only admitted to the Program during the Fall semester of each academic year.

ADDITIONAL PROGRAM REQUIREMENTS

- **All Pre-Professional and Professional Social Work courses must be taken in sequential order.**
- Students must be formally admitted into the Social Work Program and have completed SOWK 205, 210, 220, 247, 250, and 260 with a "C" or higher prior to enrollment in the Professional Sequence Social Work courses.
- Students must also maintain a 2.50 GPA (or higher) to continue matriculating in the Professional courses.
- Students must complete an admission's process prior to entering the Field Experience and Seminar courses.
- **NOTE: The Social Work Program does not grant course credit for employment/work experience.**

TRANSFER STUDENT POLICY

Transfer students (including those who have already achieved junior status) and other students who change their major to Social Work must also go through the application process and be officially admitted into the Social Work Program. There is not a guarantee that courses transferred from other degree programs or institutions of higher learning will substitute for

required Social Work courses. Social Work Practice courses from other institutions **cannot be** transferred.

Social Work, B.S.W.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for the major.

BIOL 100	Principles of Biological Science	3
BIOL 100L	Principles of Biological Science Lab	1
MATH 115	College Algebra	3
SPAN 101	Elementary Spanish	3
HIST 141	History of World Civilization, 1500 to the Present	3
ECON 201	Principles of Economics I	3
ENGL 201	World Literature I	3
POLS 298	American National Government	3

B. Major Requirements (45 hours)

All students declaring Social Work as their major must be formally admitted into the Social Work Program. Students should apply for formal admission during the spring semester of the sophomore year. Admission requirements include the following:

- Completion of ENGL 102 and 103, and SOWK 205 (with a "C" or higher);
- Completion of BIO 100 or 207, SOC 201, and PSY 212;
- Complete the Application for Admission;
- Complete the Personal Statement (Writing Sample administered by the Social Work faculty);
- Submit two (2) letters of Recommendation;
- Have a Cumulative Grade Point Average (GPA) of 2.50 (or higher); and
- Agree to abide by University policies and the National Association of Social Workers (NASW) Code of Ethics

SOWK 205	Introduction to Social Work	3
SOWK 210	Fundamentals of Interviewing	3
SOWK 220	Human Diversity	3
SOWK 247	Rural Social Work Practice	3
SOWK 250	Introduction to Social Welfare	3
SOWK 260	Human Behavior in the Social Environment I: Childhood and Adolescence	3
SOWK 367	Social Work Practice I: Individuals, Families, and Groups	3
SOWK 370	Social Welfare Policy	3

SOWK 372	Human Behavior in the Social Environment II: Adulthood	3
SOWK 390	Research Methods in Social Work	3
SOWK 443	Social Work Practice II: Organizations and Communities	3
SOWK 444	Social Work Field Education and Seminar I	6
SOWK 445	Social Work Field Education and Seminar II	6

Additional Requirements

- All Pre-Professional and Professional Social Work courses must be taken in sequence.
- Students must be admitted into the Social Work Program and have completed SOWK 205, 210, 220, 247, 250, and 260 with a "C" or higher prior to enrollment in the Professional Sequence Social Work courses.
- Students must also maintain a 2.50 GPA (or higher) to continue matriculating in the Professional courses.
- Students must complete an admission's process prior entering the Field Experience and Seminar courses.
- **Note: The Social Work Program does not grant course credit for employment/work experience.**

C. Related Area Requirements (12 hours)

SOC 201	Introduction to Sociology	3
PSY 212	General Psychology	3
SOC 346	Social Statistics	3
SOC 305	Sociology of the African-American	3
	OR	
HIST 250	African American History to 1877	3

D. Concentration Requirements (0 hours)

E. Free Electives (28 hours)

Subtotal: 120

Curriculum Guide for Majors in Social Work

Freshman Year

First Semester

ENGL 102	Composition I	3
MATH 115	College Algebra	3
UNIV 110	Freshman Seminar	1
HLTH 185	Health Concepts	2
	Physical Education Activity	1
	Humanities and Fine Arts C	2
HIST 141	History of World Civilization, 1500 to the Present	3

Subtotal: 15

Second Semester

ENGL 103	Composition II	3
ECON 201	Principles of Economics I	3
SOC 201	Introduction to Sociology	3
UNIV 120	Freshman Seminar II	1
BIOL 100	Principles of Biological Science	3

BIOL 100L	Principles of Biological Science Lab	1
	Free Elective 1	1
		Subtotal: 15

Sophomore Year

First Semester

ENGL 201	World Literature I	3
SOWK 205	Introduction to Social Work	3
SOWK 210	Fundamentals of Interviewing	3
SOWK 220	Human Diversity	3
SPAN 101	Elementary Spanish	3
		Subtotal: 15

Second Semester

SOWK 250	Introduction to Social Welfare	3
SOWK 260	Human Behavior in the Social Environment I: Childhood and Adolescence	3
POLS 298	American National Government	3
SOWK 247	Rural Social Work Practice	3
PSY 212	General Psychology	3
		Subtotal: 15

Complete Admission's Process

Junior Year

First Semester

SOWK 367	Social Work Practice I: Individuals, Families, and Groups	3
SOWK 370	Social Welfare Policy	3
SOWK 372	Human Behavior in the Social Environment II: Adulthood	3
SOC 346	Social Statistics	3
SOC 305	Sociology of the African-American	3
	or	
HIST 250	African American History to 1877	3
		Subtotal: 15

Second Semester

SOWK 390	Research Methods in Social Work	3
SOWK 443	Social Work Practice II: Organizations and Communities	3
	Free Elective	3
	Free Elective	3
	Free Elective	3
		Subtotal: 15

Senior Year

First Semester

SOWK 444	Social Work Field Education and Seminar I	6
	Free Elective	3
	Free Elective	3
	Free Elective	3
		Subtotal: 15

Second Semester

SOWK 445	Social Work Field Education and Seminar II	6
	Free Elective	3
	Free Elective	3
	Free Elective	3
		Subtotal: 15

Students must earn a "C" or higher in all Social Work Core Courses
 Subtotal: 120

Gerontology, Minor

Gerontological Social Work is a specialized field of Social Work Practice that is concerned with the development, needs, and treatment of older adults. Since people are living longer, there is an increased need and demand for individuals with the knowledge and skills to work effectively with the aging population.

Non-Social Work majors have the option to pursue a Minor in Gerontology. The Minor in Gerontology consists of 18 credit hours. It provides an opportunity for students to learn about the aging process and the problems, issues, needs, and strengths of older people and the people who care for them. Students also learn about social programs, special legislation, and other policies that impact older people. The following courses are required for the Minor in Gerontology:

- SOWK 205 - Introduction to Social Work
- SOWK 280 - Introduction to Gerontology
- SOWK 372 - Human Behavior and the Social Environment II
- SOWK 400 - The Aged in Society
- SOWK 450 - Life and Living
- SOWK 469 - Independent Research for Special Populations

Degree Requirements

Requirements List

SOWK 280	Introduction to Gerontology	3
SOWK 372	Human Behavior in the Social Environment II: Adulthood	3
SOWK 400	The Aged and Society	3
SOWK 440	Perspectives on Death and Dying	3
SOWK 450	Life and Living: Coping with Dying	3
SOWK 469	Independent Research for Special Populations	3

Total Credit Hours:
 18

DEPARTMENT MATHEMATICS, COMPUTER SCIENCE AND ENGINEERING TECHNOLOGY

The Department of Mathematics, Computer Science and Engineering Technology offers undergraduate programs leading to Bachelor of Science degrees in Mathematics, Computer Science and Engineering Technology. The department also offers minors in Mathematics, as well as Computer Science. A graduate program leading to a Master of Science degree has been added, with concentrations in Applied Mathematics, Mathematics Education, Community College Teaching, and Remote Sensing. The strong curriculum provides students with a high level of preparation for professional employment, as well as for graduate study, with an emphasis on integrating theory and applications.

Students majoring in the Mathematical Sciences have numerous career opportunities open to them. An undergraduate degree in Mathematics, Computer Science or Engineering Technology establishes an excellent background for graduate studies in many areas such as Mathematics, Actuarial Science, Computer Science, Statistics, Engineering, Operations Research, and Economics, etc. Those who are planning to receive a license to teach high school and/or middle school Mathematics must have a minor in Secondary Education.

The department faculty members have diverse research interests. It is recommended that prospective students contact the department as early as possible to discuss an appropriate program of study and plan the sequencing of course requirements. Students majoring in or with a minor in Mathematics or Computer Science are required to have a "C" or better grade in all major requirement courses to meet the departmental standards and approval to be recommended for graduation. The Department of Mathematics, Computer Science and Engineering Technology offer degrees in the following:

- Computer Science
- Computer Science with a Concentration in Information Systems (p. 193)

Computer Science with a Concentration in Data Science (p. 192)

Mathematics

Mathematics (p. 199)

(p. 199)

Mathematics with a Concentration in Secondary Education (p. 199)

Engineering Technology

[Engineering Technology with Concentration in Computer Networking Engineering Technology](#) (p. 194)

[Engineering Technology with a Concentration in Electrical and Computer Engineering Technology](#) (p. 195)

[Engineering Technology With a Concentration in Mechanical Engineering Technology](#) (p. 197)

[Engineering Technology with a Concentration in Robotics and Autonomous Engineering Technology](#)

Engineering Technology Program

The mission of Engineering Technology is to empower students to become innovative problem solvers and function effectively in today's global, rapidly changing, diverse work environment by offering a dynamic curriculum that provides an academic foundation for lifelong learning in the engineering technology field.

The B.S. in Engineering Technology offers concentrations in "Mechanical Engineering Technology", "Computer Networking Engineering Technology", and "Electrical and Computer Engineering Technology", "Robotics and Autonomous Engineering Technology."

Program educational objectives

The B.S. in Engineering Technology program will produce graduates who will:

1. Actively remain aware of the professional and ethical standards in the field of engineering technology through pursuing or completing an advance degree, professional development course, and/or engineering certifications.

2. Effectively use communication skills and tools to productively work in a team environment with others of diverse cultural and interdisciplinary backgrounds
3. Apply fundamental principles of engineering technology to solve complex problems and/or design systems that contribute to the efficiency or effectiveness of their professional organization.
4. Utilize technology and leadership skills to make sound decisions to implement, manage and integrate systems or processes that comply with professional standards

The Engineering Technology program prepares its graduates with a blend of technical knowledge, theoretical skills, and the hands-on experience necessary to enter professional careers in design, installation, operation, computer, electronics, information technology, mechanical, computer aided manufacturing, control, robotics and automated systems. Engineering Technologists use the principles and theories of engineering, science, and mathematics to solve technical problems in engineering and engineering technology related fields. The successful completion of this program will not only provide better job opportunities, but also prepare students who plan on pursuing graduate studies in the related fields.

The graduates of this program are qualified to obtain professional careers in high-tech industries, government, and business or pursue their graduate degree in the related fields. Graduates can obtain positions such as: Computer Engineer, Network Administrator, Computer System Analyst, Computer and Information System Manager, Network Engineer, Mechanical Engineer, Automated Process Engineer, Production Engineer and Plant Supervisor.

Accreditations

Engineering Technology is accredited by the Engineering Technology Accreditation Commission of Accreditation Board for Engineering and Technology – (ABET-ETAC), <http://www.abet.org>

Computer Science - Concentration in Data Science, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (37 hours)

1. Core Courses (31 hours)

CSC 115	Programming I	3
CSC 160	Computer Science Majors Orientation Seminar	1
CSC 215	Programming II	3
CSC 218	Data Structures	3
CSC 260	Sophomore Seminar in Computer Science	1
CSC 314	Computer Architecture and Organization	3
CSC 325	Database Systems	3
CSC 335	Introduction to Web Design	3
CSC 410	Net-Centric Computing	3
CSC 412	Software Engineering	3
CSC 420	Operating Systems	3
CSC 460	Senior Seminar in Computer Science	2

2. Core Electives (6 hours)

Select 6 hours from the courses below.

CSC 240	Introduction to Cybersecurity	3
CSC 315	Programming Languages Concepts	3
CSC 318	Algorithms	3
CSC 322	UNIX Administration & System Programming	3
CSC 409	Artificial Intelligence	3
CSC 413	System Analysis and Design	3
CSC 415	Computer Graphics	3
CSC 421	Topics In Computer Science	3
CSC 430	Undergraduate Research in Computer Science	3
CSC 435	Advanced Web Design	3
CSC 452	Internship	3-6
MATH 360	Applied Cryptography & Data Security	3
MATH 410	Linear Optimization	3

D. Concentration Requirements (35 hours)

MATH 165	Calculus of Single Variable I	4
MATH 265	Calculus of Single Variable II	4
MATH 262	Discrete Methods	3
MATH 351	Linear Algebra	3
STAT 251	Basic Statistics	3
CSC 210	C++ Programming	3
CSC 230	Object-Oriented Programming	3
CSC 305	Introduction to Bioinformatics	3
CSC 401	Data Mining & Machine Learning	3
CSC 414	Python Programming & Visualization	3
CSC 451	Numerical and Symbolic Computing	3

E. Free Electives (13 hours)

Subtotal: 120

Curriculum Guide for Major in Computer Science with a Data Science Concentration

Freshman Year

First Semester

UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
	Humanities and Fine Arts C	2
	Natural Sciences and Mathematics - A	3
	Social & Behavior Sciences A	3
CSC 115	Programming I	3
	Subtotal:	15

Second Semester

UNIV 120	Freshman Seminar II	1
ENGL 103	Composition II	3
CSC 160	Computer Science Majors Orientation Seminar	1
MATH 165	Calculus of Single Variable I	4
CSC 215	Programming II	3
	Natural Sciences and Mathematics - B	4
	Subtotal:	16

Sophomore Year

First Semester

	Humanities and Fine Arts A	3
	Social & Behavior Sciences B (1)	3
MATH 262	Discrete Methods	3
MATH 265	Calculus of Single Variable II	4
CSC 218	Data Structures	3
	Subtotal:	16

Second Semester

	Humanities and Fine Arts B	3
	Social & Behavior Sciences B (2)	3
HLTH 185	Health Concepts	2
CSC 260	Sophomore Seminar in Computer Science	1
CSC 305	Introduction to Bioinformatics	3
CSC 210	C++ Programming	3
	Physical Education Activity	1
	Subtotal:	16

Junior Year

First Semester

CSC 325	Database Systems	3
CSC 410	Net-Centric Computing	3
MATH 351	Linear Algebra	3
	Free Elective	3
	Free Elective	3
	Subtotal:	15

Second Semester

CSC 314	Computer Architecture and Organization	3
CSC 230	Object-Oriented Programming	3
CSC 335	Introduction to Web Design	3
CSC 420	Operating Systems	3
STAT 251	Basic Statistics	3
	Subtotal:	15

Senior Year

First Semester

CSC 412	Software Engineering	3
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CSC 414	Python Programming & Visualization	3	
	Free Elective	3	
	Free Elective	3	
	Major Core Elective (3 hours)	3	
			Subtotal: 15

Second Semester

CSC 401	Data Mining & Machine Learning	3	
CSC 460	Senior Seminar in Computer Science	2	
CSC 451	Numerical and Symbolic Computing	3	
	Free Elective	3	
	Major Core Elective (3 hours)	3	
			Subtotal: 15

Subtotal: 120

Total Credit Hours:
240

Computer Science - Concentration in Information Systems, B.S.

Curriculum

A. General Education courses (35 hours)

B. Major Requirements (37 hours)

1. Core Courses (31 hours)

CSC 115	Programming I	3	
CSC 160	Computer Science Majors Orientation Seminar	1	
CSC 215	Programming II	3	
CSC 218	Data Structures	3	
CSC 260	Sophomore Seminar in Computer Science	1	
CSC 314	Computer Architecture and Organization	3	
CSC 325	Database Systems	3	
CSC 335	Introduction to Web Design	3	
CSC 410	Net-Centric Computing	3	
CSC 412	Software Engineering	3	
CSC 420	Operating Systems	3	
CSC 460	Senior Seminar in Computer Science	2	

2. Core Electives (6 hours)

Select 6 credits from the courses below.

CSC 240	Introduction to Cybersecurity	3	
CSC 315	Programming Languages Concepts	3	
CSC 318	Algorithms	3	
CSC 322	UNIX Administration & System Programming	3	
CSC 409	Artificial Intelligence	3	
CSC 413	System Analysis and Design	3	
CSC 415	Computer Graphics	3	
CSC 421	Topics In Computer Science	3	
CSC 430	Undergraduate Research in Computer Science	3	
CSC 435	Advanced Web Design	3	
CSC 452	Internship	3-6	
MATH 360	Applied Cryptography & Data Security	3	
MATH 410	Linear Optimization	3	

D. Concentration Requirements (34 hours)

1. Concentration Core (31 hours)

MATH 165	Calculus of Single Variable I	4
MATH 262	Discrete Methods	3
MATH 351	Linear Algebra	3
STAT 251	Basic Statistics	3
BUAD 115	Introduction to Business	3
BUAD 190	Management Information Systems	3
BMIS 425	IT and Cyber Security Management	3
ACCT 210	Financial Accounting	3
MNGT 221	Principles of Management	3
BMIS 380	Management Information Systems II	3

2. Concentration Electives (3 hours)

Select 3 credits from the courses below:

CSC 210	C++ Programming	3
CSC 230	Object-Oriented Programming	3

E. Free Electives (14 hours)

Subtotal: 120

Curriculum Guide for Major in Computer Science with an Information Systems Concentration

Freshman Year

First Semester

UNIV 110	Freshman Seminar	1	
ENGL 102	Composition I	3	
	Humanities and Fine Arts C	2	
	Natural Sciences and Mathematics - A	3	
	Social & Behavior Sciences A	3	
CSC 115	Programming I	3	
			Subtotal: 15

Second Semester

UNIV 120	Freshman Seminar II	1	
ENGL 103	Composition II	3	
MATH 165	Calculus of Single Variable I	4	
CSC 160	Computer Science Majors Orientation Seminar	1	
	Programming II	3	
CSC 215	Natural Sciences and Mathematics - B	4	
			Subtotal: 16

Sophomore Year

First Semester

	Humanities and Fine Arts A	3	
	Social & Behavior Sciences B (1)	3	
CSC 218	Data Structures	3	
MATH 262	Discrete Methods	3	
	Free Elective	3	
			Subtotal: 15

Second Semester

CSC 260	Sophomore Seminar in Computer Science	1
	Social & Behavior Sciences B (2)	3
	Physical Education Activity	1
	Humanities and Fine Arts B	3
HLTH 185	Health Concepts	2
BUAD 190	Management Information Systems	3
	Free Elective	3

		Subtotal: 16
Junior Year		
First Semester		
MATH 351	Linear Algebra	3
	Free Elective	3
CSC 325	Database Systems	3
CSC 410	Net-Centric Computing	3
BUAD 115	Introduction to Business	3
		Subtotal: 15
Second Semester		
CSC 335	Introduction to Web Design	3
CSC 420	Operating Systems	3
CSC 314	Computer Architecture and Organization	3
STAT 251	Basic Statistics	3
	Concentration Elective 1	1
		Subtotal: 15
Senior Year		
First Semester		
	Major Requirements Core Elective 1	3
	Free Elective	3
CSC 412	Software Engineering	3
ACCT 210	Financial Accounting	3
MNGT 221	Principles of Management	3
		Subtotal: 15
Second Semester		
CSC 460	Senior Seminar in Computer Science	2
	Major Requirements Core Elective 2	3
	Free Elective	2
BMIS 380	Management Information Systems II	3
BMIS 425	IT and Cyber Security Management	3
		Subtotal: 13
Subtotal: 120		
Total Credit Hours: 240		

Engineering Technology with concentration in Computer Networking Engineering Technology, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for this major.

PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
	or	
PHYS 191	University Physics I	3
PHYS 181L	General Physics I Lab	1
	or	
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
ECON 201	Principles of Economics I	3
SPCH 314	Public Speaking	3

B. Major Requirements (40 hours)

ENGT 101	Introduction to Engineering Technology	3
ENGT 101L	Introduction to Engineering Technology Lab	1
ENGT 105	Computer-Aided Drafting (CAD) I	3
ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
ENGT 210	Materials and Processes	3
ENGT 210L	Material and Process Lab	1
ENGT 220	Instrumentation and Measurement System	3
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
ENGT 245	Introduction to LAN & WAN Technology	3
ENGT 311	Applied Mechanics	3
ENGT 311L	Applied Mechanics Lab	1
ENGT 361	Control Systems	3
ENGT 360L	Control System Lab	1
ENGT 455	Capstone Senior Project I	2
ENGT 498	Capstone Senior Project II	2
ENGT 490	Project Management	3

or

MNGT 421	Operations Management	3
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C. Related Area Requirements (14 hours)

CSC 114	Introduction to Computer Science	3
	or	
CSC 115	Programming I	3
MATH 165	Calculus of Single Variable I	4
MATH 265	Calculus of Single Variable II	4
ENGL 401	Technical Writing	3

D. Concentration Requirements (19 hours)

ENGT 215	PC Hardware & Software Support Technology	3
ENGT 215L	PC Hardware & Software and Operating System Lab	1
ENGT 255L	Basic Networking Lab	2
ENGT 340	Analog & Digital Communications	3
ENGT 345	Routing and Switching Protocols	3
ENGT 345L	Routing and Switching Protocols Lab	2
ENGT 470	Enterprise Network Security & Administration	3
ENGT 470L	Enterprise Network Security & Administration Lab	2

E. Free Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Engineering Technology with concentration in Computer Networking Engineering Technology

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
MATH 118	Precalculus	3
ENGT 101	Introduction to Engineering Technology	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3

Subtotal: 15

Second Semester

ENGL 103	Composition II	3
MATH 165	Calculus of Single Variable I	4
ENGT 101L	Introduction to Engineering Technology Lab	1
UNIV 120	Freshman Seminar II	1
PSY 212	General Psychology	3
	Humanities and Fine Arts C	2
	Physical Education Activity	1

Subtotal: 15

Sophomore Year

First Semester

ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
MATH 265	Calculus of Single Variable II	4
	Humanities and Fine Arts A	3
PHYS 191	University Physics I	3
	or	
PHYS 181	General Physics I	3
	or	
CHEM 101	General Chemistry I	3
PHYS 181L	General Physics I Lab	1
	or	
CHEM 101L	General Chemistry I Lab	1

Subtotal: 15

Second Semester

ENGT 210	Materials and Processes	3
ENGT 210L	Material and Process Lab	1
ENGT 105	Computer-Aided Drafting (CAD) I	3
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
ENGT 215	PC Hardware & Software Support Technology	3
ENGT 215L	PC Hardware & Software and Operating System Lab	1

Subtotal: 15

Junior Year

First Semester

ENGT 245	Introduction to LAN & WAN Technology	3
ENGT 220	Instrumentation and Measurement System	3
CSC 114	Introduction to Computer Science	3
	or	
CSC 115	Programming I	3
ENGT 311	Applied Mechanics	3
ENGT 311L	Applied Mechanics Lab	1
ENGT 225	Introduction to Bioenergy	3

Subtotal: 15

Second Semester

ENGL 401	Technical Writing	3
ENGT 361	Control Systems	3
ENGT 360L	Control System Lab	1
ENGT 340	Analog & Digital Communications	3
ENGT 345	Routing and Switching Protocols	3
ENGT 345L	Routing and Switching Protocols Lab	2

Subtotal: 15

Senior Year

First Semester

ENGT 455	Capstone Senior Project I	2
SPCH 314	Public Speaking	3
ENGT 470	Enterprise Network Security & Administration	3
ENGT 470L	Enterprise Network Security & Administration Lab	2
	Free Elective I	3
	Free Elective 2	3

Subtotal: 16

Second Semester

ENGT 498	Capstone Senior Project II	2
ECON 201	Principles of Economics I	3
ENGT 490	Project Management	3
	Free Elective	3
	Free Elective	3

Subtotal: 14

Subtotal: 120

Engineering Technology with a concentration in Electrical and Computer Engineering Technology, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for this major.

PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
	or	
PHYS 191	University Physics I	3
PHYS 181L	General Physics I Lab	1
	or	
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
ECON 201	Principles of Economics I	3
SPCH 314	Public Speaking	3

B. Major Requirements (40 hours)

ENGT 101	Introduction to Engineering Technology	3
ENGT 101L	Introduction to Engineering Technology Lab	1
ENGT 105	Computer-Aided Drafting (CAD) I	3
ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
ENGT 210	Materials and Processes	3
ENGT 210L	Material and Process Lab	1
ENGT 220	Instrumentation and Measurement System	3
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
ENGT 245	Introduction to LAN & WAN Technology	3
ENGT 311	Applied Mechanics	3
ENGT 311L	Applied Mechanics Lab	1
ENGT 361	Control Systems	3
ENGT 360L	Control System Lab	1
ENGT 455	Capstone Senior Project I	2

ENGT 498	Capstone Senior Project II	2
ENGT 490	Project Management	3
	or	
MNGT 421	Operations Management	3
C. Related Area Requirements (14 hours)		
CSC 114	Introduction to Computer Science	3
	or	
CSC 115	Programming I	3
MATH 165	Calculus of Single Variable I	4
MATH 265	Calculus of Single Variable II	4
ENGL 401	Technical Writing	3

D. Concentration Requirements (19 hours)		
ENGT 215L	PC Hardware & Software and Operating System Lab	1
ENGT 215	PC Hardware & Software Support Technology	3
ENGT 335	Analog and Digital Circuits II	3
ENGT 335L	Analog & Digital Circuits II Lab	1
ENGT 340	Analog & Digital Communications	3
	or	
CSC 410	Net-Centric Computing	3
ENGT 365	Computer Design and Implementation	3
	or	
CSC 314	Computer Architecture and Organization	3
ENGT 466	Microprocessor and Microcontroller	3
ENGT 466L	Microprocessor & Microcontroller Lab	2

E. Free Electives (12 hours)
Subtotal: 120

Curriculum Guide for Majors in Engineering Technology with concentration in Electrical and Computer Networking Engineering Technology

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
MATH 118	Precalculus	3
ENGT 101	Introduction to Engineering Technology	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3

Subtotal: 15

Second Semester

ENGL 103	Composition II	3
MATH 165	Calculus of Single Variable I	4
ENGT 101L	Introduction to Engineering Technology Lab	1
UNIV 120	Freshman Seminar II	1
PSY 212	General Psychology	3
	Humanities and Fine Arts C	2
	Physical Education Activity	1

Subtotal: 15

Sophomore Year

First Semester

ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
MATH 265	Calculus of Single Variable II	4

PHYS 191	Humanities and Fine Arts A	3
	University Physics I	3
	or	
PHYS 181	General Physics I	3
	or	
CHEM 101	General Chemistry I	3
PHYS 181L	General Physics I Lab	1
	or	
CHEM 101L	General Chemistry I Lab	1

Subtotal: 15

Second Semester

ENGT 210	Materials and Processes	3
ENGT 210L	Material and Process Lab	1
ENGT 105	Computer-Aided Drafting (CAD) I	3
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
ENGT 215	PC Hardware & Software Support Technology	3
ENGT 215L	PC Hardware & Software and Operating System Lab	1

Subtotal: 15

Junior Year

First Semester

ENGT 245	Introduction to LAN & WAN Technology	3
ENGT 220	Instrumentation and Measurement System	3
CSC 114	Introduction to Computer Science	3
	or	
CSC 115	Programming I	3
ENGT 311	Applied Mechanics	3
ENGT 311L	Applied Mechanics Lab	1
ENGT 335	Analog and Digital Circuits II	3
ENGT 335L	Analog & Digital Circuits II Lab	1

Subtotal: 17

Second Semester

ENGL 401	Technical Writing	3
ENGT 361	Control Systems	3
ENGT 360L	Control System Lab	1
ENGT 340	Analog & Digital Communications	3
SPCH 314	Public Speaking	3
ENGT 365	Computer Design and Implementation	3

Subtotal: 16

Senior Year

First Semester

ENGT 455	Capstone Senior Project I	2
ENGT 466	Microprocessor and Microcontroller	3
ENGT 466L	Microprocessor & Microcontroller Lab	2
	Free Elective I	3
	Free Elective 2	3

Subtotal: 13

Second Semester

ENGT 498	Capstone Senior Project II	2
ECON 201	Principles of Economics I	3
ENGT 490	Project Management	3
	Free Elective	3
	Free Elective	3

Subtotal: 14

Subtotal: 120

Engineering Technology with a Concentration in Mechanical Engineering Technology, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for this major.

PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
	or	
PHYS 191	University Physics I	3
PHYS 181L	General Physics I Lab	1
	or	
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
ECON 201	Principles of Economics I	3
SPCH 314	Public Speaking	3

B. Major Requirements (40 hours)

ENGT 101	Introduction to Engineering Technology	3
ENGT 101L	Introduction to Engineering Technology Lab	1
ENGT 105	Computer-Aided Drafting (CAD) I	3
ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
ENGT 210	Materials and Processes	3
ENGT 210L	Material and Process Lab	1
ENGT 220	Instrumentation and Measurement System	3
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
ENGT 245	Introduction to LAN & WAN Technology	3
ENGT 311	Applied Mechanics	3
ENGT 311L	Applied Mechanics Lab	1
ENGT 361	Control Systems	3
ENGT 360L	Control System Lab	1
ENGT 455	Capstone Senior Project I	2
ENGT 498	Capstone Senior Project II	2
ENGT 490	Project Management	3
	or	
MNGT 421	Operations Management	3

C. Related Area Requirements (14 hours)

CSC 114	Introduction to Computer Science	3
	or	
CSC 115	Programming I	3
MATH 165	Calculus of Single Variable I	4
MATH 265	Calculus of Single Variable II	4
ENGL 401	Technical Writing	3

D. Concentration Requirements (19 hours)

ENGT 320	Applied Fluid Mechanics	3
ENGT 370	Computer Aided Design and Manufacturing	3
ENGT 386	Strength of Materials	3
ENGT 415	Machine Design	3
ENGT 420	Thermal Systems	3

ENGT 425	Thermal-Fluid Lab	1
ENGT 460	Engineering Software Applications	3

E. Free Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Engineering Technology with concentration in Mechanical Engineering Technology

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
MATH 118	Precalculus	3
ENGT 101	Introduction to Engineering Technology	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3
	Subtotal:	15

Second Semester

ENGL 103	Composition II	3
MATH 165	Calculus of Single Variable I	4
ENGT 101L	Introduction to Engineering Technology Lab	1
UNIV 120	Freshman Seminar II	1
PSY 212	General Psychology	3
	Humanities and Fine Arts C	2
	Physical Education Activity	1
	Subtotal:	15

Sophomore Year

First Semester

ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
MATH 265	Calculus of Single Variable II	4
	Humanities and Fine Arts A	3
PHYS 191	University Physics I	3
	or	
PHYS 181	General Physics I	3
	or	
CHEM 101	General Chemistry I	3
PHYS 181L	General Physics I Lab	1
	or	
CHEM 101L	General Chemistry I Lab	1
	Subtotal:	15

Second Semester

ENGT 210	Materials and Processes	3
ENGT 210L	Material and Process Lab	1
ENGT 105	Computer-Aided Drafting (CAD) I	3
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
ECON 201	Principles of Economics I	3
	Subtotal:	14

Junior Year

First Semester

ENGT 245	Introduction to LAN & WAN Technology	3
ENGT 220	Instrumentation and Measurement System	3
CSC 114	Introduction to Computer Science	3
	or	

CSC 115	Programming I	3
ENGT 311	Applied Mechanics	3
ENGT 311L	Applied Mechanics Lab	1
ENGT 370	Computer Aided Design and Manufacturing	3
		Subtotal: 16

Second Semester

ENGL 401	Technical Writing	3
ENGT 361	Control Systems	3
ENGT 360L	Control System Lab	1
SPCH 314	Public Speaking	3
ENGT 386	Strength of Materials	3
ENGT 320	Applied Fluid Mechanics	3
		Subtotal: 16

Senior Year

First Semester

ENGT 455	Capstone Senior Project I	2
ENGT 415	Machine Design	3
ENGT 420	Thermal Systems	3
ENGT 425	Thermal-Fluid Lab	1
	Free Elective I	3
	Free Elective 2	3
		Subtotal: 15

Second Semester

ENGT 498	Capstone Senior Project II	2
ENGT 490	Project Management	3
ENGT 460	Engineering Software Applications	3
	Free Elective	3
	Free Elective	3
		Subtotal: 14

Subtotal: 120

Engineering Technology with concentration in Robotics and Autonomous Systems Engineering Technology, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for this major.

PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
	or	
PHYS 191	University Physics I	3
PHYS 181L	General Physics I Lab	1
ECON 201	Principles of Economics I	3
SPCH 314	Public Speaking	3

B. Major Requirements (40 hours)

ENGT 101	Introduction to Engineering Technology	3
ENGT 101L	Introduction to Engineering Technology Lab	1
ENGT 105	Computer-Aided Drafting (CAD) I	3
ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
ENGT 210	Materials and Processes	3

ENGT 210L	Material and Process Lab	1
ENGT 220	Instrumentation and Measurement System	3
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
ENGT 245	Introduction to LAN & WAN Technology	3
ENGT 311	Applied Mechanics	3
ENGT 311L	Applied Mechanics Lab	1
ENGT 361	Control Systems	3
ENGT 360L	Control System Lab	1
ENGT 455	Capstone Senior Project I	2
ENGT 498	Capstone Senior Project II	2
ENGT 490	Project Management	3
	or	
MNGT 421	Operations Management	3

C. Related Area Requirements (14 hours)

CSC 114	Introduction to Computer Science	3
	or	
CSC 115	Programming I	3
MATH 165	Calculus of Single Variable I	4
MATH 265	Calculus of Single Variable II	4
ENGL 401	Technical Writing	3

D. Concentration Requirements (19 hours)

ENGT 305	Introduction to Autonomous Mobile Robotics	3
ENGT 335	Analog and Digital Circuits II	3
ENGT 335L	Analog & Digital Circuits II Lab	1
ENGT 365	Computer Design and Implementation	3
CSC 314	Computer Architecture and Organization	3
ENGT 400	Advanced Mobile Robotics: UGV	3
ENGT 410	Mechatronics System Design	3
CSC 115	Programming I	3
	or	
CSC 215	Programming II	3
ENGT 466	Microprocessor and Microcontroller	3
	or	
	Any ENGT 400 level course	

E. Free Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Engineering Technology with concentration in Robotics and Autonomous Engineering Technology

Freshman Year

First Semester

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
MATH 118	Precalculus	3
ENGT 101	Introduction to Engineering Technology	3
HLTH 185	Health Concepts	2
	Social & Behavior Sciences A	3
		Subtotal: 15

Second Semester

ENGL 103	Composition II	3
MATH 165	Calculus of Single Variable I	4

ENGT 101L	Introduction to Engineering Technology Lab	1
UNIV 120	Freshman Seminar II	1
	Humanities and Fine Arts C	2
	Physical Education Activity	1
	Social & Behavior Sciences B (1)	3
		Subtotal: 15

Sophomore Year

First Semester

ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
MATH 265	Calculus of Single Variable II	4
	Humanities and Fine Arts A	3
PHYS 191	University Physics I	3
	or	
PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
		Subtotal: 15

Second Semester

ENGT 210	Materials and Processes	3
ENGT 210L	Material and Process Lab	1
ENGT 105	Computer-Aided Drafting (CAD) I	3
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
CSC 114	Introduction to Computer Science	3
	or	
CSC 115	Programming I	3
		Subtotal: 14

Junior Year

First Semester

ENGT 245	Introduction to LAN & WAN Technology	3
ENGT 220	Instrumentation and Measurement System	3
CSC 115	Programming I	3
	or	
CSC 215	Programming II	3
ENGT 311	Applied Mechanics	3
ENGT 311L	Applied Mechanics Lab	1
ENGT 335	Analog and Digital Circuits II	3
ENGT 335L	Analog & Digital Circuits II Lab	1
		Subtotal: 17

Second Semester

ENGL 401	Technical Writing	3
ENGT 361	Control Systems	3
ENGT 360L	Control System Lab	1
ENGT 305	Introduction to Autonomous Mobile Robotics	3
ENGT 365	Computer Design and Implementation	3
SPCH 314	Public Speaking	3
		Subtotal: 16

Senior Year

First Semester

ENGT 455	Capstone Senior Project I	2
ENGT 400	Advanced Mobile Robotics: UGV	3
ENGT 466	Microprocessor and Microcontroller	3
	Free Elective	3
	Free Elective	3
		Subtotal: 14

Second Semester

ENGT 498	Capstone Senior Project II	2
ECON 201	Principles of Economics I	3
ENGT 490	Project Management	3
	Free Elective	3
	Free Elective	3
		Subtotal: 14

Subtotal: 120

Mathematics, B.S.

Curriculum

A. General Education courses (35 hours)

B. Major Requirements (52 hours)

1. Core Courses (40 hours)

MATH 165	Calculus of Single Variable I	4
MATH 265	Calculus of Single Variable II	4
MATH 267	Calculus of Several Variables III	4
MATH 275	Foundations of Mathematics	3
MATH 350	Number Theory	3
MATH 351	Linear Algebra	3
MATH 354	Abstract Algebra I	3
MATH 358	Differential Equations	3
MATH 365	Exit Seminar for Juniors	2
MATH 455	Elements of Real Analysis	3
MATH 466	Exit Seminar in Mathematics	2
MATH 467	Senior Capstone	3
STAT 351	Probability and Statistics I	3

2. Core Electives (12 hours)

Select 12 credits from the courses listed below:

MATH 352	College Geometry	3
MATH 345	History of Mathematics	3
MATH 360	Applied Cryptography & Data Security	3
MATH 366	Complex Variables	3
MATH 410	Linear Optimization	3
MATH 452	Internship	3
MATH 454	Abstract Algebra II	3
MATH 456	Contemporary Issues in Math Education	3
MATH 459	Special Studies/Seminars in Mathematics	1-3
MATH 462	Mathematical Modeling	3
STAT 352	Probability and Statistics II	3
CSC 305	Introduction to Bioinformatics	3
CSC 451	Numerical and Symbolic Computing	3

C. Related Area Requirements (12 hours)

1. Related Core (9 hours)

CSC 114	Introduction to Computer Science	3
CSC 115	Programming I	3
STAT 251	Basic Statistics	3

2. Related Elective 1 (3 hours)

Select 3 credits from the courses below:

CSC 215	Programming II	3
CSC 230	Object-Oriented Programming	3
CSC 414	Python Programming & Visualization	3

D. Free Electives (21 hours)

Subtotal: 120

Free Elective	3
Free Elective	3
Free Elective	3
Subtotal:	15

Curriculum Guide for Mathematics Major

Freshman Year

First Semester

MATH 118	Precalculus	3
UNIV 110	Freshman Seminar	1
ENGL 102	Composition I	3
	Social & Behavior Sciences A	3
HLTH 185	Health Concepts	2
	Natural Sciences and Mathematics - B	4
	Subtotal:	16

Second Semester

MATH 165	Calculus of Single Variable I	4
ENGL 103	Composition II	3
	Humanities and Fine Arts C	2
	Physical Education Activity	1
	Social Behavioral Science	3
UNIV 120	Freshman Seminar II	1
	Subtotal:	14

Sophomore Year

First Semester

MATH 265	Calculus of Single Variable II	4
CSC 114	Introduction to Computer Science	3
	Humanities and Fine Arts A	3
	Social & Behavior Sciences B (1)	3
MATH 275	Foundations of Mathematics	3
	Subtotal:	16

Second Semester

MATH 267	Calculus of Several Variables III	4
MATH 351	Linear Algebra	3
CSC 115	Programming I	3
	Humanities and Fine Arts B	3
STAT 251	Basic Statistics	3
	Subtotal:	16

Junior Year

First Semester

STAT 351	Probability and Statistics I	3
	Related Area Elective I	3
MATH 350	Number Theory	3
	Major Requirements Core Elective 1	3
	Free Elective	3
	Subtotal:	15

Second Semester

MATH 365	Exit Seminar for Juniors	2
MATH 358	Differential Equations	3
MATH 354	Abstract Algebra I	3
	Free Elective	3
	Major Requirements Core Elective 2	3
	Subtotal:	14

Senior Year

First Semester

MATH 455	Elements of Real Analysis	3
	Major Requirements Core Elective 3	3

Second Semester

MATH 467	Senior Capstone	3
	Major Requirements Core Elective 4	3
	Free Elective	3
	Free Elective	3
MATH 466	Exit Seminar in Mathematics	2
	Subtotal:	14

Curriculum Guide for Mathematics Major with a minor in Secondary Education

Freshman Year

First Semester

MATH 118	Precalculus	3
UNIV 110	Freshman Seminar	1
	Social & Behavior Sciences A	3
HLTH 185	Health Concepts	2
	Natural Sciences and Mathematics - B	4
ENGL 102	Composition I	3
	Subtotal:	16

Second Semester

UNIV 120	Freshman Seminar II	1
MATH 165	Calculus of Single Variable I	4
	Humanities and Fine Arts C	2
	Physical Education Activity	1
ENGL 103	Composition II	3
	Social & Behavior Sciences B (1)	3
	Subtotal:	14

Sophomore Year

First Semester

MATH 265	Calculus of Single Variable II	4
CSC 114	Introduction to Computer Science	3
	Humanities and Fine Arts A	3
	Social & Behavior Sciences B (2)	3
MATH 275	Foundations of Mathematics	3
	Subtotal:	16

Second Semester

MATH 267	Calculus of Several Variables III	4
MATH 351	Linear Algebra	3
CSC 115	Programming I	3
	Humanities and Fine Arts B	3
STAT 251	Basic Statistics	3
	Subtotal:	16

Junior Year

First Semester

STAT 351	Probability and Statistics I	3
	Related Area Elective 1	3
MATH 350	Number Theory	3
EDUC 210	Professional Studies I: Introduction to Education	3
	Major Core Elective (3 hours)	3
	Subtotal:	15

Second Semester

MATH 365	Exit Seminar for Juniors	2
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MATH 358	Differential Equations	3
MATH 354	Abstract Algebra I	3
	Major Core Elective (3 hours)	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 350	Teaching Intermediate & Content Reading	3
		Subtotal: 14

Senior Year

First Semester

MATH 455	Elements of Real Analysis	3
MATH	Math Elective 3	3
MATH	Math Elective 4	3
EDUC 360	Teaching and Assessment	3
MATH 467	Senior Capstone	3
		Subtotal: 15

Second Semester

EDUC 464	Observation and Supervised Teaching in Mathematics	6
EDUC 478	Seminar in Contemporary Educational Issues	P/F
		Subtotal: 12

Minor Areas Offered in the Department

Computer Science, Minor

Curriculum

Required Courses

CSC 114	Introduction to Computer Science	3
CSC 230	Object-Oriented Programming	3
CSC 218	Data Structures	3
CSC 420	Operating Systems	3
CSC 325	Database Systems	3
CSC	Computer Science Elective I	3
		Subtotal: 18

Subtotal: 18

Total Credit Hours:
18

Mathematics, Minor

Curriculum

Required Courses

MATH 275	Foundations of Mathematics	3
MATH 267	Calculus of Several Variables III	4
MATH 351	Linear Algebra	3
MATH 358	Differential Equations	3
STAT 351	Probability and Statistics I	3

Choose one of the following:

MATH 354	Abstract Algebra I	3
MATH 360	Applied Cryptography & Data Security	3
MATH 410	Linear Optimization	3
MATH 455	Elements of Real Analysis	3
MATH 462	Mathematical Modeling	3
		Subtotal: 19

Computer Networking Engineering Technology, Minor

Curriculum

Required Courses

ENGT 215	PC Hardware & Software Support Technology	3
ENGT 215L	PC Hardware & Software and Operating System Lab	1
ENGT 245	Introduction to LAN & WAN Technology	3
ENGT 255L	Basic Networking Lab	2
ENGT 340	Analog & Digital Communications	3
ENGT 345	Routing and Switching Protocols	3
ENGT 345L	Routing and Switching Protocols Lab	2
ENGT 470	Enterprise Network Security & Administration	3
ENGT 470L	Enterprise Network Security & Administration Lab	2
		Subtotal: 22

Subtotal: 22

Electrical and Computer Engineering Technology, Minor

Curriculum

Required Courses

ENGT 205	Circuit Analysis with Lab	3
ENGT 205L	Circuit Analysis Lab	1
ENGT 215	PC Hardware & Software Support Technology	3
ENGT 215L	PC Hardware & Software and Operating System Lab	1
ENGT 235	Analog and Digital Circuits I	3
ENGT 235L	Analog & Digital Circuits I Lab	1
ENGT 335	Analog and Digital Circuits II	3
ENGT 335L	Analog & Digital Circuits II Lab	1
ENGT 365	Computer Design and Implementation	3
ENGT 466	Microprocessor and Microcontroller	3
		Subtotal: 22

ENGT 465: or any other related course

Subtotal: 21

Mechanical Engineering Technology, Minor

Curriculum

Required Courses

ENGT 105	Computer-Aided Drafting (CAD) I	3
ENGT 210	Materials and Processes	3
ENGT 210L	Material and Process Lab	1
ENGT 311	Applied Mechanics	3
ENGT 311L	Applied Mechanics Lab	1
ENGT 320	Applied Fluid Mechanics	3
ENGT 370	Computer Aided Design and Manufacturing	3

ENGT 386	Strength of Materials	3
ENGT 420	Thermal Systems	3
		Subtotal: 23

Subtotal: 21

DEPARTMENT OF NATURAL SCIENCES

The Department of Natural Sciences provides a solid educational foundation in both theoretical and investigative science with an emphasis on critical thinking and problem solving skills. The department prepares students for productive careers in natural sciences and entry into graduate or professional schools. The department offers three majors leading to the Bachelor of Science Degree: Bachelor of Science in Biology, and Bachelor of Science in Chemistry. The department offers one major leading to the Master of Science Degree with a concentration in Biological Sciences or Biology Education.

Students have the option of selecting a minor in Comprehensive Science which prepares them to receive a Class "A" public instruction license. Students also have the option of selecting a concentration from the following:

General Biology
Pre-medicine/Pre-dentistry
Molecular Biology/Biotechnology

PROGRAM GOALS

Assist students in understanding basic unifying scientific principles through the provision of relevant facts, concepts, and theories;

Provide learning experiences to stimulate critical thinking and problem solving skills;

Enhance the overall educational experience of students with an interdisciplinary curriculum designed to enhance student performance on professional examinations;

Prepare students to be competitive for entry into the workforce or graduate and professional programs;

Collaborate with public school teachers, graduates, and professional institutions to broaden scientific career opportunities;

Attract, recruit, retain and produce more competitive students by enhancing program offerings and

requirements to meet the global needs of the science major; and

Provide an atmosphere that will promote participation of faculty and students in professional development and community outreach activities.

Biology - Concentration in Comprehensive Science Licensure, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (31 hours)

BIOL 101	General Biology for Majors I	4
BIOL 102	General Biology for Majors II	4
BIOL 210	Genetics	4
BIOL 220	General Zoology	4
BIOL 221	General Botany	4
BIOL 341	Microbiology	4
BIOL 352	Molecular Biology/Lab	4
BIOL 486	Scientific Communication and Capstone	3

* Students must obtain a minimum grade of C in all Major Core Requirements, Related Area Core Requirements and Minor Core Requirements.

C. Related Area Requirements (16 hours)

PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1

D. Concentration Requirements (22 hours)

ENSC 101	General Environmental Science	3
ENSC 101L	General Environmental Science Laboratory	1
BIOL 304	Organic Evolution	3
BIOL 307	Human Physiology	4
BIOL 487	Statistical Applications in the Sciences	3
GEOL 158L	Principles of Geological Science Lab	1
CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1

*Student completes biology comprehensive science degree but must complete the minor in secondary education which includes student teaching for licensure. Free electives will be prescribed secondary education minor courses.

E. Free Electives (16 hours)

Minor in Secondary Education

EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3

EDUC 350	Teaching Intermediate & Content Reading	3
EDUC 360	Teaching and Assessment	3
EDUC 430	Secondary Instructional Methods (9-12)	3
EDUC 476	Observation and Supervised Teaching in Biology	6
EDUC 478	Seminar in Contemporary Educational Issues	P/F

Subtotal: 120

Curriculum Guide for Majors in Biology (Comprehensive Science Licensure)

Freshman Year

First Semester

BIOL 101	General Biology for Majors I	4
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
UNIV 110	Freshman Seminar	1
	Physical Education Activity	1
	Humanities and Fine Arts C	2

Subtotal: 17

Second Semester

BIOL 102	General Biology for Majors II	4
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
MATH 118	Precalculus	3
ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences A	3

Subtotal: 18

Sophomore Year

First Semester

BIOL 210	Genetics	4
BIOL 220	General Zoology	4
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1
SPAN 101	Elementary Spanish	3

Subtotal: 15

Second Semester

BIOL 221	General Botany	4
PSY 212	General Psychology	3
GEOG 142	Introduction to Geography	3
	Humanities and Fine Arts A	3
BIOL 341	Microbiology	4

Subtotal: 17

Junior Year

First Semester

BIOL 352	Molecular Biology/Lab	4
PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
EDUC 210	Professional Studies I: Introduction to Education	3
	Free Elective	3

Subtotal: 14

Second Semester

PHYS 182	General Physics II	3
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PHYS 182L	General Physics II Lab	1
EDUC 310	Professional Studies II: Special Education & Diverse Learners	3
EDUC 350	Teaching Intermediate & Content Reading	3
	Free Elective	3

Subtotal: 13

Senior Year

First Semester

EDUC 360	Teaching and Assessment	3
BIOL 486	Scientific Communication and Capstone	3
EDUC 430	Secondary Instructional Methods (9-12)	3
	Free Elective	3
	Biology 300-400 Elective 2	2

Subtotal: 14

Second Semester

EDUC 476	Observation and Supervised Teaching in Biology	6
EDUC 478	Seminar in Contemporary Educational Issues	P/F

Subtotal: 12

Subtotal: 120

Total Credit Hours:
120

Biology - Concentration in General Biology, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (60 hours)

1. Core Courses (31 hours)

BIOL 101	General Biology for Majors I	4
BIOL 102	General Biology for Majors II	4
BIOL 210	Genetics	4
BIOL 220	General Zoology	4
BIOL 221	General Botany	4
BIOL 341	Microbiology	4
BIOL 352	Molecular Biology/Lab	4
BIOL 486	Scientific Communication and Capstone	3

2. Core Electives (29 hours)

BIOL 300	General Ecology	4
BIOL 304	Organic Evolution	3
BIOL 307	Human Physiology	4
BIOL 487	Statistical Applications in the Sciences	3
CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1
CHEM 401	Biochemistry	3
CHEM 401L	Biochemistry Lab	1

Select 7 hours from BIOL 300 and/or 400 level courses

Seven (7) hours of 300 and/or 400 level BIOL courses

C. Related Area Requirements (16 hours)

CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1
PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1

D. Free Electives (9 hours)

**Students must obtain a minimum grade of "C" in all Major Core Requirements and Related Area Course Requirements.*

Subtotal: 120

Curriculum Guide for Majors in Biology General Biology

Freshman Year**First Semester**

BIOL 101	General Biology for Majors I	4
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
HLTH 185	Health Concepts	2
ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
	Physical Education Activity	1
		Subtotal: 15

Second Semester

BIOL 102	General Biology for Majors II	4
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
MATH 118	Precalculus	3
ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
		Subtotal: 15

Sophomore Year**First Semester**

BIOL 210	Genetics	4
BIOL 220	General Zoology	4
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1
	Social & Behavior Sciences A	3
		Subtotal: 15

Second Semester

BIOL 221	General Botany	4
BIOL 341	Microbiology	4
CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1
	Humanities and Fine Arts A	3
	Humanities and Fine Arts C	2
		Subtotal: 17

Junior Year**First Semester**

PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
CHEM 401	Biochemistry	3
CHEM 401L	Biochemistry Lab	1
BIOL 304	Organic Evolution	3

PSY 212	General Psychology	3
	Humanities and Fine Arts B	3
		Subtotal: 17

Second Semester

PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1
BIOL 300	General Ecology	4
BIOL 487	Statistical Applications in the Sciences	3
	Social & Behavior Sciences B (1)	3
		Subtotal: 14

Senior Year**First Semester**

Select 3 hours of any BIOL 300 or 400 level Elective

BIOL 352	Molecular Biology/Lab	4
BIOL 307	Human Physiology	4
	Free Elective	3
		Subtotal: 14

Second Semester

Select 4 hours of any BIOL 300 or 400 level elective.

BIOL 486	Scientific Communication and Capstone	3
	Free Electives	6
		Subtotal: 13

Subtotal: 120

Biology - Concentration in Molecular Biology/Biotechnology, B.S.

Curriculum**A. General Education Requirements (35 hours)****B. Major Requirements (31 hours)**

BIOL 101	General Biology for Majors I	4
BIOL 102	General Biology for Majors II	4
BIOL 210	Genetics	4
BIOL 220	General Zoology	4
BIOL 221	General Botany	4
BIOL 341	Microbiology	4
BIOL 352	Molecular Biology/Lab	4
BIOL 486	Scientific Communication and Capstone	3

C. Related Area Requirements (16 hours)

PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1

D. Concentration Requirements (29 hours)

BIOL 380	Cell Biology	3
BIOL 487	Statistical Applications in the Sciences	3
BIOL 499	Biological Research	3
CHEM 401	Biochemistry	3
CHEM 401L	Biochemistry Lab	1

CSC 114	Introduction to Computer Science	3
CSC 115	Programming I	3
CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1

Select 6 hours from BIOL 300 and/or 400 level courses

Select (6) hours of 300 and/or 400 level BIOL courses

E. Free Electives (9 hours)

Subtotal: 120

Curriculum Guide for Majors in Biology Molecular Biology/Biotechnology

Freshman Year**First Semester**

BIOL 101	General Biology for Majors I	4
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
UNIV 110	Freshman Seminar	1
	Physical Education Activity	1
		Subtotal: 15

Second Semester

BIOL 102	General Biology for Majors II	4
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
ENGL 103	Composition II	3
MATH 165	Calculus of Single Variable I	4
UNIV 120	Freshman Seminar II	1
		Subtotal: 16

Sophomore Year**First Semester**

BIOL 210	Genetics	4
BIOL 220	General Zoology	4
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1
	Social & Behavior Sciences A	3
		Subtotal: 15

Second Semester

BIOL 221	General Botany	4
BIOL 341	Microbiology	4
CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1
	Humanities and Fine Arts A	3
		Subtotal: 15

Junior Year**First Semester**

BIOL 487	Statistical Applications in the Sciences	3
CHEM 401	Biochemistry	3
CHEM 401L	Biochemistry Lab	1
PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
PSY 212	General Psychology	3
CSC 114	Introduction to Computer Science	3
		Subtotal: 17

Second Semester

BIOL 352	Molecular Biology/Lab	4
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PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1
	Humanities and Fine Arts B	3
	Biology 300-400 Elective 2	2
	Social & Behavior Science Elective	3
		Subtotal: 16

Senior Year**First Semester**

BIOL 380	Cell Biology	3
BIOL 499	Biological Research	3
CSC 115	Programming I	3
	Humanities and Fine Arts C	2
	Free Elective	3
		Subtotal: 14

Second Semester

BIOL 486	Scientific Communication and Capstone	3
	Biology 300-400 Elective 3	3
	Free Electives	6
		Subtotal: 12

Subtotal: 120

Biology - Concentration in Pre-Medicine/Pre-Dentistry, B.S.

Curriculum**A. General Education Requirements (35 hours)****B. Major Requirements (31 hours)**

BIOL 101	General Biology for Majors I	4
BIOL 102	General Biology for Majors II	4
BIOL 210	Genetics	4
BIOL 220	General Zoology	4
BIOL 221	General Botany	4
BIOL 341	Microbiology	4
BIOL 352	Molecular Biology/Lab	4
BIOL 486	Scientific Communication and Capstone	3

C. Related Area Requirements (16 hours)

CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1
PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1

D. Concentration Requirements (28 hours)

BIOL 306	Human Anatomy	4
BIOL 307	Human Physiology	4
BIOL 380	Cell Biology	3
BIOL 487	Statistical Applications in the Sciences	3
CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1
CHEM 401	Biochemistry	3
CHEM 401L	Biochemistry Lab	1

Select 6 hours from BIOL 300 and/or 400 level courses

Subtotal: 15

Select (6) hours of 300 and/or 400 level BIOL courses

E. Free Electives (10 hours)

Subtotal: 120

Curriculum Guide for Majors in Biology Pre-Medicine/Pre-Dentistry

Freshman Year**First Semester**

BIOL 101	General Biology for Majors I	4
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
ENGL 102	Composition I	3
HLTH 185	Health Concepts	2
UNIV 110	Freshman Seminar	1
	Physical Education Activity	1
		Subtotal: 15

Second Semester

BIOL 102	General Biology for Majors II	4
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
MATH 165	Calculus of Single Variable I	4
ENGL 103	Composition II	3
UNIV 120	Freshman Seminar II	1
		Subtotal: 16

Sophomore Year**First Semester**

BIOL 210	Genetics	4
BIOL 220	General Zoology	4
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1
	Social & Behavior Sciences A	3
		Subtotal: 15

Second Semester

BIOL 221	General Botany	4
BIOL 341	Microbiology	4
CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1
	Humanities and Fine Arts A	3
		Subtotal: 15

Junior Year**First Semester**

PHYS 181	General Physics I	3
PHYS 181L	General Physics I Lab	1
CHEM 401	Biochemistry	3
CHEM 401L	Biochemistry Lab	1
BIOL 306	Human Anatomy	4
BIOL 487	Statistical Applications in the Sciences	3
PSY 212	General Psychology	3
		Subtotal: 18

Second Semester

PHYS 182	General Physics II	3
PHYS 182L	General Physics II Lab	1
BIOL 307	Human Physiology	4
BIOL 352	Molecular Biology/Lab	4
	Social & Behavior Science Elective	3

Senior Year**First Semester**

BIOL 380	Cell Biology	3
	Free Elective	3
	Humanities and Fine Arts B	3
	Humanities and Fine Arts C	2
	Free Elective	3
		Subtotal: 14

Second Semester

BIOL 486	Scientific Communication and Capstone	3
	Free Elective	3
	Biology 300-400 Elective 3	3
	Biology 300-400 Elective 3	3
		Subtotal: 12

Subtotal: 120

Academic Concentration: Biology**Curriculum****Required Courses**

BIOL 101	General Biology for Majors I	4
BIOL 102	General Biology for Majors II	4
BIOL 306	Human Anatomy	4
BIOL 307	Human Physiology	4
BIOL 341	Microbiology	4
BIOL 380	Cell Biology	3
BIOL 210	Genetics	4
BIOL 300	General Ecology	4

Subtotal: 31

Chemistry, B.S.**Curriculum****A. General Education Requirements (35 hours)**

The following General Education courses are required for the major.

CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
PSY 212	General Psychology	3
SPCH 314	Public Speaking	3

B. Major Requirements (52 hours)**1. Core Courses (41 hours)**

CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
CHEM 200	Additional Topics in General Chemistry	3
CHEM 202	Quantitative Analysis	2
CHEM 202L	Quantitative Analysis	2
CHEM 205	Inorganic Chemistry/Lab	4
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1
CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1
CHEM 350	Chemistry Seminar	1
CHEM 401	Biochemistry	3
CHEM 401L	Biochemistry Lab	1

CHEM 403	Physical Chemistry I	3
CHEM 403L	Physical Chemistry I Lab	1
CHEM 405	Instrumental Methods of Chemical Analysis	2
CHEM 405L	Instrumental Methods of Chemical Analysis Laboratory	2
CHEM 450	Chemistry: An Integrated Approach	3
CHEM 499	Chemical Research	1-3

2. Core Electives (11 hours)

Select 7 hours from the courses listed below:

CHEM 402	Biochemistry II	3
CHEM 402L	Biochemistry II Lab	1
CHEM 404	Physical Chemistry II	3
CHEM 404L	Physical Chemistry II Lab	1
CHEM 407	Applied Biochemistry	4
CHEM 425	Selected Topics in Organic Chemistry	4
CHEM 430	Introduction to Medicinal Chemistry	3
CHEM 435	Special Topics In Physical Chemistry	3

C. Related Area Requirements (24 hours)

BIOL 101	General Biology for Majors I	4
BIOL 102	General Biology for Majors II	4
PHYS 191	University Physics I	3
PHYS 181L	General Physics I Lab	1
PHYS 192	University Physics II	3
PHYS 182L	General Physics II Lab	1
MATH 165	Calculus of Single Variable I	4
MATH 265	Calculus of Single Variable II	4

D. Concentration Requirements (0 hours)**E. Free Electives (9 hours)**

Subtotal: 120

Curriculum Guide for Major in Chemistry**Freshman Year****First Semester**

ENGL 102	Composition I	3
UNIV 110	Freshman Seminar	1
CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
	Math/Science Elective	3
	Humanities and Fine Arts C	2
HLTH 185	Health Concepts	2
		Subtotal: 15

Second Semester

ENGL 103	Composition II	3
MATH 165	Calculus of Single Variable I	4
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
UNIV 120	Freshman Seminar II	1
	Social & Behavior Sciences A	3
		Subtotal: 15

Sophomore Year**First Semester**

MATH 265	Calculus of Single Variable II	4
BIOL 101	General Biology for Majors I	4
CHEM 200	Additional Topics in General Chemistry	3

Humanities and Fine Arts A	3
Physical Education Activity	1
Subtotal:	15

Second Semester

CHEM 202	Quantitative Analysis	2
CHEM 202L	Quantitative Analysis	2
BIOL 102	General Biology for Majors II	4
	Social & Behavior Sciences B (1)	3
SPCH 314	Public Speaking	3
PSY 212	General Psychology	3
		Subtotal: 17

Junior Year**First Semester**

CHEM 350	Chemistry Seminar	1
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1
PHYS 191	University Physics I	3
PHYS 181L	General Physics I Lab	1
	Major Core Elective (4 hrs)	4
	Free Elective	3
		Subtotal: 16

Second Semester

CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1
CHEM 205	Inorganic Chemistry/Lab	4
	Major Core Elective (3 hours)	3
PHYS 192	University Physics II	3
PHYS 182L	General Physics II Lab	1
		Subtotal: 15

Senior Year**First Semester**

CHEM 401	Biochemistry	3
CHEM 401L	Biochemistry Lab	1
CHEM 405	Instrumental Methods of Chemical Analysis	2
CHEM 405L	Instrumental Methods of Chemical Analysis Laboratory	2
	Major Core Elective (4 hrs)	4
	Free Elective	3
		Subtotal: 15

Second Semester

CHEM 499	Chemical Research	1-3
CHEM 450	Chemistry: An Integrated Approach	3
CHEM 403	Physical Chemistry I	3
CHEM 403L	Physical Chemistry I Lab	1
	Free Elective	3
		Subtotal: 12

Biology, Minor**Curriculum****Required Courses**

BIOL 101	General Biology for Majors I	4
BIOL 102	General Biology for Majors II	4

Minor Electives I

Select any BIOL 300/400 level course with a lab.

Minor Elective II

Select two courses from the following:

BIOL 220	General Zoology	4
BIOL 221	General Botany	4
BIOL 210	Genetics	4
BIOL 341	Microbiology	4

Subtotal: 20

Chemistry, Minor**Curriculum****17 hours**

CHEM 101	General Chemistry I	3
CHEM 101L	General Chemistry I Lab	1
CHEM 102	General Chemistry II	3
CHEM 102L	General Chemistry II Lab	1
CHEM 202	Quantitative Analysis	2
CHEM 202L	Quantitative Analysis	2
CHEM 301	Organic Chemistry I	3
CHEM 301L	Organic Chemistry I Lab	1

Select One Course From The Following 4 hours

CHEM 302	Organic Chemistry II	3
CHEM 302L	Organic Chemistry II Lab	1
	OR	
CHEM 401	Biochemistry	3
CHEM 401L	Biochemistry Lab	1
	OR	
CHEM 403	Physical Chemistry I	3
CHEM 403L	Physical Chemistry I Lab	1

Subtotal: 20

GIS/Remote Sensing, Minor**Curriculum****Required Courses**

CSC 115	Programming I	3
GEOG 221	Cartographic Principles	3
GEOL 332	Geomorphology	3
GEOL 360	Principles of Geographic Information System (GIS)	4
GEOL 365	Introduction to Remote Sensing and Digital Image Processing	4
GEOL 461	Advanced Geographic Information System	4

Subtotal: 21

COURSE DESCRIPTIONS

COURSE ABBREVIATIONS

Elizabeth City State University has established a set of standardized abbreviations for its departments and courses. These abbreviations should be used in making out class schedule forms and at all times when referring to specific course offerings.

SYSTEM OF COURSE NUMBERS

Each course is defined by a Course Abbreviation and a number. The number of each course has three digits. The first digit indicates the classification level. The second and the third digit distinguish the course from other courses in the classification. The parentheses following the course name represent the number of credits being given for the course and the term(s) when it is offered. Courses marked with an asterisk (*) are required courses.

Example:

GE (*General Education*) **106** (*First Level Classification*): **College Reading** (*Title of Course*) **(2)** (*Credits*) **(F; S; SS)** (*Course offered Fall, Spring, Summer*).

ABBREVIATIONS & CORRESPONDING DEPARTMENTS

The following chart represents the courses offered in relation to their Departments:

ACCT	—	Accounting	—	Department of Business, Accounting and Sports Management
ART	—	Art	—	Department of Music and Visual Arts
ARTH	—	Art History	—	Department of Music and Visual Arts
ATC	—	Air Traffic Control	—	Department of Aviation and Emergency Management
AVI	—	Aviation Science	—	Department of Aviation and Emergency Management
AVNC	—	Avionics	—	Department of Aviation and Emergency Management
BFIN	—	Banking and Finance	—	Department of Business, Accounting and Sports Management
BIOL	—	Biology	—	Department of Natural Sciences
BKED	—	Birth-Kindergarten Educ.	—	Department of Education
BMIS	—	Management Information	—	Department of Business, Accounting and Sports Management
BTEC	—	Biotechnology	—	Department of Natural Sciences

BUAD	— Business Administration	— Department of Business, Accounting and Sports Management	EM	Emergency Management	Department of Aviation and Emergency Management
BUED	— Business Education	— Department of Business, Accounting and Sports Management	ENGL	— English	— Department of English and Digital Media
CHEM	— Chemistry	— Department of Natural Sciences	ENGT	— Engineering Technology	— Department of Mathematics, Computer Science and Engineering Technology
CJ	— Criminal Justice	— Department of Social Sciences	ENTR	— Entrepreneurship	— Department of Business, Accounting and Sports Management
CONT	— Continuing Education	— Department of Education	ENSC	— Environmental Science	— Department of Natural Sciences
CSC	— Computer and Information Science	— Department of Mathematics, Computer Science and Engineering Technology	FL	— Foreign Language	— Department of English and Digital Media
DGM	Digital Media	Department of English and Digital Media	FLT	— Flight	— Department of Aviation and Emergency Management
ECON	— Economics	— Department of Business, Accounting and Sports Management	FREN	— French	— Department of English and Digital Media
EDUC	— Education	— Department of Education	GEOG	— Geography	— Department of Social Sciences
ELEM	— Elementary Education	— Department of Education			

GEOL	—	Geology	—	Department of Natural Sciences	MECP	—	Mechanical Power	—	Department of Mathematics, Computer Science and Engineering Technology
GLBS	—	Global Studies	—	Department of Social Sciences					
HIST	—	History	—	Department of Social Sciences	MECT	—	Mechanical Technology	—	Department of Mathematics, Computer Science and Engineering Technology
HLTH	—	Health	—	Department of Health and Human Services					
HMLS		Homeland Security		Department of Social Sciences	MIS	—	Military Science	—	Department of Military Science
HPE	—	Health and Phys. Educ.	—	Department of Health and Human Services	MNGT	—	Management	—	Department of Business, Accounting and Sports Management
INDS		Interdisciplinary Studies		Department of Social Sciences					
JOUR	—	Journalism	—	Department of English and Digital Media	MRKT	—	Marketing	—	Department of Business, Accounting and Sports Management
MATA	—	Applied Mathematics	—	Department of Mathematics, Computer Science and Engineering Technology	MUS	—	Music	—	Department of Music and Visual Arts
MATH	—	Mathematics	—	Department of Mathematics, Computer Science and Engineering Technology	MUSA	—	Applied Music	—	Department of Music and Visual Arts
					PAD	—	Public Administration	—	Department of Social Sciences
MCO	—	Mass Communication	—	Department of English and Digital Media	PE	—	Physical Education	—	Department of Health and Human Services

PESM	— Sports Management	— Department of Business, Accounting and Sports Management	SADM	— School Administration	— Department of Education
PHIL	— Philosophy	— Department of Social Sciences	SOC	— Sociology	— Department of Social Sciences
PFIN	— Retirement Planning	— Department of Business, Accounting and Sports Management	SOWK	— Social Work	— Department of Health and Human Services
PHIS	— Public History	— Department of Social Sciences	SPAN	— Spanish	— Department of English and Digital Media
PHS	— Public Health	— Department of Health and Human Services	SPCH	— Speech	— Department of English and Digital Media
PHSC	— Pharmaceutical Science	— Department of Health and Human Services	SPED	— Special Education	— Department of Education
PHYS	— Physics	— Department of Natural Sciences	SSCI	— Space Science	— Department of Aviation and Emergency Management
POLS	— Political Science	— Department of Social Sciences	STAT	— Statistics	— Department of Mathematics, Computer Science and Engineering Technology
PSY	— Psychology	— Department of Health and Human Services	UAS	— Unmanned Aircraft Systems	— Department of Aviation and Emergency Management
READ	— Reading	— Department of English and Digital Media			
RELG	— Religion	— Department of Social Sciences			
			TERMS		
			F — FALL SEMESTER	S — SPRING SEMESTER	SS — SUMMER SESSION

OTHER ABBREVIATIONS USED BY DEPARTMENTS AND IN COURSE DESCRIPTIONS ARE:

30-40	—	Section Numbers for Extended Day / Weekend Program
51-52	—	North Carolina Model Teacher Education Consortium
CE	—	Continuing Education
DL	—	Distance Learning
H	—	Honors
M	—	Military Science
S	—	Language Arts Section for Special Programs
QRS	—	Restricted Enrollment
PDP	—	Departmental Permission Required
S/C	—	Language Arts Sections for Special Program/Conference
CRDT	—	Credit
HR	—	Hour
SEC	—	Section
BLDG	—	Building
LAB	—	Laboratory
LEC	—	Lecture
SEM	—	Semester
NFR	—	New Freshman
FR	—	Freshman
SO	—	Sophomore
JR	—	Junior
SR	—	Senior
SDG	—	Second Degree Graduate
SPU	—	Special Undergraduate
SPG	—	Admitted Graduate
CER	—	Certification
LIC	—	Licensure Only
TS	—	Transient Student
GR	—	Graduate

NG — Non-matriculating Graduate

Prerequisite Courses — Courses beyond the freshman year usually have "prerequisites." This means that certain courses must be taken before the student can register for the advanced course. The prerequisite may also require "consent of the department chair." The student must secure the permission from the above person(s) before he or she registers for the advanced course. "Consent of the department chair" is usually required for courses in which there is limited laboratory space and/or equipment, or in which specific skills and aptitudes are required.

Co-requisite Courses — This means that certain courses must be taken at the same time.

Each student is advised to obtain a copy of the Handbook from his or her major department. The handbook will provide information about the courses students must take and the entrance and exit requirements for them.

ACCT - ACCOUNTING COURSE DESCRIPTIONS

\$name

ACCT 101 - Accounting for Non-business Majors (3)

Introduces non-business majors to the role of business in society and the principles and theories of accounting, including the preparation and use of financial statements; other topics covered: accounting for cash and receivables, fixed assets, payrolls, financial statement analysis, elements of cost, decision-making, and cost-volume-profit analysis.

Prerequisite: None. Offered: F.

ACCT 210 - Financial Accounting (3)

This introductory course for the accounting degree program presents the basic framework of accounting to all students majoring in accountancy. It exposes accounting students to underlying accounting concepts and constraints, and it helps them prepare financial records, financial statements, and analyses of major financial statements. Must be taken by all accounting majors.

Prerequisite: BUAD 115, BUAD 190 or equivalent. Offered: F, S, SS.

ACCT 220 - Managerial Accounting (3)

Introduces accounting information that aids managers in planning, controlling, decision-making, and performance evaluation. Some topics are cost classification and behavior, product costing, cost-volume-profit analysis, relevant cost, cost and benefit analysis, and budgeting.

Prerequisite: ACCT 210 with a C or higher. Offered: F, S, SS.

ACCT 321 - Intermediate Accounting I (3)

The foundation course for financial reporting. It discusses the conceptual framework, the regulatory environment, ethical issues, international issues, and behavioral aspects of accounting. Analysis of the content and presentation of financial statements is also included.

Prerequisite: ACCT 210 with a C or higher. Offered: F, S.

ACCT 322 - Intermediate Accounting II (3)

This course continues the coverage of the content and presentation of financial statements that are issued by corporations. Topics covered are relatively more complex and more detailed.

Prerequisite: ACCT 321 with a C or higher. Offered: F, S.

ACCT 323 - Intermediate Accounting III (3)

The final course in the intermediate accounting series. It covers more complex topics such as accounting for leases, accounting for taxes, and derivatives.

Prerequisite: ACCT 322 with a C or higher. Offered: S.

ACCT 335 - Federal Income Taxation (3)

Introduction to federal taxes on income. Topics include preparation of income tax returns for individuals, statutory concepts of income, capital gains and losses, basis of property, sales and exchanges, and taxation of retirement annuities.

Prerequisite: ACCT 210 with a C or higher. Offered: F.

ACCT 398 - Special Topics In Accounting (3)

Topics of special interest to business students may be offered, or topics requested by a group of students for a specific course not otherwise available. The

students conduct a study of these topics as business electives.

Prerequisite: Junior standing, permission of the instructor, and written consent of the department chair.

ACCT 421 - Cost Accounting (3)

This course covers fundamental topics under cost measurement, cost management, planning, and performance measurement. Some topics are product costing, activity-based costing and management, cost-volume-profit analysis, standard costing, budgeting and variance analysis, relevant costs and benefits analysis, and value-chain analysis.

Prerequisite: ACCT 321 with a C or higher. Offered: F.

ACCT 425 - Financial Auditing (3)

This course focuses on the process of auditing financial statements. It also discusses the accounting concepts, profession, its regulatory and legal liability environments, plus the need for the audit function, professional standards, and conduct. This is a **Capstone course** for the **Accounting degree** and requires a term paper.

Prerequisite: ACCT 322 with a C or higher. Offered: S.

ACCT 431 - Advanced Financial Accounting (3)

Covers various specialized areas of accounting, including consolidated financial statements, partnerships, and limited liability companies.

Prerequisite: ACCT 322 with a C or higher. Offered: S.

ACCT 435 - Entities Taxation (3)

Building on the principles of individual income taxation, this course addresses the federal approach to taxing for-profit entities, including partnerships, corporations, and trusts. Topics include "flow-through" taxation, the separate legal entities doctrine, and "either/or" taxation. The course concludes with an introduction to the unified federal estate and gift tax.

Prerequisite: ACCT 335 with a C or higher. Offered: S.

ACCT 440 - Accounting Information Systems (3)

Study of Accounting Information Systems with an emphasis on information, communication, and

networking technology within the context of transaction cycles and internal control structure. Examination of the role of AIS in e-commerce and enterprise software.

Prerequisite: ACCT 321 and BMIS 380, each with a C or higher. Offered: F.

ACCT 451 - Government and Not-For-Profit Accounting (3)

Comprehensive study of fund accounting theory and concepts used in the financial accounting, budgeting, control, and reporting for governmental and nonprofit organizations. This course includes the standards and regulations applicable to local government units, universities, hospitals, and other nonprofit entities.

Prerequisite: ACCT 321 with a C or higher. Offered: even F.

ACCT 460 - Forensic Accounting (3)

Application of accounting methods and financial techniques to assist in solving economic-based crimes. Includes discussion of criminal statutes relating to financial crimes, fraud investigation and prevention, techniques used in solving financial crimes, interviewing, rules of evidence, sources of information, forensic accounting procedures, and current issues in financial investigations.

Prerequisite: ACCT 321 with a C or higher. Offered: odd F.

ART - ART COURSE DESCRIPTIONS

ART 100 - Art Foundations (3)

This course provides all majors in art disciplines a foundation in art history, aesthetics, two dimensional design, and color theory. Students will apply these principles and concepts toward solving projects that address specific design problems. Five contact hours.

Prerequisite: No Prerequisite. Offered: F.

ART 101 - Introduction to Media Arts (3)

An introductory course that builds upon an understanding of fundamental visual & audio concepts for communicating information. Introduction to computer literacy using industry standard software and hardware. Five contact hours.

Prerequisite: ART 100. Offered: S.

ART 102 - Drawing I (3)

An introductory course that teaches basic drawing skills and techniques emphasizing direct observation of organic and geometric still life subjects. The primary goals are to learn and visually define in a compositional space, correct proportion, form, space, and depth. Five contact hours.

Prerequisite: No Prerequisite. Offered: F; S.

ART 103 - Drawing II (3)

An intermediate course that further develops the skill and techniques of Drawing I. This course introduces the application of design elements and principles through direct observation of still life, architectural elements, and the human form. Students are introduced to a range of drawing materials, techniques, color application, and wet media. Five contact hours.

Prerequisite: ART 102. Offered: F; S.

ART 111 - Three-Dimensional Design (3)

This course investigates the principle of 3-D design theory by the manipulation of pure elements in space through a series of design problems.

Prerequisite: ART 100. Offered: F.

ART 130 - Art Appreciation (2)

Analysis of selected examples of major art works. Gives students an understanding of the purposes and historical roles of the visual arts in Western and Non-Western cultures.

Offered: F, S, SS.

ART 201 - Visual Information Architecture (3)

An intermediate course that applies fundamental visual concepts to professional applications. Students develop an understanding of the communication model and approaches to visual problem-solving skills. Course includes production techniques in computer graphics. Five contact hours.

Prerequisite: ART 101. Offered: F.

ART 202 - Branding and Packaging Design (3)

This course places an emphasis on visual problem solving as it relates to Branding and Package Design, including logo design, brand building, print layout, three dimensional construction and surface.

Prerequisite: ART 201. Offered: S.

ART 210 - Typography I (3)

This is an introductory course, which develops a fundamental understanding of typographic organization through the exploration of assigned studies and professional applications. Five contact hours. Prerequisite: ART 101 Graphic Design Majors Only

Prerequisite: Graphic Design Majors Only. Offered: F.

ART 220 - Painting I (3)

A basic studio instruction in the craft, techniques and philosophy of painting. Emphasis is placed on learning composition, color, brush manipulation, use of media and stretching canvases.

Prerequisite: ART 100 or permission of instructor. Offered: F.

ART 221 - Painting II (3)

An intermediate level studio course that encourages critical self-assessment through analytical critiques, discussions, and writing assignments. Emphasis is on the development of a personal style and the study of historical masterworks. Five contact hours.

Prerequisite: ART 220. Offered: S.

ART 230 - Sculpture I (3)

This course is an introduction to the fundamentals of physical and digital sculpture and modeling. Five contact hours. Prerequisite: ART 100

Prerequisite: ART 100. Offered: F.

ART 231 - Sculpture II (3)

This course will expand on skills and knowledge gained in ART 230. Studio experiences in a broader range of media, techniques, and concepts will be emphasized. This course addresses processes for working in the construction and fabrication methods. Five contact hours.

Prerequisite: ART 101 or written consent of the instructor. Offered: S.

ART 260 - Printmaking I (3)

An introduction to the processes, materials, and equipment of traditional printmaking, with equal emphasis on concept and technique. Students are introduced to a variety of print media and methods, such as monotype, relief, and intaglio printing processes. Five contact hours.

Prerequisite: ART 100, ART 103. Offered: F.

ART 301 - Interactive Design (3)

Internet design course. Students develop design briefs for project planning, usability, and visual communication. Assignments include the design of interfaces, navigation, simple motion graphics, and websites. Open to Graphic Design majors only. Five contact hours.

Prerequisite: ART 202. Offered: F.

ART 302 - Visual Systems (3)

Advanced design problems with increased complexity and scope. Assignments will employ the use of visual systems and strengthen the sophistication of imagery and form used in the design solution. Open to Graphic Design majors only. Five contact hours. Prerequisite: ART 301.

Prerequisite: ART 301. Offered: S.

ART 310 - Typography II (3)

An intermediate to advanced course that develops a systematic approach to typographic organization through the exploration of assigned studies and professional applications. Students use the typographic organization of diagrams, charts, and graphs to translate data into images with understandable visual meaning.

Prerequisite: ART 210. Offered: F.

ART 333 - Imaging I (3)

A transition between structured classroom assignments and self-directed study at the Advanced Studio Level. The first half of the term will be spent working in various media at the instructor's discretion. After defending their projects at mid-term, students will spend the remainder of the course developing self-directed projects. Five contact hours.

Prerequisite: ART 100, ART 101, ART 103.

ART 340 - Photography I (3)

Introduction to traditional black and white photography with emphasis on darkroom techniques.

Prerequisite: ART 101. Offered: F; S; SS.

ART 341 - Photography II (3)

An intermediate course in Photography with an emphasis on digital media. The use of photography as a multi-media tool to communicate visual meaning. Five contact hours.

Prerequisite: ART 340. Offered: F; S; SS.

ART 381 - 3D Computer Animation II (3)

This course covers advanced problems in 3D animation. The topics covered include modeling, rigging, texturing, lighting, keyframe animation, visual effects and sound.

Prerequisite: ART 380. Offered: F.

ART 345 - Film Theory and Production (3)

An introductory course which investigates the history and techniques of film-making as an art form. Students design, produce, and edit their original videos as a component of this course.

Prerequisite: No Prerequisite. Offered: S.

ART 350 - Ceramics I (3)

An introduction to clay and clay bodies. Students become familiar with the nature of clay, its limitations and possibilities. Emphasis is on a variety of hand building techniques. Contemporary models will be referenced. Five contact hours.

Prerequisite: ART 101 or written consent of the instructor. Offered: F.

ART 351 - Ceramics II (3)

An introduction to the creation of pottery through the process of wheel-throwing. Hand-built and wheel-thrown combo techniques will be investigated. Experimentation in surface treatment and decoration will be explored. Five contact hours.

Prerequisite: ART 350. Offered: F.

ART 376 - Glass I (3)

An introduction to the use of glass as an art medium. Students will explore basic glass manipulation techniques. Five contact hours.

Prerequisite: ART 100 and ART 111 or written consent of the instructor. Offered: F.

ART 380 - 3D Animation (3)

This course is an introduction to 3D animation. The topics covered include modeling, rigging, texturing, lighting and keyframe animation. Five contact hours.

Prerequisite: pre-/co-requisite(s): ART 100, ART 101, ART 102 or the written consent of the instructor. Offered: S.

ART 381 - 3D Computer Animation II (3)

This course covers advanced problems in 3D animation. The topics covered include modeling, rigging, texturing, lighting, keyframe animation, visual effects and sound.

Prerequisite: ART 380. Offered: F.

ART 400 - Advanced Studio I (3)

This course consists of an individualized, in-depth study of the students' medium of interest. Students prepare a proposal outlining the direction of their study. Five contact hours.

Prerequisite: Written consent from academic advisor. Offered: F; S.

ART 446 - Short Film Production (3)

Continuing the exploration of theory and technique developed in ART 345 Film Theory and Production, students will design, produce, and edit a short film.

Prerequisite: ART 345 Film Theory and Production. Offered: F.

ART 498 - Graphic Design Applied Theory (3)

An advanced course that examines the theoretical understanding of visual communication and its application to the practice of graphic design. Open to Graphic Design majors only. Five contact hours.

Prerequisite: ART 301. Offered: F.

ART 499 - Graphic Design Seminar (3)

This course examines current topics in graphic design with conceptual and theoretical approaches for analyzing visual communication. Emphasis is on critical reading, research, and writing in a seminar atmosphere. Open to Graphic Design majors only. Five contact hours.

Prerequisite: ART 301. . Offered: S.

ART 401 - Advanced Studio II (3)

A continuation of the exploration of a chosen medium of interest. Preparation of work for presentation/critique will be a component of this course. Five contact hours.

Prerequisite: ART 400. Offered: F; S.

ART 402 - Advanced Studio III (3)

A continuation of the exploration of a chosen medium of interest incorporating advanced techniques. Preparation of work for

presentation/critique is an integral component of this course. Five contact hours.

Prerequisite: ART 401. Offered: F; S.

ART 403 - Advanced Studio IV (3)

The development of a heightened understanding of artistic visual solutions and techniques of a chosen media. A professional attitude and work ethic is emphasized. Exhibition of work is required. Five contact hours.

Prerequisite: ART 402. Offered: F; S.

ART 406 - Internship in Art (A, G, M & T) (3)

This course provides students with the opportunity to gain practical experience and perspective in the professional world of art. Internships may be served at art councils, museums, galleries, or with design firms, advertising agencies, or professional artists, etc. which are able to provide students with a well-rounded pre-professional work experience.

Supervision will be by a professional in the field and a faculty supervisor from ECSU. Five contact hours.

Prerequisite: Junior status. Offered: F; S; SS.

ART 409 - Senior Portfolio/Show (3)

This course assists students with preparation and documentation of their artwork. Methods of assembling physical and digital portfolios will be explored. Writing and designing a resume will be emphasized. Students must mount a senior show. Five contact hours.

Offered: S.

ART 446 - Short Film Production (3)

Continuing the exploration of theory and technique developed in ART 345: Film Theory and Production, students will design, produce and edit a feature length film.

Prerequisite: ART 345. Offered: F.

ART 485 - Arts Management (3)

This course covers the business aspects, theories, and legal issues of arts management related to the operation of the arts councils and governmental and nonprofit art agencies, as well as galleries and other for-profit entities. Five contact hours.

Prerequisite: No Prerequisite. Offered: F.

ART 490 - Fibers (3)

A course in basic weaving techniques, tapestry and loom weaving, and survey of fiber techniques.

Prerequisite: ART 100 or written consent of the instructor. Offered: F; S.

ARTH - ART HISTORY COURSE DESCRIPTIONS

ARTH 201 - Art and Religion (3)

This course examines the relationship of these two expressions of the human experience from prehistory to the present. Religion as an impetus to the activity of image making and the creative process will be explored through the examination of art, artifacts, and architecture.

Prerequisite: No Prerequisite. Offered: F; S.

ARTH 209 - Survey of Art I (3)

A survey of the history of art from the prehistoric era to the end of the Gothic period (c. 1300).

Prerequisite: No prerequisite. Offered: F.

ARTH 210 - Survey of Art II (3)

The second of a two-part survey of art from the early Renaissance to the art movements in modern and contemporary art history.

Prerequisite: No prerequisite. Offered: S.

ARTH 217 - History of Graphic Arts (3)

A broad survey of the history of graphic design, developing a fundamental understanding of the subject through presentation and discussion.

Prerequisite: Open to Art Majors only. Offered: S.

ARTH 315 - African American Art (3)

A study and analysis of the influence and contributions of African American artists and artists from the African diaspora on the world of art.

Prerequisite: No prerequisite. Offered: F; S.

ARTH 317 - Nineteenth-Century Art (3)

Covers the major art movements and artists of the 19th century, including Neoclassicism, Romanticism, Realism, Impressionism, Post-Impressionism, Fauve, and Les Nabis. Multicultural emphasis on world-wide art.

Prerequisite: No prerequisite. Offered: F; S.

ARTH 318 - Twentieth-Century Art (3)

Covers the major art movements and artists/architects of the 20th century including Cubism, Expressionism, de Stijl, Bauhaus, Surrealism, Regionalism, Abstract Expressionism, Pop, Op, Minimal, Conceptual, Post-Modern, Deconstructionism, and Outsider Art with a multicultural emphasis.

Prerequisite: No prerequisite. Offered: F; S.

ARTH 416 - Theory of Contemporary Art and Design (3)

Broad introduction to theories of contemporary art and design. Includes: aesthetics, design theory, publications, galleries and museums, and career opportunities in art, etc.

Prerequisite: No prerequisite. Offered: F; S.

ATC - AIR TRAFFIC CONTROL COURSE DESCRIPTIONS

ATC 200 - Control Tower Operations (3)

Enables students to gain an understanding of the knowledge required to work as a team member in an Air Traffic Control Tower (ATCT). Specifically, this course will cover content in the following areas: control tower equipment and operating positions, airfield marking, VFR traffic patterns, sequencing and separation standards, positional authority and associated responsibilities, standard phraseology, stripmarking, aircraft taxi instructions, control of vehicle movement, aircraft emergency assistance, search and rescue coordination, meteorological aviation reports (METAR), and tower weather observations.

Prerequisite: AVI 100.

ATC 200L - Control Tower Operations Lab (3)

Affords students an opportunity to use the knowledge acquired in ATC 200 with a realistic state of the art simulator. Emphasis is placed on the use of standard procedures as they apply to a VFR tower environment. Student evaluation is performance based through their application of established control procedures which includes: clear and concise communications, standard phraseology, clearances, runway separation, stripmarking and teamwork.

Prerequisite: ATC 200.

ATC 250 - Terminal Radar Operations Lab (3)

Enables students to gain an understanding of the knowledge required to work in a Terminal Radar Approach Control (TRACON). Specifically, this course will cover content in the following areas: TRACON equipment and operating positions, radar identification, radar separation standards, vectoring, instrument traffic patterns, approach clearances, standard phraseology, aircraft emergencies, stripmarking, communications, and teamwork.

Prerequisite: ATC 101.

ATC 250L - Terminal Radar Operations Lab (3)

Provides students the opportunity to apply knowledge acquired in ATC 250 using a realistic state of the art simulator. Student evaluation is performance based and includes standard phraseology, emphasis on radar identification, vectoring techniques, effective coordination, and stripmarking as well as the control and separation of aircraft in a terminal radar environment.

Prerequisite: ATC 250.

ATC 275 - ATC Terminal Operations

An accelerated course detailing the rules and regulations of air traffic control in the terminal environment. Content will include both the air traffic control tower and terminal RADAR environment. Students will receive instruction on traffic patterns, sequencing, standard phraseology, vectoring, radar identification, radar separation standards, approach clearances, and aircraft emergencies.

Prerequisite: AVI 270 or FLT 110.

ATC 300L - Advanced Control Terminal Operations Lab (3)

Expands on the skills acquired and demonstrated during ATC 205 and incorporates the following into the control tower team functions: IFR flights, intrafacility and interagency coordination, aircraft recognition and characteristics, runway incursions, wake turbulence, Special VFR and emergency situations. Simulated scenarios in the tower lab will become progressively more challenging and student evaluation will be performance based.

Prerequisite: ATC 205.

ATC 350L - Advanced Terminal Radar & Non Radar Operations Lab (3)

Expands on the basic radar skills acquired and demonstrated in ATC 255 and incorporates the

following into the terminal radar environment: aircraft emergencies, high-tempo traffic, intrafacility and interagency coordination. Simulated scenarios in the tower lab will become progressively more challenging and student evaluation will be performance based.

Prerequisite: ATC 255.

ATC 375L - ATC Terminal Operations Lab

This course affords students an opportunity to use knowledge acquired in ATC 275 with a state-of-the-art simulator. Emphasis is placed on standard procedures as they apply in the control tower and radar environment. Student evaluation is performance based and includes: standard phraseology, clearances, sequencing and separation, radar identification, and vectoring.

Prerequisite: ATC 275.

AVI - AVIATION SCIENCE COURSE DESCRIPTIONS

AVI 100 - Introduction to Aviation (3)

Provides an overview of aviation, and introduces the student to the many opportunities and challenges of the aviation industry. The student will explore the history of flight from early concepts and experimentations to the beginnings of flight, early industry growth, modern jet-powered flight, and space exploration. Significant aviation events, and aviation pioneers and legends will be covered.

AVI 122 - Orientation Seminar for Aviation Science (1)

This course is designed as an introduction for new aviation science students. Students will gain an understanding of normal career progression within the industry. Specific degree requirements as well as understanding the academic advisory role in their responsibilities as students.

AVI 220 - Air Transportation (3)

A survey of the U.S. air transportation system including: detailed aspects of the industry's importance to the U.S. economy; the industry's components and their relationships, historical developments and growth, the impact of regulations and legislation, business and commercial operations, airline and general aviation economics, the social impact of aviation, and characteristics of the Federal

Aviation Administration and the National Transportation Safety Board.

AVI 230 - Aviation Management (3)

An introduction to management practices in the aviation industry. The management of large and small airports fixed base operators and aviation organizations are covered with a focus on current aviation management practices.

Prerequisite: AVI 100 or UAS 100.

AVI 232 - Safety Management Systems (SMS) (3)

This course provides an introduction to Safety Management Systems (SMS) to systematically design, implement, and manage safety programs in aviation using the Safety Management System. These concepts of Safety Management Systems are delivered with emphasis on the following concepts; SMS introduction, components of an SMS, analyzing aviation hazard and risk assessments, developing and managing SMS programs, and evaluating an SMS.

Prerequisite: AVI 100.

AVI 250 - Basic Aerodynamics and Flight Physics (3)

A study of aircraft aerodynamics and the physics of flight; topics include aircraft performance, stability, control, weight and balance, special flight conditions, and configurations. Basic theories of flight, including airfoil design, drag, lift, thrust, weight and velocity are discussed as well as calculations of stall speed and basic performance criteria.

Prerequisite: AVI 100 or UAS 100.

AVI 260 - Aviation Human Factors and Safety (3)

Basic study of human and machine interface in an aviation environment. Topics include flight physiology, aeromedical factors, automation, equipment design, navigation, and flight path warning systems as they relate to an established safety culture. Course includes case studies of incidents, accidents, and details crew performance.

Prerequisite: AVI 100 or UAS 100.

AVI 270 - Air Traffic Control and the National Airspace System (3)

A study of the nation's plan to enhance, modernize and expand the National Airspace System. Electronic navigation, communications capabilities, control concepts, and high-tech personnel requirements will be explored. Problems and resolutions concerning

implementation of a new airspace system; airspace allocations; safety considerations; economic impact; and social and political implications will be studied.

Prerequisite: AVI 100 or UAS 100.

AVI 275 - Aircraft Systems I

This course introduces the student to the basic operation of aircraft systems used in light general aviation aircraft. Students will study and be able to describe the operation of reciprocating aircraft engines, flight control, fuel, electrical, landing gear, propeller operation, flight instrument operation. Emphasis will be placed on system description and theory of operation.

Prerequisite: AVI 100.

AVI 314 - Aviation Meteorology (3)

Meteorology and adverse weather phenomena and how it impacts aircraft, air traffic control, and flight safety. Topics include the atmosphere and atmospheric pressure, altimetry, wind, humidity, cloud formation and precipitation, stable and unstable atmospheric conditions, air masses and fronts; turbulence; icing, thunderstorms, wind shear, and weather detection systems.

Prerequisite: AVI 100 or UAS 100.

AVI 315 - Aviation Legislation and Ethics (3)

An introduction to the laws and regulations as they pertain to aviation. Topics include the origin and philosophy of law; the important legislation that has shaped the aviation industry over the years; aircraft ownership; Federal Aviation Regulations; manufacturing responsibilities; and accident and insurance liabilities.

Prerequisite: AVI 100, AVI 220.

AVI 340 - Corporate Flight Operations (3)

The student will be involved in detailed studies of the workings, operations, and management of the corporate flight department, and how it interfaces with the rest of the corporation. The student will learn the duties and responsibilities of the corporate pilot and the flight department manager, including a review of safety practices and the importance of standardization.

Prerequisite: AVI 100, AVI 220.

AVI 345 - Airline Operations and Management (3)

Students are introduced to airline operations and their management. Focus is centered on industry practice, route network design, fleet planning, scheduling, and revenue management. Applicable Federal Aviation Regulations governing air carrier operations also emphasized.

Prerequisite: AVI 100, AVI 220, and AVI 230.

AVI 350 - Advanced Aerodynamics (3)

Course is an advanced study of the theories of flight including capabilities and limitations, performance and design criteria, load factors, weight and balance charts, transport category aircraft performance, high altitude operations, and aircraft certification. Additionally, it details aerodynamic performance of aircraft powered by reciprocating, turboprop, jet turbine engines, and rotorcraft.

Prerequisite: AVI 100, AVI 220, AVI 250.

AVI 370 - Aviation Research Methods and Statistics (3)

This course offers an introduction to research design along with descriptive and inferential statistics. Prepares students to design, analyze, interpret, and report on their own research, as well as to critically evaluate the work of others.

Prerequisite: Junior level student or instructors written consent.

AVI 375 - Aircraft Systems II (3)

Introduces the basic operation of aircraft systems used in transport aircraft. Study is concentrated on the operation of gas turbine engines, hydraulic and pneumatic power, pressurization, electrical, environmental control and ice protection systems. Additionally, course work will include an introduction to a Minimum Equipment List and a Configuration Deviation List.

Prerequisite: AVI 250, AVI 275.

AVI 411 - Transition to the Aviation/Aerospace Industry (3)

A junior- and senior-level course designed to help the student to focus on a particular career path in the aviation or aerospace industry. Directed discussions, individual and group assignments, and guest speakers may be incorporated to provide increased knowledge about career opportunities in the field of aviation. Course topics include defining "the professional," the "professional in aviation," resume writing,

interviewing skills, setting goals, public speaking and presentation skills, and networking.

Prerequisite: AVI 100, AVI 220, Aviation major with junior standing or written consent from the Program Director/or the instructor.

AVI 415 - Aviation Project Management (3)

Course provides an in-depth look at aviation project management from concept to completion while connecting project management within an aviation context that is prudent to business decision making. Aviation projects commonly fail to deliver on time and often exceed budget, this course will highlight methods to avoid these failures.

Prerequisite: AVI 100, AVI 220, and AVI 315.

AVI 420 - Crew Resource Management (3)

This course introduces the fundamentals of CRM and the intense challenges that crew members face in modern aircraft and airspace. Topics include flight crew leadership, checklist philosophy, communications in the cockpit, and professional development. Analysis of CRM-related aircraft accidents will be discussed and detailed.

Prerequisite: AVI 100, AVI 220, AVI 232.

AVI 430 - Airport Planning and Management (3)

This course presents an overview of how airports are designed and planned and covers both the development and management of airports. Development issues such as airport site characteristics, layout of runways, design of passenger buildings, and analysis of environmental impacts. Management topics cover congestion and queues, peak-hour traffic, air traffic control, and demand management.

Prerequisite: AVI 100, AVI 220, AVI 230, AVI 315.

AVI 460 - Aviation Internship (3)

An academic internship is an opportunity for the student to apply classroom knowledge to the real world of work. An academic internship is required by all aviation science students. It is an opportunity for the student to broaden their horizons and to gain real work experience. The internship is a work experience that leads to academic credit. Evaluations are based in part on written reports from the employee.

Prerequisite: Written consent by the Program Director.

AVI 465 - Aviation Capstone (Senior Project) (3)

Integrates, extends, and applies knowledge learned in earlier aviation courses and readings. The course is designed for senior-level students with emphasis on projects and special aviation topics supported by faculty in cooperation with a governmental or aerospace industry partner. This course will culminate with a senior project and presentation.

Prerequisite: AVI 370.

AVI 470 - Independent Study in Aviation (3)

On a one-to-one basis and under direct guidance of the instructor, the student will be given the opportunity to complete independent and directed studies on selected topics in general, corporate, commercial, and military aviation, as well as topics in the aerospace industry.

Prerequisite: Consent of instructor and written consent from the Program Director.

AVI 475 - Topics in Aviation/Aerospace (3)

Selected topics and issues in the field of aviation or aerospace are explored so that the student is aware of past, current, and potential issues. Presents significant issues in aviation and aerospace and is designed so that the student will have a fuller understanding and appreciation of both industries. The student will learn how to analyze an issue to determine its reasons for existing and will be able to project the issue into the future to anticipate how it might affect other issues and concerns.

Prerequisite: Consent of instructor and written consent from the Program Director.

AVNC - AVIONICS COURSE DESCRIPTIONS

AVNC 100 - Basic Avionics (3)

Provides basic knowledge of the subject of avionics. Topics include: radio frequency spectrum displays and technologies, fundamentals of instrumentation systems, air data systems and sensors, radio systems, fundamentals of radio propagation, and radio navigational aids. Also, the course includes ADF, VOR, DME, NDB, ILS, MLS, HSI, marker beacon, and transponder operation and functioning. The

Theory of GPS, flight control systems, and the basics of radar systems will also be covered.

Prerequisite: None.

AVNC 240 - Flight Communication Systems (3)

Study of the basic principles of communication systems used in modern aircraft, including avionics transmission and reception systems, HF, VHF, UHF, and satellite systems. Further the course will explore basic RF systems, RF transmitters, signal generation, signal detection and amplification, carrier modulation AM, FM, SSB, antenna theory, antenna systems, and related test equipment. In addition, information on maintenance levels, FAA and FCC requirements, aircraft drawing and various manufacturers' support manuals will be used.

Prerequisite: AVNC 100.

AVNC 360 - Advanced Avionics Systems (3)

Topics include avionics digital and microwave systems, microwave theory, and radar with application to airborne systems. Also included are on-board navigation and display systems including computer-based components, GPS, digital avionics buses, flight management systems, and avionic system integration in current aircraft. Avionics package design, heads-up displays, and surveillance systems, including weather radar, radar altimeter, transponder, TCAS, and GPWS are also included.

Prerequisite: AVNC 240.

AVNC 380 - Aircraft or Flight Control Systems (3)

Topics include discussion on the early history of aircraft dynamics and control, mathematical models of linear system elements, feedback system analysis, vehicle equations of motion, longitudinal and lateral dynamics, and elementary longitudinal and lateral feedback control. The course includes such topics as the system design process, inputs and system performance assessment, the root locus analysis of a generic acceleration autopilot, multi-loop flight control systems, methods for modeling the human pilot, and the integration of the human pilot into an aircraft flight control system.

Prerequisite: AVNC 240.

BFIN - ECONOMICS & FINANCE COURSE DESCRIPTIONS

BFIN 210 - Personal Financial Management (3)

Overview of personal financial management and creation of wealth. Develops personal financial management skills in budgeting, income, expenditures, and planning for financial security and retirement. Explains savings and investments alternatives, financing, and credit sources, the role of insurance in protecting income and assets, and federal income tax issues. *Partially fulfills GE requirement in Social & Behavioral Sciences*

Prerequisite: None. Offered: F, S, SS.

BFIN 311 - Principles of Finance (3)

An introduction to the study of finance with an emphasis on managerial or corporate finance. Also introduces financial institutions and investment fundamentals.

Prerequisite: ACCT 210, ECON 201 and ECON 202, each with a C or higher. Offered: F, S, SS.

BFIN 315 - Entrepreneurial Finance (3)

The financial management of entrepreneurial ventures and the problems associated with incubating and growing new ventures using the theories, knowledge, and financial tools needed to start, build, and harvest a successful venture.

Prerequisite: BUAD 322 with a C or higher. Offered: S.

BFIN 320 - Financial Management (3)

Provides an advanced coverage of major topics in managerial or corporate finance. Topics include corporate and project valuation, financing decisions, and working capital management.

Prerequisite: BFIN 311 with a C or higher. Offered: F.

BFIN 350 - Investments (3)

Principles of security investments, analysis of specific studies, portfolio construction, and management.

Prerequisite: BFIN 311 with a C or higher. Offered: F.

BFIN 398 - Special Topics in Finance (3)

Topics of special interest to business students may be offered, or in response to a request by a group of students for a specific course not otherwise available. The students conduct a study of these topics as business electives.

Prerequisite: Business Administration major, junior standing, and department chair's written consent.
Offered: F, S, SS.

BFIN 415 - Financial Management Policy and Strategy (3)

This course is designed to study the value creation process that generates superior economic performance for the firm over the long run in a corporation. The course will analyze value creation both conceptually and in terms of the challenges it poses for the top-management of a corporation. The analytical framework will employ precepts from finance, economics, and competitive strategy. Topics will be covered through a series of case studies and reading assignments.

Prerequisite: BFIN 320 with a C or higher. Offered: S.

BFIN 420 - Portfolio Construction and Management (3)

A comprehensive coverage of investment topics including bond analysis, option valuation, commodities, futures and option contracts, and portfolio analysis, evaluation and management. Use of derivatives as a financial risk management tool is emphasized.

Prerequisite: BFIN 350 with a C or higher. Offered: S.

BFIN 425 - Commercial Bank Management (3)

Focuses on operation, management, and analysis of commercial banks and other financial institutions.

Prerequisite: BFIN 311 with a C or higher. Offered: F.

BFIN 450 - Financial Risk Management (3)

This course will survey the types of derivative securities used in financial risk management. Students will learn the contractual specification, the pay-off structure, the mechanics of trading, methods of valuation etc.

Prerequisite: BFIN 320 and BFIN 350. Offered: S.

BFIN 455 - International Financial Management (3)

A study of the global financial markets and the operations of multinational firms. Topics include foreign exchange markets, international financial markets, international banking, and currency derivative markets.

Prerequisite: BFIN 311. Offered: S.

BIOL - BIOLOGY COURSE DESCRIPTIONS

BIOL 100 - Principles of Biological Science (3)

Introduction to the basic principles of modern biology with emphasis on aspects of human biology as applied to daily living. Lecture, three hours.

Prerequisite: No Prerequisites. Offered: F; S; SS.

BIOL 100L - Principles of Biological Science Lab (1)

Basic laboratory experiences in biology that reinforce concepts introduced in the lecture. Laboratory, two hours.

Offered: F; S;SS.

BIOL 101 - General Biology for Majors I (4)

An introductory course of a two-semester sequence in conjunction with BIOL 102 and required of all Biology majors as a prerequisite to all core courses. Covers fundamental concepts in biology with emphasis on cell structure, organization and metabolism, classical and molecular genetics, sexual and asexual reproduction, photosynthesis and respiration mechanisms, and relating these topics to the concepts of inheritance and biodiversity. Lecture: three hours; laboratory: two hours; may include tutorial: one-two hours.

Prerequisite: Must be Biology Major or have Department Chair's written consent. Offered: F.

BIOL 102 - General Biology for Majors II (4)

An introductory second course of a two-semester sequence in conjunction with BIOL 101 and required of all Biology majors as a prerequisite to all core courses. Covers fundamental concepts in biology with emphasis on evolution, ecology, taxonomy and biodiversity, with overview of microbiology, botany, zoology, and comparisons of the anatomy and physiology of diverse animals and the human body.

Lecture: three hours; laboratory: two hours; may include tutorial: one-two hours.

Prerequisite: BIOL 101. Offered: S.

BIOL 201 - Comparative Vertebrate Anatomy (4)

A comparative study of structural features and development of organ systems of various classes of vertebrates with emphasis on their evolutionary sequence. Lecture: three hours; laboratory: two hours.

Prerequisite: BIOL 101, BIOL 102. Offered: F.

BIOL 204 - Instrumentation in Biology (1)

Acquaints students with equipment and procedures utilized in biological research. Laboratory: two hours.

Prerequisite: BIOL 101, BIOL 102. Offered: S.

BIOL 208 - Human Nutrition (3)

Covers basic knowledge of food and its relationship to human nutrition. Special emphasis on the role of carbohydrates, proteins, fat, energy, vitamins, and minerals. Lecture: three hours.

Prerequisite: BIOL 101, BIOL 102 or BIOL 215, BIOL 216 and CHEM 101, CHEM 101L, or CHEM 115, CHEM 116. Offered: F; S.

BIOL 210 - Genetics (4)

Covers basic genetic principles through integration of classical and molecular genetics, including the physical nature of genetic material, transmission of genetic information, patterns of inheritance, gene mapping via linkage and association studies, gene regulation including epigenetics, and recombinant DNA technology. Lectures: three hours; laboratory: three hours.

Prerequisite: BIOL 101, BIOL 102. Offered: F; S.

BIOL 215 - Anatomy & Physiology (4)

First course of a two-semester sequence in conjunction with BIOL 216. Students are exposed to a basic foundation in normal physiology and functional anatomy of human organ systems. Topics covered are: cell physiology, histology, integument, and skeletal, muscular, nervous, and sensory systems. Emphasis on the interaction of structure and function and the homeostasis mechanisms in the human body. Lecture: three hours; laboratory: two hours.

Prerequisite: Must have Department and instructor's written consent. Offered: F.

BIOL 216 - Anatomy & Physiology II (4)

Second course of a two-semester sequence in conjunction with BIOL 215. In-depth discussions of the concepts introduced in BIOL 215, particularly in regard to human systems and homeostasis mechanisms of the human body. Lecture: three hours; laboratory: two hours.

Prerequisite: Must have Department and instructor's written consent. Offered: S.

BIOL 220 - General Zoology (4)

(formerly BIOL 301) A course in basic animal biology that emphasizes and examines in a phylogenetic framework the origin, structure and function, reproduction and development, and comparative anatomy of representative animal phyla. Required laboratory component consisting of specimen dissection and identification. Lecture: three hours; laboratory two hours.

Prerequisite: BIOL 101, BIOL 102 and CHEM 101/CHEM 101L. Offered: F; S.

BIOL 221 - General Botany (4)

(formerly BIOL 302) Covers basic biological phenomena of plant life including anatomy, physiology, growth, development, distribution, classification and economic relevance. Laboratory exercises include plant morphology and metabolism. Lecture: three hours; laboratory: two hours.

Prerequisite: BIOL 101, BIOL102, and CHEM 101/CHEM 101L. Offered: F; S.

BIOL 250 - Biological Orientation (1)

Prepares Biology majors for entry into the Department. Emphasizes laboratory report writing, oral presentations, practical examination techniques, sketching, instrumentation, terminology, note-taking skills, and career development activities. Lecture: one hour.

Prerequisite: Must be Biology major. Offered: F; S.

BIOL 255 - Fundamentals of Clinical Microbiology (4)

The study of bacteriology, parasitology, mycology, and virology. Students study methods and perform techniques used in isolating and identifying microorganisms and demonstrate basic good laboratory procedures. Other topics studied include susceptibility testing, food and human disease,

epidemiology and quality control. Lecture: three hours; laboratory: two hours.

Prerequisite: BIOL 101, BIOL 102. Offered: F; S.

BIOL 300 - General Ecology (4)

Introduces major ecological concepts. Discusses physical, chemical and biological factors affecting the spatial distribution and abundance of organisms; and population, community and ecosystem structure, function and dynamics. Lecture: three hours; laboratory/field activity: two hours.

Prerequisite: BIOL 220, BIOL 221 and CHEM 101/CHEM 101L. Offered: F.

BIOL 302 - General Botany (4)

Covers basic biological phenomena of plant life, including anatomy, physiology, growth, development, distribution, classification, and economic relevance. Lecture: Three hours; laboratory: two hours.

Prerequisite: BIOL 220 , BIOL 221, BIOL 102. Offered: F; S.

BIOL 303 - Parasitology (3)

Provides up-to-date information on the basic biology, pathology, and epidemiology of important human parasites. Topics covered include parasite characteristics, host/parasite interactions, life cycles, distribution, pathogenicity, diagnosis, treatment, and control of parasite groups from protozoa to arthropods. The course also explores evolutionary aspects of host-parasite interactions. Lecture: This course is currently offered as Distance Learning.

Prerequisite: BIOL 101, BIOL 102. Offered: F; S.

BIOL 304 - Organic Evolution (3)

formerly BIOL 211 Covers topics such as mutation, adaptation, selection, cooperation, competition, speciation and phylogeny. Other areas of discussion include factors that influence population genetics, evolutionary ecology, and macroevolution changes above the species level. Lecture: 3 hours.

Prerequisite: BIOL 101, BIOL 102. Offered: F;S.

BIOL 305 - Histology (3)

Microscopic structure of plant and animal tissues. Emphasizes distinguishing characteristics of various tissues. Lecture, two hours; laboratory, two hours.

Prerequisite: BIOL 101, BIOL 102; CHEM 101, CHEM 101L, CHEM 102, and CHEM 102L. Offered: S.

BIOL 306 - Human Anatomy (4)

(formerly BIOL 207) Comprehensive coverage of form and structure of the human body. Lecture: three hours; laboratory: two hours.

Prerequisite: BIOL 101, BIOL 102, and BIOL 220. Offered: S.

BIOL 307 - Human Physiology (4)

Comprehensive coverage of the functional aspects of the organs and organ systems of the human body including disease, repair mechanisms and medical advances. Lecture: three hours; laboratory: two hours.

Prerequisite: BIOL 101, BIOL 102, and BIOL 220. Offered: F; S.

BIOL 308 - Introduction to Molecular Forensic Science (3)

An introductory course that covers DNA replication, transcription, and translation, and how these concepts are applied to forensic science. Investigations into DNA, RNA, and protein-based fingerprinting using human, animal, plant, and microbe models. Lecture: two hours; Laboratory: two hours.

Prerequisite: BIOL 101 or GE 155 and one other Biology course instructor's written consent. Offered: S.

BIOL 341 - Microbiology (4)

Biology of microorganisms with special emphasis on bacteria, their detection, isolation, and culturing techniques. Also covered are general principles of infection and immunity with emphasis on select human diseases. Lecture: three hours; laboratory: two hours.

Prerequisite: BIOL 101, BIOL 102, CHEM 101, CHEM 101L, CHEM 102, CHEM 102L. Offered: F; S.

BIOL 342 - Topics in Applied Microbiology (3)

Experimental exploration of advanced topics in applied microbiology, such as fermentations, clinically and environmentally relevant biofilms, quorum sensing, biodegradation, and biotechnology. Emphasis given to current issues in applied microbiology. Lecture: two hours; Laboratory: two hours.

Prerequisite: BIOL 341, CHEM 401, CHEM 401L.
Offered: F; S.

BIOL 345 - Plant Systematics (3)

Special emphasis on diagnostic features and criteria used in classifying plants. Investigations involve representatives of local, regional, and national flora. Lecture: two hours; Laboratory: two hours.

Prerequisite: BIOL 302. Offered: S.

BIOL 350 - Introduction to Experimental Methods (3)

Acquaints students with the concepts and procedures utilized in modern biological research. Designed to enhance the student's ability to understand and utilize various research techniques. Combined lecture and laboratory: four hours.

Prerequisite: BIOL 101, BIOL 102, CHEM 102, CHEM 102L and at least one other 200 level or higher Biology course with instructor's written consent. Offered: F; S.

BIOL 352 - Molecular Biology/Lab (4)

Introduces the molecular structure and enzymatic mechanisms that underlie the utilization of genetic information by prokaryotic and eukaryotic organisms, including control of RNA and protein synthesis. Special emphasis on fundamental, theoretical, and applied effects of recombinant DNA, RNA, and protein technology; and molecular techniques such as fingerprinting, sequencing and blots. Lecture: three hours, Laboratory: 2 hours and additional lab time scheduled as necessary.

Prerequisite: BIOL 210, BIOL 221, and CHEM 301.
Offered: F; S.

BIOL 355 - Career Entry Seminar (2)

Designed to enhance the preparedness of science majors to deal with pre-professional entry examinations. Special emphasis on MCAT, DAT, GRE (Specialty Area), and preparation of resumé and application cover letters. Lecture: two hours.

Prerequisite: Must be junior or senior classification Biology major or have Department Chair's written consent. Offered: F; S.

BIOL 380 - Cell Biology (3)

Covers details of the fine structure of cells, their physical/chemical composition, organization and metabolism. Lecture: three hours.

Prerequisite: BIOL 101, BIOL 102, CHEM 302, CHEM 302L. Offered: F; S.

BIOL 394 - Biodiversity (3)

An account of the cause and state of global biological diversity and the impact of environmental change on past diversity. Topics include molecular and organismal level biodiversity and speciation, conservation, and effect of human activities on biodiversity. Special emphasis on biomedical research, genetic engineering of foods, and human infectious diseases. Lecture: three hours.

Prerequisite: BIOL 210, BIOL 341. Offered: F; S.

BIOL 395 - Introduction to Neuroscience (3)

Focus on the neuron and its biological interactions in the nervous system. Topics will include the anatomy, development, chemistry, and physiology of the human nervous system and brain. Lecture: three hours.

Prerequisite: BIOL 307, CHEM 302. Offered: F.

BIOL 401 - Plant Physiology (3)

Focus on aspects of plant cells, including their general physiology; metabolic transformation; functions of leaves, roots, stems, flowers, and fruit; photosynthesis; respiration; and growth hormones activities. Lecture: two hours; laboratory: two hours.

Prerequisite: BIOL 302, CHEM 101, CHEM 101L.
Offered: S.

BIOL 405 - Animal Biotechnology (4)

Places emphasis on technologies that specifically use animal models to expose students to scientific discovery and applied laboratory techniques in biotechnology. Topics include ethics, pharmaceuticals, medicines and vaccines, diagnostics, transgenic animals, and animal cloning. Lecture: two hours; Laboratory: three hours and additional lab time scheduled as necessary.

Prerequisite: BIOL 101, BIOL 102, BIOL 350.
Offered: F.

BIOL 406 - Plant Biotechnology (4)

This course acquaints students with the concepts and procedures involved in plant tissue culture, transgenic plant production, patents and copyrights associated with plant sciences; and the ethical questions surrounding the use of this technology. Lecture: two

hours; Laboratory: three hours; and additional lab time scheduled as necessary.

Prerequisite: BIOL 101, BIOL 102, BIOL 350.

Offered: S.

BIOL 442 - Developmental Biology (3)

Early developmental processes of anatomical and physiological significance with particular emphasis on developmental stages of the frog, chick, and mammalian embryos. Combined lecture and laboratory: four hours.

Prerequisite: BIOL 101, BIOL 102, BIOL 201, BIOL 307. Offered: S.

BIOL 443 - Principles of Immunology (3)

A survey of the basic concepts and principles on acquired resistance of higher animals and humans to infection by microorganisms. Lecture: three hours.

Prerequisite: BIOL 341, CHEM 101, CHEM 101L, CHEM 102, CHEM 102L, CHEM 301, CHEM 301L.

Offered: S.

BIOL 450 - Advanced Techniques in Biotechnology (4)

This course focuses on the theoretical concepts and emphasizes "hands-on" experience with advanced techniques including, but not limited to, polymerase chain reaction, cDNA cloning and expression screening, and aspects of plant molecular biology, and biotechnology. Lecture: two hours; laboratory: four hours.

Prerequisite: BIOL 352, Must be junior or senior classification Biology major or have instructor's written consent. Offered: F.

BIOL 460 - Advanced Experimental Methods (4)

Increases the student's knowledge and practice of experimental techniques in a specific area of the biological sciences. Final written reports of experimental results is required. Lecture: two hours; laboratory: four hours; and additional lab time scheduled as necessary.

Prerequisite: BIOL 350, Must be junior or senior classification Biology major or have instructor's written consent. Offered: S.

BIOL 485 - Medical Terminology (1)

Designed for the pre-medical and pre-dental program to give students an opportunity to systematically build a medical vocabulary. Emphasis on Greek and

Latin prefixes, suffixes, word roots, and combining forms. Lecture: one hour.

Prerequisite: BIOL 101, BIOL 102. Offered: F; S.

BIOL 486 - Scientific Communication and Capstone (3)

This Capstone course evaluates the student's ability to understand and communicate complex scientific concepts in written and verbal formats. Emphasizes critiquing scientific articles, scientific writing, use of the library, writing professional documents; and conducting scientific presentations. Standardized knowledge and critical thinking exams may be conducted outside the meeting period. Lecture: three hours.

Prerequisite: Senior classification Biology major or Marine Environmental Sciences major or Instructor's written consent. Offered: F.

BIOL 487 - Statistical Applications in the Sciences (3)

Designed to enhance the student's ability to apply statistical techniques in the analysis of routine biological data. Emphasis on numerical methods, basic statistics, testing, significance, regression, correlation, experimental design, and variance, etc. Lecture: three hours.

Prerequisite: BIOL 101, BIOL 102. Offered: F; S.

BIOL 488 - Computer Applications in the Sciences (1)

Consideration of computer-related issues and applications in the sciences. Emphasis given to special topics that require the use of the computer in problem-solving. Lecture: one hour.

Prerequisite: Must be junior or senior classification Biology major or have the Department Chair's written consent. Offered: F; S.

BIOL 489 - Special Problems in Biology (1-3)

Provides students the opportunity to address current topics in biological science via resource development, field studies, and library usage. Emphasis on student independent research and presentation. Lecture: one hour.

Prerequisite: Must be junior or senior classification Biology major or have the Department Chair's written consent. Offered: F; S.

BIOL 490 - Ethics in Biotechnology (1)

This seminar course provides students the opportunity to address the impact of biotechnology on human society and the environment via readings,

written critiques, discussions, and debates. Lecture: one hour.

Prerequisite: Must be junior or senior classification Biology major or have Department Chair's written consent. Offered: F; S.

BIOL 491 - Bioethics in Healthcare (3)

The course provides an overview of most of the major areas of biomedical ethics. Participants will gain familiarity with terminology, resources, and major frameworks of ethical analysis in biomedical ethics. Issues that will be analyzed include physician-assisted suicide, pediatric ethical dilemmas, resource allocation, and problems posed by managed care and research ethics. Extensive use of case studies will develop the participants' ethical problem solving skills. Lecture: three hours.

Prerequisite: Must be junior or senior classification Biology major or have the Department Chair's written consent. Offered: F; S.

BIOL 492 - Methods in Life Sciences Instruction (3)

Principles of instructional strategies and laboratory techniques associated with teaching life sciences at the level of Intermediate Education (4-6).

Prerequisite: BIOL 101, BIOL 102; CHEM 101, CHEM 101L, CHEM 102, CHEM 102L. Offered: F; S.

BIOL 493 - Field Experience in Biological Science (3)

Designed to give Biology majors on-the-job training experiences in such areas as medicine, pharmaceutical science, biotechnology, veterinarian medicine, health, environment, and research. The student is responsible for arranging the internship, shadow, or other field experience prior to enrolling in this course. May be repeated once for credit for a unique field experience with Department consent. Meeting hours are approved by instructor and field mentor and are typically 5-10 hours per week.

Prerequisite: Sophomore, junior or senior level classification Biology major. Offered: F; S.

BIOL 495 - Biology Seminar (1)

This course evaluates the ability of the student to research and present data in a scientific oral presentation. Content focuses on recent advances and problems in biology with strong emphasis on participation and discussion. Lecture: one hour.

Prerequisite: Senior classification Biology major or Marine Environmental Science major or the Department Chair's written consent. Offered: F; S.

BIOL 496 - Science and Human Values (1 or 2)

Covers the impact of science on our society and the implications of emerging ideas on the shaping of future societies. Emphasis on student independent research and presentation. Lecture: two hours.

Prerequisite: Must be junior or senior classification Biology major or have the Department Chair's written consent. Offered: F; S.

BIOL 499 - Biological Research (3)

Investigational work on a select topic in biology under the guidance of faculty members in the department. Laboratory: two - four hours and additional lab time scheduled as necessary.

Prerequisite: BIOL 220, BIOL 221, and CHEM 301. Must have junior or senior classification. Requires department chair and instructor written consent. Offered: F; S.

BKED - BIRTH - KINDERGARTEN COURSE DESCRIPTIONS

BKED 201 - Introduction to Birth-Kindergarten (1)

An overview of the field of early care and education. Emphasizes the elements of high-quality programs, governing standards and regulations, and historical perspectives. The course focuses on career options in the field of birth through kindergarten education.

BKED 202 - Child Growth and Development I: Infants and Toddlers (3)

This course provides an overview of physical, cognitive/language, and social and emotional development in children from birth through two. Students will explore prevailing philosophies and theories of child development.

Offered: F.

BKED 203 - Child Growth and Development II: Preschool and Kindergarten (3)

This course provides an overview of physical, cognitive/language, and social and emotional development in children ages three to five. Students will explore prevailing philosophies and theories of child development.

Offered: S.

BKED 305 - Early Childhood Literacy Development (3)

Emphasizes the process of developmental literacy skills in children ages birth to kindergarten. The course is an in-depth experience providing students with the opportunity to recognize and describe the developmental stages in literacy acquisition. Participants identify factors that influence early literacy development (readiness, family, medical) and design integrated, developmentally appropriate lesson plans. Students examine different literary genres and themes appropriate to young children with an emphasis on resources for children of culturally and linguistically diverse backgrounds. Guidelines for the implementation of appropriate literature-based activities will be addressed throughout the course. Students present a professional development session for a selected audience.

Offered: F.

BKED 325 - Infant and Toddler Curriculum and Development (3)

Emphasizes curriculum development and assessment from birth to preschool. This course introduces students to important frameworks for planning, implementing, and evaluating curriculum as it affects development and the various subject-matter disciplines. Significant details are placed on the methods and strategies that inform the development of meaningful and relevant curriculum. Students engage in in-depth studies of developmentally appropriate curriculum modes. The course also examines the influence of family and culture on curriculum and provides models of how to incorporate these and other variables into a well-rounded curriculum.

Offered: F.

BKED 330 - Educational Assessment of Infants, Toddlers & Preschools (3)

Addresses the acquisition of knowledge and skills related to the development, as well as the interpretation, of assessments used in Early Childhood Classrooms (infant, toddlers and preschool). Observing, documenting, and assessing young children (birth-five years) using formal and informal assessment tools across all areas of development is also addressed. Twenty-five hours of field experience is required.

Prerequisite: Admission to Teacher Education Program (all materials must be completed and on file). Offered: S.

BKED 335 - Communication and Collaboration in Schools and Communities (3)

Promotes the ability to communicate effectively in diverse school and community settings. Students explore the relationship between culture and communication and understand the importance of collaboration in schools and communities to support optimal learning in children.

Prerequisite: Admission to Teacher Education Program not required.

BKED 340 - Early Childhood Intervention (3)

An overview of screening and assessment, interdisciplinary family service planning, and intervention strategies for children ages birth-three. Students become familiar with the processes of screening and assessment, development of Individualized Family Service Plans, and implementation of intervention strategies.

BKED 345 - Exploration of Early Childhood Settings (3)

Explores the settings in which services are provided to children ages birth-five. Settings include public school programs, private childcare, federal programs, and community agencies. Students are required to observe in various settings for a minimum of 10 hours.

BKED 420 - Preschool Curriculum (3)

Emphasizes the planning of an integrated curriculum for preschool children with emphasis on science, social studies, creative activities and technology. This course introduces students to important frameworks for planning, implementing, and evaluating curriculum as it affects development and the various subject-matter disciplines. Focuses on planning integrated curriculum for working with parents and parent education. The course also explores theoretical principles of the preschool play-based curriculum, which includes typical and atypical preschool age learning, design and adaptation of environments to promote development and learning, positive guidance, and effective teacher roles. Students learn how observation and analysis of children's play provide the foundation for curriculum development, meeting the needs of children with diverse backgrounds and abilities.

Prerequisite: Admission to Teacher Education; an approved application from the Office of Student Services (all materials must be complete and on file.). Offered: F; S.

BKED 454 - Inclusive Preschool Environments (3)

Uses task analysis and systematic instruction in individualization. Adapting, modifying, and evaluating curricula and methods, planning physical space appropriate to children's cognitive, physical, and socio-emotional development. Developing an understanding of the role of environments on children's learning and behavior including schedules, materials, room arrangement, and center-based learning. Incorporating diversity through the environment. This course also examines children in the context of the families in which they live to assist parents in determining appropriate educational plans from the preschool environment to transition to kindergarten.

Prerequisite: Admission to Teacher Education; an approved application from the Office of Student Services (all materials must be complete and on file.). Offered: F; SS.

BKED 455 - Administration of Early Childhood Programs (3)

Focuses on the administration of early childhood programs as well as the educational requirements of the administrator and staff. Students will observe in an early childhood program for 10 hours and interview an early childhood administrator.

BKED 460 - Issues and Trends in Early Childhood Education (3)

Study of how knowledge in early childhood education is created, organized, and linked to other disciplines through a critical review of current literature and research.

Prerequisite: Admission to Teacher Education; an approved application from the Office of Student Services (All materials must be complete and on file.). Offered: S.

BKED 465 - Community Agencies and Resources (3)

Explores the purpose and function of agencies serving young children within the local community. Visits to local agencies will be made and a list of resources available to the early childhood community will be compiled.

BKED 470 - Kindergarten Curriculum and Standards (3)

Introduces students to the kindergarten curriculum and standards for students in the public school setting. Twenty hours of field experiences are required.

BKED 475 - Autism Spectrum & Related Behavior Disorders (3)

This course explores the characteristics of autism and identifies strategies for working with children with autism.

BKED 490 - Student Teaching (12)

This supervised field experience requires at least 14 weeks of student teaching. Student teachers are placed with individual mentor teachers or with teams of supervising teachers in approved, public classrooms or clinical settings. Student teachers are monitored and supported by Elizabeth City State University Supervisors. Placement priority is given to settings that serve culturally, linguistically, and socio-economically diverse student populations. Professional Development Sessions are scheduled by the Office of Student Services prior to placement to address professional issues related to the clinical semester and to provide support and assistance with the completion of the required portfolio.

Prerequisite: Admission to Teacher Education; an approved application from the Office of Student Services (all material must be complete and on file.); Taskstream must be completed. Offered: F; S.

BKED 491 - Internship in Early Childhood (6)

Students will intern in an early childhood center. Knowledge gained through coursework will be applied to the early childhood setting.

BKED 492 - Internship in Community Agency (6)

Students will intern in a community agency that serves children ages birth-five. Knowledge gained through course work will be applied to the community setting.

BMIS - MANAGEMENT INFORMATION SYSTEMS COURSE DESCRIPTIONS

BMIS 380 - Management Information Systems II (3)

Covers the theory and practice of Management Information Systems in today's digital, business

organization. Applies case studies and teamwork in a variety of business problem situations. Emphasizes practical case studies involving real corporate MIS problem scenarios, teamwork, and application of business software to develop practical business solutions. MIS II is the second preparatory course toward the Microsoft Office Specialist Certification (MOSC) examination.

Prerequisite: BUAD 190, with a C or higher. Offered: F, S.

BMIS 386 - Business Systems Analysis and Design (3)

Studies tools and techniques required for analysis, design, and implementation of business systems. It systematically describes entire life cycle of creating information systems, including requirements analysis, interface design, and management issues. It covers traditional System Development Life Cycle (SDLC) together with emerging development methods such as Agile and Object Oriented.

Prerequisite: BMIS 380 with a C or higher. Offered: S.

BMIS 398 - Special Topics in Management Information Systems (3)

Topics of special interest to business students may be offered, or if there is a request by a group of students for a specific course not otherwise available. The students conduct study of these topics as business electives.

Prerequisite: Business Administration major, junior or senior standing, and permission of the department chair. Offered: F, S, SS.

BMIS 425 - IT and Cyber Security Management (3)

This course aims to provide students with the foundational knowledge in the areas of Information Systems Management (ISM) and Cyber Security Management (CSM). In the ISM component, students will examine the role of Information Systems in creating value and exploiting opportunities in an organization. In the CSM component, students will examine practices in cyber-security to better understand security systems for safeguarding data and information, and making organizations less vulnerable to attack.

Prerequisite: None. Offered: F.

BMIS 475 - Database Design and Management (3)

Studies relational database architecture, design and implementation in the context of various organizations. Includes issues of data normalization, queries, programmable queries, and use of relational database technologies for building business-oriented applications. Students will also get hands-on experience with leading SQL and RDBMS tools currently popular in business and government settings.

Prerequisite: BMIS 380 with a C or higher. Offered: F starting F16.

BMIS 485 - Business Intelligence and Analytics (3)

Studies ways in which enterprises can use data to make better decisions in different business functions. It provides introduction to different aspects of Business Intelligence and Analytics, including processes, methodologies, infrastructure, and current practices used to transform business data (including unstructured "Big data") into useful information to support business decision-making.

Prerequisite: BMIS 380 and ECON 260, each with a C or higher. Offered: F16, then S.

BMIS 489 - Project Management (3)

Lays foundation for understanding of project management concepts and principles. Prepares students to address challenges of managing business projects effectively through industry standard tools and technology. Covers key components including project integration, scope, time, cost, risk, and human resource management, and communications. Also prepares for Project Management Institute (PMI) certification.

Prerequisite: BUAD 190 or equivalent. Offered: F, starting F16.

BUAD - BUSINESS ADMINISTRATION COURSE DESCRIPTIONS

BUAD 190 - Management Information Systems (3)

Emphasizes personal productivity concepts using functions and features in business computer software including Operating Systems, Internet, WEB and E-commerce; Word-processing, Spreadsheets, Database Management Systems and Presentation

Graphics. Students learn to apply information technologies to problem situations and to use small information systems for individuals and groups.

Offered: F, S.

BUAD 115 - Introduction to Business (3)

Surveys the various business disciplines and provides exposure to current issues such as globalization, entrepreneurial management, diversity, and ethics. Emphasizes the importance of the business sector on the dynamic market-driven economy. Serves as an **introductory course** to the field of business and as prerequisite for all other business courses.

Prerequisite: None. Offered: F, S, SS.

BUAD 200 - Business Communication (3)

Emphasizes and enhances the importance of communication skills in the business world. Covers the foundations of communication for business -- writing, speaking, listening and reading as well as nonverbal communication and impression management. Builds communication skills with technologies and practical business applications addressing inter-cultural communication skills for the global business community.

Prerequisite: BUAD 115 and GE 103. Offered: F, S, SS.

BUAD 240 - Ethics (3)

Covers the theories of ethics and the practice of ethical leadership in dynamic business environment.

Prerequisite: MNGT 221, MRKT 231. Offered: F, S, SS.

BUAD 241 - Business Law (3)

Study of law and its application to business and business transactions. A survey course designed to familiarize today's business student with the legal process, specific laws, and the legal reality facing business people in the increasingly diverse and complex workplace.

Prerequisite: BUAD 115. Offered: F, S, SS.

BUAD 260 - Career Development Seminar (1)

Covers resume writing, job preparation, interviewing techniques, graduate and professional school preparation, test-taking skills, and related career development issues. Guests from the world of business practice will be invited as presenters.

Prerequisite: BUAD 115. Offered: F.

BUAD 322 - Entrepreneurship (3)

Covers how to start a new enterprise and the requirements for its successful operation. Topics include the legal forms of organizations, financing, risks, and operations in small business. Emphasis is on the development, presentation, and use of the business plan.

Prerequisite: BUAD 115, ECON 202, and ACCT 101 or ACCT 210, with a C or higher. Offered: F, S.

BUAD 330 - Risk Analysis, Fraud Detection and Internal Controls ()

This course deals with risk analysis, fraud detection, and internal control frameworks in the context of cyber security and project management in business organizations. Possible topics include risk governance, risk management, risk assessment, fraud symptoms, fraud detection, investigation of thefts and concealment, conversion methods and inquiry method, preventing fraud, control environment, risk assessment of internal controls, control activities, information and communication about controls and monitoring activities.

Offered: F/S.

BUAD 341 - Management Concepts for Project Managers

Besides knowing the key knowledge areas that are associated to project management, it is expected that project managers demonstrate high management and leadership skills. Project managers should be able to motivate and inspire team members, align team members to the correct areas on a project, build relationships, negotiate well and resolve conflicts. This course is designed to provide foundational concepts in management, and scenario based interactive sessions that will help students become better project managers and team players on a project.

Prerequisite: None. Offered: F; S.

BUAD 342 - Technical Writing for Project Managers

The work of project managers entails a large amount of communication as it relates to writing to inform or reading to understand. In this course students are taught the skills set that will allow them to communicate project information using appropriate technical writing constructs. Students will also be taught the strategies to present project reports and

proposals that are precise, thorough and convey professionalism.

Offered: F/S.

BUAD 343 - Experiential Learning in Project Management

In this course students will be provided with the opportunity to experience and report on real projects. Students will be asked to research real projects within the community and complete a formal project proposal to be evaluated for possible publication submission. The completion of BUAD 341 and 342 (prerequisites to this course) and this course will provide the students with the skills, knowledge, and capabilities necessary for managing project teams, writing project-based reports, and experiencing project environments.

Prerequisite: Can either be concurrent or previous.

Offered: F/S.

BUAD 360 - Quantitative Methods for Business and Economics (3)

Exploration of mathematical techniques used in economics and business management with emphasis on applied problems and the relationship between technique and theory.

Prerequisite: ECON 260 with a C or higher. Offered: F, S, SS.

BUAD 365 - Business Research and Report Writing (3)

Comprehensive techniques of business reporting, which include surveying markets, summarizing findings, and writing analytical and informative reports.

Prerequisite: ECON 260 with a C or higher. Offered: F, S.

BUAD 423 - E-Commerce

The advent of Internet and the World Wide Web has had a profound effect on all aspects of the way a firm conducts its business. This new way of conducting business has changed the way a firm generates and delivers value, and the way it finds customers and creates markets. With this in mind, this course is intended to help students develop a broad understanding of the driving forces behind the expanding field of e-commerce: technology change, business development, and social issues. The emphasis of the course will be managerial focused rather than technically focused. The course will specifically explore areas in e-commerce as it relates

to: Business Models and Concepts; Infrastructure; the Presence and impacts of Web Sites, Mobile Sites, and Apps; Security and Payment Systems; Marketing and Advertising Concepts; and, Ethical, Social, and Political Issues.

Offered: F.

BUAD 425 - Franchising (3)

A survey of franchises, royalties and fees, legal implications of franchising, selection among franchise opportunities, franchise application process, franchise training, and operations.

Prerequisite: None. Offered: even F.

BUAD 426 - Supply Chain Management (3)

This course explores the functions of supply chain management. Topics discussed in this course include distribution network, sourcing, forecasting and integrated planning, supply chain coordination and information technology, global supply chain, outsourcing, logistics and transportation, inventory and warehousing, and supply chain performance measurement.

Prerequisite: MNGT 221 with a C or higher. Offered: S.

BUAD 455 - Strategic Management (3)

A capstone course that examines the managerial tasks of developing and implementing both domestic and international organizational strategies. This is a case method course. Cases are used from the text and from current business situations. Students learn to apply the tools of analysis and critical thinking to the strategic challenges managers face.

Prerequisite: Senior standing, BFIN 311, MNGT 221, and MRKT 231, each with a C or higher; should be taken during student's final semester. Offered: F, S, SS.

BUAD 456 - International Business (3)

A study and investigation of environmental, policy-making, and cultural aspects of international business with focuses on business and managerial implications of each issue on the actual practice of international business. Many issues in international business are complex; they necessitate exploration of pros and cons of economic theories, government policies, business strategies, organizational structures, and social settings.

Prerequisite: Senior standing, BFIN 311, MNGT 221, MRKT 231, each with a C or higher; should be taken during the student's final semester. Offered: F, S, SS.

BUAD 490 - Internship I (3)

Develops student awareness of the business environment, the real world of work as it relates to their majors, providing visibility and hands-on experience in various business settings, stimulating entrepreneurship, and exploring various business and career opportunities. May require weekly class attendance. Requires working 150 hours to earn 3 semester hours credit.

Prerequisite: MNGT 221, MRKT 231, BUAD 190, ACCT 210 with a C or higher; Junior/Senior standing, minimum GPA of 2.0. Offered: F, S, SS.

BUAD 492 - Internship II (6)

Emphasis is on developing student awareness of the business environment, the real world of work as it relates to their majors, providing visibility and hands-on experience in various business settings, stimulating entrepreneurship, and exploring various business and career opportunities. Students may be required to attend weekly classes and must work 150 hours to earn 3 semester hours credit. Prerequisites: Junior or Senior standing, minimum 2.0 GPA.

Prerequisite: BUAD 490 with a C or better; junior/senior Standing, minimum GPA of 2.0. Offered: F, S, SS.

BUAD 495 - Independent Studies (3)

Students to explore topics of current interest or specialized research topics under the guidance of a faculty advisor. Course topics are intended to be flexible and creative, varying from each semester.

Prerequisite: Junior or Senior standing; permission of instructor; permission of department chair. Offered: F, S, SS.

CHEM - CHEMISTRY COURSE DESCRIPTIONS

CHEM 101 - General Chemistry I (3)

The first part of the general chemistry course in the two-semester sequence. Topics such as matter and measurement; atoms, molecules and ions; stoichiometry - calculations with chemical formulas and equations; types of chemical reactions, aqueous

reactions and solution stoichiometry; thermochemistry; and electronic structure of atoms; will be discussed.

Corequisite: CHEM 101L. Offered: F; S; SS.

CHEM 101L - General Chemistry I Lab (1)

Provides the student with an introduction to general chemical principles and reinforces concepts of the General Chemistry 101 lecture. Laboratory experiments will provide the student with opportunities to collect and analyze data and identify unknowns. One hour per week.

Corequisite: CHEM 101. Offered: FS; SS.

CHEM 102 - General Chemistry II (3)

The second part of the general chemistry course in the two-semester sequence. Topics such as periodic properties of the elements; basic concepts of chemical bonding; molecular geometry and bonding theories; gases; intermolecular forces; liquids, solids, and modern materials will be discussed.

Prerequisite: CHEM 101/CHEM 101L. Corequisite: CHEM 102L. Offered: F; SS.

CHEM 102L - General Chemistry II Lab (1)

Fundamental chemistry laboratory skills are emphasized for continued study of chemistry and related sciences and reinforce concepts of the General Chemistry 102 lecture. After successful completion of this course, the student will have an understanding of basic chemical concepts. One hour per week.

Prerequisite: CHEM 101L. Offered: F; SS.

CHEM 115 - Basic General, Organic, Biochem I (4)

A course in general chemistry with special emphasis on organic chemistry and biochemistry. A terminal course that does not meet requirements as a prerequisite for any higher level chemistry course. General, organic, and biochemistry and chemical applications in health professions. Introduces lab techniques in general, organic, and biochemistry.

Offered: F; S.

CHEM 116 - Basic General, Organic, Biochem II (4)

Continuation of CHEM 115.

Offered: F; S.

CHEM 200 - Additional Topics in General Chemistry (3)

Provides the biological, and /or the physical science major the opportunity to fill in any gaps that may exist in terms of the chemical topics needed to successfully pursue advanced knowledge in his or her chosen field of study. Needed topics not normally covered during enrollment in CHEM 101, and CHEM 102 will be undertaken. Topics such as acid-base equilibria, intermolecular forces, liquids, solids; modern materials; properties of solutions; chemical kinetics; chemical equilibrium will be discussed. Lecture: Three hours per week.

Prerequisite: CHEM 102. Offered: F; S.

CHEM 201/201L - Analytic Chemistry I (4)

This course is intended to provide a sound, physical understanding of analytical chemistry by chemistry majors, as well as non-majors. This course is an introduction to the theory and practice of quantitative chemical analysis a major component of analytical chemistry involving the measurement of how much of a chemical substance is present in a sample submitted for analysis. (2 hours of lecture and 2 hours of laboratory)

Offered: F;S.

CHEM 202 - Quantitative Analysis (2)

Introduction to fundamentals of analytical chemistry including: statistical methods for processing of analytical data, volumetric and gravimetric titrations, acid-base equilibria, spectrophotometric methods of analysis, chromatographic separation, and analysis. Thorough coverage of topics on activity and chemical equilibrium, solubility products, and redox reactions will also be provided. Lecture: two hours per week.

Prerequisite: CHEM 101L. Corequisite: CHEM 202L. Offered: F; S.

CHEM 202L - Quantitative Analysis (2)

Covers laboratory experiments and spreadsheet based data processing exercises to reinforce the techniques of quantitative chemical analysis. This course must be taken with CHEM 202. Laboratory: one hour per week.

Corequisite: CHEM 202. Offered: F; S.

CHEM 205 - Inorganic Chemistry/Lab (4)

An introduction to modern concepts of inorganic chemistry including electronic structures, molecular

structures and periodic classification of the elements. Additional topics will be selected from the following areas: bonding theories, quantum theory, solid state theory, transition metal complexes, methods of structural determination, bioinorganic chemistry and instrumental techniques currently used in inorganic chemistry. The experiments chosen are to illustrate inorganic synthetic techniques, method of purification, and methods of characterization.

Offered: F; S.

CHEM 301 - Organic Chemistry I (3)

Serves as an introductory course to organic chemistry for students majoring in chemistry and other fields in which organic molecules and reactions have fundamental importance. The course covers nomenclature, preparation, physical, and chemical properties and synthesis of organic compounds, particularly aliphatic and alicyclic hydrocarbons such as alkanes, alkenes, alkynes as well as alcohols and alkyl halides. Lecture: three hours per week.

Prerequisite: CHEM 102/CHEM 102L. Corequisite: CHEM 301L. Offered: F; S; SS.

CHEM 301L - Organic Chemistry I Lab (1)

Focuses on experimental techniques of modern organic chemistry with emphasis on separation, simple preparation, reactions and identification of organic compounds such as alkanes, alkenes, and alkyl halides. Three hours of laboratory per week.

Prerequisite: CHEM 102/CHEM 102L. Corequisite: CHEM 301. Offered: F; S; SS.

CHEM 302 - Organic Chemistry II (3)

Builds on basic concepts introduced in Organic Chemistry I and expands on it to encompass a systematic and in-depth study of the nomenclature, properties, preparation, and reactions of various classes of organic compounds. These include aromatic hydrocarbons, alcohols, ether, sulfides, epoxides, aldehydes, ketones, carboxylic acids and their derivatives. Spectroscopic techniques such as NMR, FT-IR, and MS etc., used in the determination of the structure of organic compounds will also be discussed. Lecture: three hours per week.

Prerequisite: CHEM 301/CHEM 301L. Corequisite: CHEM 302L. Offered: F; S; SS.

CHEM 302L - Organic Chemistry II Lab (1)

Emphasizes the instruction of experimental methods of modern organic chemistry such as preparation, synthesis, identification, and reactions of organic compounds such as alcohols, ketones, carboxylic acids aromatic compounds, and their derivatives. Laboratory: three hours per week.

Prerequisite: CHEM 301/CHEM 301L. Corequisite: CHEM 302. Offered: F; S; SS.

CHEM 350 - Chemistry Seminar (1)

Assessment of a student's oral and written communication skills in the discussion and presentation of multifaceted chemical concepts and current topics of interest. Course content will focus on recent advancements in chemistry.

CHEM 395 - Introduction to Neurochemistry (3)

Investigates the biological and chemical processes involved in central nervous system functioning and communication. It is a study of the nervous system from its structure, chemical, molecular and cellular biology, and function through to the consequences of its action, which is behavior. Emphasis will include the chemical aspects of synthesis, metabolism, and release of neurotransmitters and how drugs (legal or illegal) affect behavior. The neurodegeneration in such behavioral and neurological disease states as Alzheimer's disease, Parkinson's disease, multiple sclerosis and diabetic neuropathy will be discussed. Current research topics in this area will also be presented. Lecture: three hours per week.

Prerequisite: CHEM 302 or BIOL 307. Offered: F.

CHEM 401 - Biochemistry (3)

Covers the chemistry of essential biological molecules focusing on protein chemistry, while covering lipids and carbohydrates. It presents a systematic and methodical application of general and organic chemistry principles. Examines the structure of proteins and folding, their function, their binding to other molecules. Enzymes, mechanisms, kinetics, and allostery; bioenergetics; vitamins and coenzymes; introduction to intermediary metabolism are discussed in detail. Metabolic pathways are examined from thermodynamic and regulatory perspectives. This course provides the connection between the inert world of chemistry and the living world of biology.

Prerequisite: CHEM 301/CHEM 301L. Corequisite: CHEM 401L. Offered: F; S.

CHEM 401L - Biochemistry Lab (1)

Focuses on the fundamental techniques of protein biochemistry. The course will cover assay methods; separation of macromolecules by electrophoresis and chromatography; isolation, purification, analysis of enzymes, and methods for probing protein-ligand interactions

Offered: F; S.

CHEM 402 - Biochemistry II (3)

Provides a broad overview of the key concepts in biochemistry. Topics to be covered include lipids and amino acids metabolism and metabolic diseases processes. The nucleic acid structure and function, DNA replication, transcription, translation, signal transduction, and regulation of gene expression in prokaryotes and eukaryotes will be covered widely. The course also covered topics include cell cycle regulation and cancer biology. Lecture: three hours per week.

Prerequisite: CHEM 401/CHEM 401L. Offered: F; S.

CHEM 402L - Biochemistry II Lab (1)

Focuses on the fundamental techniques of biochemistry. The course will cover assay methods; separation of macromolecules by electrophoresis and chromatography; isolation, purification, and analysis of enzymes; recombinant DNA procedures; and polymerase chain reaction (PCR).

Offered: F; S.

CHEM 403 - Physical Chemistry I (3)

Provides students with an overview of the basic laws and theories of physical chemistry. Reviews the mathematics, and physics needed for physical chemistry, the three states of matter, perfect and real gases, the gas laws, the four laws of chemical thermodynamics and their applications, and equilibrium thermodynamics.

Prerequisite: CHEM 200; MATH 165; PHYS 181L or PHYS 192. Corequisite: CHEM 403L. Offered: F; S.

CHEM 403L - Physical Chemistry I Lab (1)

Experiments pertinent to the gas laws, Beer's law, and thermal conductivity of industrial materials. Laboratory: three hours per week.

Corequisite: CHEM 403. Offered: F; S.

CHEM 404 - Physical Chemistry II (3)

Gives students an overview of the basic laws and theories of Physical Chemistry: Chemical Kinetics, Electrochemistry, Quantum Chemistry, and Statistical Thermodynamics. Lecture: three hours per week.

Prerequisite: CHEM 403L. Corequisite: CHEM 404L. Offered: S.

CHEM 404L - Physical Chemistry II Lab (1)

Laboratory experiments are designed to reinforce the concepts covered in CHEM 404. Laboratory: one hour per week.

Corequisite: CHEM 404. Offered: S.

CHEM 405 - Instrumental Methods of Chemical Analysis (2)

Introduction to fundamental principles of modern instrumental analysis including: instrumentation and analytical applications of atomic and molecular spectroscopy, mass spectrometry, analytical separations, and electrochemistry instruments. Discussion of instrument design and capabilities as well as real-world problem solving with an emphasis on environmental applications. Hands-on laboratory work using modern instrumentation and independent projects involving environmental sampling and problem solving. Lecture: two hours per week.

Prerequisite: CHEM 202L. Corequisite: CHEM 405L. Offered: S.

CHEM 405L - Instrumental Methods of Chemical Analysis Laboratory (2)

Covers laboratory experiments and spreadsheet based data processing excises to reinforce the techniques of instrumental methods of chemical analysis. This course must be taken with CHEM 405. Laboratory: three hours per week.

Corequisite: CHEM 405. Offered: S.

CHEM 407 - Applied Biochemistry (4)

Reviews the chemistry of macromolecules in living systems with emphasis on biotechnological and biomedical methods. The first part of the course will focus on the relationship between the chemistry, structure, and function of proteins, nucleic acids, carbohydrates, lipids, and membranes. Critical methods used in modern biochemistry to analyze macromolecules in biotechnological, biomedical and research interests will be covered. The final topics

will be concerned with informational biochemistry, DNA replication, DNA recombinant technology and cloning methods, transcription factors analysis, sequencing techniques (DNA and protein), microarrays, and SiRNA. Extensive use of the Internet's resources (Pubmed etc.) and on-line journals will be also expected. This approach will assist the student to make the connection between abstract ideas and concrete applications.

Offered: F; S.

CHEM 425 - Selected Topics in Organic Chemistry (4)

Serves as a bridge between a yearlong organic chemistry courses and graduate courses in organic chemistry for those students who plan to go to graduate school. It is an in-depth treatment of the fundamentals and topics not covered in the two semester organic chemistry courses. The course focuses on structure and bonding, physical and chemical properties of various families of organic compounds as well as reaction mechanisms and synthesis. 3 hours of lecture per week.

Prerequisite: CHEM 302/CHEM 302L. Offered: F; S.

CHEM 430 - Introduction to Medicinal Chemistry (3)

Introduce undergraduate seniors and juniors to a complete course in medicinal chemistry, from first principles of drug action, to design and development, and to specific drugs. The course covers the structures and functions of important drug targets such as receptors, enzymes and nucleic acids, as well as pharmacodynamics and pharmacokinetic properties of drugs. General principles that apply in the discovery, design, and development of new drugs as well as classes of drugs will be discussed.

Offered: F.

CHEM 435 - Special Topics In Physical Chemistry (3)

Covers one or more of the following areas of Physical Chemistry: quantum chemistry, spectroscopy, statistical thermodynamics, and chemical kinetics. Three hours of lecture per week.

Prerequisite: CHEM 404/CHEM 404L, MATH 267; PHYS 182/PHYS 182L. Offered: F.

CHEM 450 - Chemistry: An Integrated Approach (3)

Test the upper-level student's understanding and mastery of Chemistry as a discipline and subject matter in terms of the five main branches of the subject. It is not intended to be a chalk-and-talk

course in the traditional sense. The main goal of the course is to determine how well the aspiring Chemistry major has been prepared in making the transition from being a major to being a professional in the field at the work place, and/or has been prepared for Graduate /Professional Schools at the next level of his/her educational career. Essential topics in General Chemistry, Analytical Chemistry, Biochemistry, Inorganic Chemistry, Organic Chemistry, and Physical Chemistry will be tabled for discussions and testing purposes.

Prerequisite: Prior knowledge of chemistry is required, and so are relevant concepts in mathematics and physics. It is assumed that the student has seen/learned most, if not all, of the material covered in the course at an earlier date. Offered: F; S.

CHEM 499 - Chemical Research (1-3)

Faculty supervision of student research in chemistry. Open to junior and senior students with demonstrated ability to carry out independent work in chemistry. Students may re-enroll for up to three semester hours of credit.

Prerequisite: Consent of Instructor/Department Chairperson. Offered: F; S.

CHIN - FOREIGN LANGUAGES COURSE DESCRIPTIONS

CHIN 101 - Introduction to Chinese I (3)

Students learn and master basic grammatical structure, in addition to being introduced to increasingly complicated forms of expression. Students will use Chinese at a basic introductory level after this course.

CHIN 102 - Introduction to Chinese II (3)

A continuation of CHIN 101. Students continue to learn and master basic grammatical structures, in addition to being introduced to increasingly complicated forms of expression. Students will use Chinese with greater regularity to communicate in class.

Prerequisite: CHIN 101.

CJ - CRIMINAL JUSTICE COURSE DESCRIPTIONS

CJ 201 - Introduction to Criminal Justice (3)

An introduction to the administration of criminal justice in a democratic society through its primary agencies: police, courts, and corrections. This course emphasizes the theoretical and historical development of law enforcement through the influences of human behavior and the resulting impact on social, economic, and environmental factors.

Prerequisite: No Prerequisite. Offered: F; S.

CJ 203 - Criminal Justice Ethics (3)

Overview of the major philosophical schools of ethics and the application of ethical systems and standards to decision making by professionals working in every part of the criminal justice system.

Prerequisite: No Prerequisite. Offered: F or S.

CJ 204 - Corrections (3)

Examination and development of managerial concepts of correctional institutions and study of rehabilitation programs at state and federal levels.

Prerequisite: No Prerequisite. Offered: F; S.

CJ 206 - Police in American Society (3)

Examines the role of the police in society, including police organization and functions, subculture, and police power and authority. Police problems and issues, and the recruitment, training, and careers of police officers are also discussed.

Prerequisite: No Prerequisite. Offered: F; S.

CJ 208 - Drugs, Alcohol and Crime to Substance Abuse (3)

Explores the relationship of crime to alcohol and narcotics use. Characteristics of individuals likely to use illicit drugs will be examined in the conflict between individual freedom and society's desire to control drug use, as well as facts and myths regarding the role alcohol and other drugs play in criminal behavior. Strategies to combat the growing problem will be identified.

Prerequisite: No Prerequisite. Offered: F or S.

CJ 210 - Juvenile Justice System (3)

Procedural and substantive aspects of the juvenile justice system as it relates to intake, hearings, corrections, and rehabilitation programs.

Prerequisite: No Prerequisite. Offered: F; S.

CJ 211 - Diversity in Criminal Justice (3)

An examination of individual differences among professionals and those served in the criminal justice system. With a focus on positive solutions, the course examines gender, race, sexual orientation, religion, immigration, and how diversity offenders, victims, and practitioners.

Offered: F; S; SS.

CJ 212 - Women and the Criminal Justice System (3)

This course provides a comprehensive and unique view into the world of women interacting with the criminal justice system. The course explores three key issues as they related to women dealings with the criminal justice system: the female offender, the female crime victim, and the female employee or administrator. The course will approach these issues from a historical and contemporary context. It will examine specific types of criminality and victimization common to women as well as opportunities for women to participate in the administration of the criminal justice system as employees. The course will also address the relationships between female criminality, victimization, and employment and broader social, political, and economic definitions of female deviance and conformity.

Offered: F; S; M.

CJ 217 - Violent Crimes to Victimology (3)

Research studies dealing with control of these issues: terrorism, homicide, gangs, serial crimes of violence, interpersonal violence, and sexual assault. Emphasizes crimes involving weapons.

Prerequisite: No Prerequisite. Offered: F or S.

CJ 310 - American Constitution Law (3)

Study of basic principles of the American Constitutional System. Emphasizes judicial interpretation and application of these principles in construing powers of the government and the rights of the people. Historical background and analysis of major federal court decisions.

Prerequisite: CJ 201. Offered: F; S.

CJ 311 - Advanced Criminal Law and Jurisprudence (3)

Presents a basic concept of criminal law and creates an appreciation of the rules under which one lives in

our government. Particular emphasis upon the definitions of crime against the person, property, and specific offenses.

Prerequisite: CJ 201. Offered: F; S.

CJ 312 - Criminal Evidence (3)

Familiarization with the rules of evidence as well as reasons for the rules; instruction in collecting, protecting, and presenting evidence so that its admissibility will be assured.

Prerequisite: CJ 201. Offered: F or S.

CJ 313 - Research Methods in Criminal Justice (4)

An introduction to research design as applied to problems in crime and criminal justice. Includes an introduction to the scientific method, basic research designs, and data collection techniques.

Prerequisite: CJ 392. Offered: F; S.

CJ 314 - Criminal Procedure (3)

An in-depth survey of pre-trial and post-trial procedures. Considers applications of constitutional principles.

Prerequisite: CJ 201. Offered: F or S.

CJ 381 - Crime Myths and Moral Panic (3)

This course introduces students to the societal myths that exist regarding criminal behavior. Specific emphasis will be placed on the critical analysis of how the social institutions of government and mass media enable the construction and growth of these crime myths.

CJ 391 - Criminological Theory (3)

Nature, origin, and development of crime. Various scientific explanations of criminal behavior. Modern institutionalized crime and current programs for treatment and prevention.

Prerequisite: CJ 201. Offered: F; S.

CJ 392 - Statistics in Criminal Justice (3)

An introduction to elementary statistical methods as applied to problems in crime and criminal justice. Includes an introduction to problems of data description, data analysis, hypothesis testing and inference, and an introduction to the use of computers.

Prerequisite: CJ 201. Offered: F.

CJ 400 - Juvenile Delinquency (3)

Conceptions and theories of juvenile delinquency, treatment of juvenile offenders, and preventive programs.

Prerequisite: CJ 210. Offered: F; S.

CJ 406 - Introduction to Jurisprudence (3)

Study of the various schools and theories of jurisprudence, historical development of legal systems, legal reasoning, and juristic processes.

Prerequisite: CJ 201. Offered: F or S.

CJ 410 - Prosecution and the Courts (3)

Reviews the functions and practices of the prosecutor with special reference to an analysis of the interrelationships among charging, convicting, and sentencing, and in relation to the functions of police and probation staff. Provides an overview of court goals, functions, and potential for system reform.

Prerequisite: CJ 201. Offered: F or S.

CJ 489 - Senior Seminar in Criminal Justice (3)

Evaluation of criminal justice agencies. Review of actual applied issues and research-based solutions. Deployment of intellectual and academic skills to find solutions to problems.

Prerequisite: CJ 201 and 100 credit hours towards the Criminal Justice degree. Offered: F; S.

CJ 492 - Public Policy in Criminal Justice (3)

A study of the nature, development, and utilization of public policy within agencies of the criminal justice system. Topics include policy formulation, constraints on policy makers, influence of constituencies, and the role of research information. Case studies of issues such as crime control, prison overcrowding, police use of deadly force, the death penalty, and parole guidelines will be undertaken.

Prerequisite: CJ 201. Offered: F or S.

495 - Special Topics (3)

Examines new and emerging topics in the criminal justice field not otherwise covered in the curriculum. Topics will be offered periodically based on the acknowledged needs of the field and the availability of the instruction.

Prerequisite: CJ 201 or Permission of Instructor.
Offered: F; S; SS.

CJ 496 - Comparative Criminal Justice (3)

A general introduction to the world's main legal systems. Comparative study of the administration of justice, procedural problems, and selected substantive legal institutions.

Prerequisite: CJ 201. Offered: F or S.

CJ 498 - Directed Study in Criminal Justice (3)

Independent reading and research in Criminal Justice. Papers and oral reports as appropriate.

Prerequisite: CJ 201. Offered: F or S.

CJ 499 - Criminal Justice Internship (6)

Internship designed to combine theoretical knowledge with practical work by allowing students to participate in Criminal Justice agencies in the community. In addition, students must complete 200 work hours and submit work logs and a research paper or report on some aspect of the agency.

Prerequisite: One hundred hours of course work towards the Criminal Justice degree. Contract must be filed the semester before the internship begins. (A criminal justice major may waive the internship requirement and take two 400 level elective criminal justice courses). Offered: F or S.

COM - COMMUNICATIONS STUDIES COURSE DESCRIPTIONS

See other Course Listings under Mass Communications. (p. 287)

COM 200 - Interpersonal Communication (3)

Focuses on communication as a means of building and sustaining interpersonal relationships. Concepts of perception, attraction, self-disclosure, listening, verbal and non-verbal messages, conflict management, and gender communication.

Prerequisite: ENGL 102, ENGL 201, ENGL 202.
Offered: F.

COM 201 - Intercultural Communication (3)

Analyzes variables across intercultural contexts, including culture and meaning, nonverbal styles, patterns of symbolic transfer, and the influence of values on intercultural dialogue. Diversity issues and identity politics are also explored as a basis for understanding interracial communication and interfaith dialogue.

Offered: S.

CSC - COMPUTER SCIENCE COURSE DESCRIPTIONS

CSC 111 - Introduction to Computer Applications (3)

Introductory course for non-computer science majors about computers and how they work. Gives students hands-on experience with personal computers and productivity software. Applications covered include word processing, electronic spreadsheets, a database management system, and graphic presentation packages.

Offered: F; S; SS.

CSC 114 - Introduction to Computer Science (3)

Provides students with a basic understanding of programming practices and problem-solving skills. Concepts covered include number systems, the history and components of computers, flowcharting, pseudocode methodologies, understanding of programming practices, algorithms, test cases, and software development concepts.

Offered: F; S; SS.

CSC 115 - Programming I (3)

This course provides an introduction to programming and is taught in a high level programming language. The topics covered are data types, expressions, assignment, selection, repetition, introduction to arrays, functions, and recursion. Students are required to do programming projects.

Prerequisite: CSC 114 or ENGT 100. Offered: F; S; SS.

CSC 160 - Computer Science Majors Orientation Seminar (1)

A survey of computer science as a discipline and a profession with a focus on the mastery of useful modules for becoming an efficient and an effective computer scientist in both academia and the workplace.

Offered: F; S.

CSC 210 - C++ Programming (3)

CSC 215 - Programming II (3)

This is the second course in the programming series and covers I/O file stream objects and methods, classes and objects, operators, inheritance and polymorphism, dynamic objects, the string class and

exception handling, standard template library and structures, dynamic and static arrays, reference variables.

Prerequisite: "C" or better in CSC 115. Offered: F; S.

CSC 218 - Data Structures (3)

Introduction to Algorithmic Complexity; Object-Oriented Concepts; Container Class and Templates; Pointers; Linked Lists; Stacks; Queues; Recursion; Trees; Bubble; Insertion; and Merge Sort; Linear and Binary Searching; Graphs.

Prerequisite: "C" or better in CSC 215 or CSC 230. Offered: F; S.

CSC 230 - Object-Oriented Programming (3)

Understand and use object-oriented programming concepts using a high-level programming language. Students learn fundamental data types, basic control structures, classes, objects, methods, arrays, string processing, file I/O, templates, recursion, lists, searching, sorting, inheritance, polymorphism, graphics, GUI, and multithreading.

Prerequisite: "C" or better in CSC 114 or CSC 115. Offered: F, S.

CSC 240 - Introduction to Cybersecurity (3)

This course introduces security core concepts, terminology, technologies, and skills. The students will gain insight into the importance of cybersecurity and the integral role of cybersecurity professionals. Major security topics covered will include attacks, spyware, security architecture, hacking, firewalls, incidents, intrusion, and emerging IT and IS technologies.

Prerequisite: "C" or better in CSC 114. Offered: F.

CSC 260 - Sophomore Seminar in Computer Science (1)

History of Computing; Social Context; Analytical tools; Professional Ethics; Risks; Security Operations, Intellectual Property, and Privacy and Civil Liberties. Designed to give students an introduction to the major and to provide the basic knowledge, overview, and foundation for the curriculum.

Prerequisite: "C" or better in CSC 215 or CSC 230. Offered: S.

CSC 300 - Introduction to Mobile Robotics (3)

Design, construction, and programming of mobile robots. Topics include computational hardware,

sensors, motors, power, locomotion, kinematics, perception, and localization.

Prerequisite: "C" or better in CSC 218. Offered: S.

CSC 305 - Introduction to Bioinformatics (3)

This course studies the application of computing techniques to solving problems in the field of bioinformatics and computational molecular biology. You will gain practical experience in the use of bioinformatics tools and algorithms and will utilize APIs for scientific programming and data visualization.

Prerequisite: "C" or better in CSC 114. Offered: F.

CSC 314 - Computer Architecture and Organization (3)

Digital Logic and Data representation; Computer Architecture, Organization, and Abstraction; Interfacing and I/O Strategies; Instructions; Computer Arithmetic; Processor; Memory Architecture; Storage Multiprocessing; Performance; Distributed Architectures.

Prerequisite: "C" or better in CSC 215 or CSC 230. Offered: F; S.

CSC 315 - Programming Languages Concepts (3)

Programming Languages Overview; Different Phases of Language Translation; Parsing; Syntax Analysis; Semantic Analysis; Declarations and Types; Scopes; Concurrency; Code Improvement; Abstraction and Object Oriented Programming; Functional Programming; Logic Programming; Scripting and Markup Languages.

Prerequisite: "C" or better in CSC 218. Offered: F.

CSC 318 - Algorithms (3)

Function Growth and Complexity; Divide and Conquer, Heapsort; Quicksort, Linear-Time Sort, Hash Tables, Binary Search Trees, Red-Black Trees, Dynamic Programming; Greedy Algorithms, Breadth-First Search; Depth-First Search, Minimal Spanning Tree, Single-Source Shortest Path, All-Pair Shortest Paths, Linear Programming, NP Completeness, and Approximation Algorithms.

Prerequisite: "C" or better CSC 218. Offered: F.

CSC 322 - UNIX Administration & System Programming

This course covers a detailed introduction to UNIX operating system from the administrator perspective, test manipulation techniques using grep, sed, and awk, shell, and other system programming.

Offered: S.

CSC 325 - Database Systems (3)

Provides an introduction to database systems. Topics include data models, with a focus on relational database models, database design, transaction management, and SQL using a readily available database management system and applicable languages to reinforce concepts.

Prerequisite: "C" or better in CSC 218. Offered: F; S.

CSC 335 - Introduction to Web Design (3)

This course will provide a basic understanding of the methods and techniques of developing a moderately complex web site using client-side and server-side programming languages. Students will produce a project that consists of a medium design effort.

Prerequisite: "C" or better in CSC 325. Offered: F.

CSC 401 - Data Mining & Machine Learning (3)

The course covers the most important data mining techniques and provides background knowledge on how to conduct a data mining project. It also gives a basic introduction to data analysis. After defining what knowledge discovery and data mining is, data mining tasks such classification, clustering, and association analysis will be discussed in detail. Basic data analysis techniques, centering on basic visualization techniques and statistics, to get a better understanding of the data mining task at hand will be covered. Moreover, techniques how to preprocess a data set for a data mining task will be introduced. Moreover, in course projects you will obtain hands on experience in conducting data mining and data analysis projects.

Prerequisite: Consent of Instructor or Junior Classification. Offered: F.

CSC 409 - Artificial Intelligence (3)

An introduction of the basic concepts and problem-solving techniques of artificial intelligence, the study of computers in context with human thought processes. Topics include heuristic programming, knowledge representation, natural language understanding, expert systems, and search strategies. One or more computer languages will be used.

Prerequisite: "C" or better in CSC 315 or MATH 351. Offered: S.

CSC 410 - Net-Centric Computing (3)

Introduction to Networks, Network Communication, Network Security, Web Organization, Networked Applications, Network Management, Compression, Multimedia Technologies, and Mobile Computing.

Prerequisite: "C" or better in CSC 314. Offered: F.

CSC 412 - Software Engineering (3)

Discusses topics related to software design including various software lifecycle methodologies. Students are expected to complete a software design effort that models the phases of a software lifecycle.

Prerequisite: "C" or better in CSC 325. Offered: F.

CSC 413 - System Analysis and Design (3)

A survey of techniques for performing system analysis and system design tasks. Includes sources of error in developing software, fundamental steps in developing software, duties and responsibilities of the System Analyst, automation of software development, problems in software development, the software life cycle, standard software development models, object-oriented software development, trends in software development, and metrics. Students will produce a term project that consists of a medium/large design effort.

Prerequisite: "C" or better in CSC 325. Offered: S.

CSC 414 - Python Programming & Visualization (3)

This course provides students with in-depth understanding on Python programming and its applications in visualization. Concepts covered include package generation, scope, exception, generator, coding style, documentation, Jupyter, numpy module, panda module, matplotlib module, and other relative modules.

Prerequisite: "C" or better in CSC 114 and MATH 351. Offered: F.

CSC 415 - Computer Graphics (3)

Fundamental Techniques; Graphic Systems; Graphic Communication; Geometric Modeling; Basic Rendering; Advanced Rendering; Advanced Techniques; Computer Animation; Visualization; Virtual Reality; Computer Vision; Computational Geometry; and Game Engine Programming.

Prerequisite: "C" or better in CSC 218 and MATH 351. Offered: Upon Request.

CSC 420 - Operating Systems (3)

Overview of Operating Systems; Operating Systems Principles; Concurrency; Scheduling and Dispatch; Memory Management; Device Management; Security and Protection; File Systems; Real Time and EmbEd.D.ed Systems; Fault Tolerance; System Performance Evaluation; Scripting; Security Models; and Device Management.

Prerequisite: "C" or better in CSC 218. Offered: S.

CSC 421 - Topics In Computer Science (3)

Topics of current interest in Computer Science that would aid in the development of student's growth and development as a Computer Scientist.

Prerequisite: Consent of Instructor or Junior or Senior classification. Offered: Upon Request.

CSC 430 - Undergraduate Research in Computer Science (3)

Directed study in an existing area of computer science resulting in a research project.

Prerequisite: Consent of Instructor or Junior or Senior classification. Offered: Upon Request.

CSC 435 - Advanced Web Design (3)

This course provides students with state of the art web programming techniques and frameworks. Concepts covered include HTML5, CSS3, Javascript, JQuery, Bootstrap, Angular, Symphony, MySQL, mongoDB, and other relative techniques.

Prerequisite: "C" or better in CSC 230 and CSC 335. Offered: F.

CSC 451 - Numerical and Symbolic Computing (3)

Solving mathematical models using various algorithms; implementing algorithms using symbolic software such as Mathematica; error analysis; sources, propagation and measurement; differentiation; nonlinear equations; systems of equations (non-iterative and iterative methods); interpolation and extrapolation; numerical solutions of differential equations, and eigenvalue problems.

Prerequisite: "C" or better in MATH 265 and either CSC 115 or CSC 230. Offered: S.

CSC 452 - Internship (3-6)

Students engage in supervised experience with business, industry, or government. Evaluation to be based on written reports by employer and University supervisor.

Prerequisite: Consent of Instructor. Offered: F; S; SS.

CSC 460 - Senior Seminar in Computer Science (2)

Provides students the opportunity to demonstrate their accumulated knowledge, skills, and growth in the major.

Prerequisite: Consent of Instructor and Senior classification. Offered: F.

DGM - DIGITAL MEDIA

DGM 159 - Interactive Video (3)

Introduction to visual and graphic communication in the print media involving perception, typography, picture editing, and basic computer skills. Techniques of editing video and writing for electronic publishing.

Offered: S.

DGM 165 - Digital Media Communications (3)

A course to study state-of-art theories and production of digital communication by developing artistic, academic, professional, and technical proficiency using digital media.

Offered: F; S.

DGM 260 - Film Theory & Cinematography (3)

An introduction to the appreciation of feature films, with concentrations on film genres and criticism. Emphasizes representative American films from the early 20th century to the present. Includes viewing representative films from various film genres and eras.

Offered: F; S.

DGM 298 - Social Media Analysis (3)

This course surveys various methods and practices of using social media for marketing and political purposes. The courses prepares students how to collect, study, and analyze information presented on social media.

DGM 325 - Drone Cinematography (3)

This course teaches students how to use drones for cinematography. There is a growing demand and business for drones to be used in documentaries, promo reels, and other professional uses, thus teaching students how to fly and film is critical.

Offered: F, S.

DGM 371 - Digital Storytelling (3)

Digital Storytelling is an important skill to learn and produce when it comes to digital media. Students in the class will learn how to create narratives related to short documentaries, highlighting profiles or venues.

Offered: F, S.

ECON-ECONOMICS-FINANCE-COURSE-DESCRIPTIONS

ECON 201 - Principles of Economics I (3)

An introduction to macroeconomics, including a study of economic institutions and relationships in society. Resource allocation, the market system, national income accounting and analysis, the banking system, and monetary and fiscal policy are analyzed and discussed. *Partially fulfills GE requirement in Social & Behavioral sciences.*

Offered: F, S, SS.

ECON 201H - Principles of Economics I Honors (3)

An introduction to macroeconomics including the economic system as a whole. Covers aggregate economic relationships and institutions; discusses and analyzes resource allocation, the market system, national income measurement, the banking system, monetary and fiscal policy, inflation, recession, economic growth and international exchange markets in the context of a private enterprise system.

Prerequisite: Membership in Honors Program.

Offered: F.

ECON 202 - Principles of Economics II (3)

An introduction to microeconomics including a study of the individual firm, supply and demand, market structures, the pricing of resources, and the theory of distribution. Contemporary economic problems such as the farm problems, market structures and the public interest, and international trade are discussed. *Partially fulfills GE requirement in Social & Behavioral Sciences.*

Prerequisite: None. Offered: F, S, SS.

ECON 260 - Business/Economics Statistics I (3)

Statistical methods, including measures of central tendency, dispersion, sampling, probability, and regression analysis.

Prerequisite: GE 115 with a C or higher. Offered: F, S.

ECON 261 - Business/Economics Statistics II (3)

This course is a continuation of Business & Economics Statistics I course and covers the theory of statistical analysis with practical application in business scenarios. Topics covered will include hypotheses testing, chi square tests, ANOVA, linear regression analysis, time series analysis, and forecasting. The course will also make use of statistical software for analysis.

Prerequisite: ECON 260 or STAT 251 with a C or higher. Offered: F, S, SS.

ECON 318 - Money, Credit, and Banking (3)

Study of subjects from the viewpoint of the businessman, banker, and the public. Examines development and present status of the American money market, credit controls, monetary policy, debt management, and monetary theory.

Prerequisite: ECON 201 and ECON 202, each with a C or higher. Offered: S.

ECON 325 - Current Economic Problems (3)

Study of domestic and international economic problems and proposed solutions. Trends such as employment, inflation, poverty, the gold flow, and farm problems are analyzed.

Prerequisite: ECON 201, ECON 202. each with a C or higher. Offered: F.

ECON 360 - Econometrics (3)

This course exposes students to the statistical techniques Economists use for estimating, testing, and forecasting economic relationships. The course also involves empirical testing of data using various econometric methodologies. Significant emphasis will be given to the use of statistical software packages.

Offered: F, S.

ECON 376 - Public Finance (3)

Public expenditures, federal and state revenue systems, financial administration, budgeting, and public debt management.

Prerequisite: ECON 201 and ECON 202, each with a C or higher. Offered: F.

ECON 398 - Special Topics in Economics (3)

Topics of special interest to business students may be offered, or a request by a group of students for a specific course not otherwise available. The students conduct study of these topics as business electives.

Prerequisite: Junior or Senior standing and the department chair's written consent. Offered: F, S, SS.

ECON 435 - Economic Development (3)

This course will introduce students to the basic issues of economic growth and development, poverty, and inequality. The course will help students distinguish between highly developed and less developed economies, and what causes this difference. Relevant government policies in the context of economic development will also be discussed.

Offered: F, S.

ECON 455 - International Economics (3)

Analysis of the flow of goods and services between countries and the financial aspects of international trade. Includes benefits from trade, restraint of trade, terms of trade, financial trade, and the balance of payments analysis.

Prerequisite: MNGT 221, MRKT 231 and BFIN 311, each with a C or higher. Offered: S.

ECON 470 - Microeconomic Analysis (3)

Development of methods in economic analysis and the application of these methods to problems of price and production under conditions of competition, monopoly, monopolistic or imperfect competition, and oligopoly.

Prerequisite: ECON 201, and ECON 202, each with a C or higher. Offered: S16, then F.

ECON 480 - Macroeconomics Analysis (3)

Study of determinants of income, employment, and interest rates with emphasis on government policy to stabilize economic conditions.

Prerequisite: ECON 201, and ECON 202, each with a C or higher. Offered: S.

EDUC - EDUCATION COURSE DESCRIPTIONS

EDUC 160 - Pre-Professional Studies III: Praxis I Reading (2)

Assists students as they prepare to enter the Teacher Education program. A special focus is on preparing students for the Reading section of Praxis I. Students will learn and practice reading strategies, as well as test taking strategies, necessary for future success as teachers.

Offered: F; S; SS.

EDUC 170 - Pre-Professional Studies III: Praxis I Mathematics (2)

Assists students as they prepare to enter the Teacher Education program. A special focus is on preparing students for the Mathematics section of Praxis I. Students will learn and practice mathematics concepts, strategies, and procedures, as well as test taking strategies, necessary for success as future teachers.

Offered: F; S; SS.

EDUC 180 - Pre-Professional III: Praxis I Writing (2)

Assists students as they prepare to enter the Teacher Education program. A special focus is on preparing students for the Writing section of Praxis I. Students will learn and practice writing strategies, as well as test taking strategies, necessary for success as future teachers.

Offered: F; S.

EDUC 203 - Introduction to Computer Instructional Technology (3)

Provides pre-service teachers with an introduction to the instructional use of technology. Emphasizes current computer competencies as set forth by the North Carolina Department of Public Instruction and standards of the International Society for Technology in Education.

Offered: F; S.

EDUC 210 - Professional Studies I: Introduction to Education (3)

First course in a required four-course sequence which addresses advocating for diversity, effective classroom facilitation, reflective practice, critical thinking, instructional technology, and competent evaluation. 15-hours field experience.

Prerequisite: Required Criminal Background check and 15 hour field experience. Offered: F; S; SS.

EDUC 220 - Sophomore Seminar (3)

Sophomore Seminar is designed to give students interested in teacher education an orientation to the program as well as an opportunity to develop knowledge and skills which prepare them for the Praxis Core Academic Skills for Educators. Instruction focuses on the content areas of the exam, reading, writing and mathematics.

Offered: F.

EDUC 225 - Exploration in Mathematics (3)

This hands-on course develops in-depth conceptual understanding of the underlying principles of elementary mathematics. Students create hands-on mathematical materials appropriate to various developmental levels of learning.

Offered: F; S; SS.

EDUC 250 - Introduction to Reading (3)

This foundational reading course provides students with an overview of the scientifically-validated processes involved in the teaching of reading, including alphabets, fluency, and comprehension. Upon the completion, students will be able to describe and demonstrate phonological and phonemic awareness, phonic and structural analysis, fluency-building strategies, vocabulary instruction, and text comprehension strategies.

Offered: F; S; SS.

EDUC 279 - Multicultural Education (3)

Designed for the "non-traditional" student with documented evidence of successful classroom experience seeking area and level certification.

Prerequisite: Consent of Chair; Admission to Teacher Education.

EDUC 310 - Professional Studies II: Special Education & Diverse Learners (3)

The second of a four course sequence, enrolled students describe the legal and ethical requirements of the Individuals with Disabilities Act, identify appropriate multicultural practices and materials, implement differentiation of instruction, and participate in professional collaboration to meet the needs of diverse learners and their families. Video-based field-experience required.

Offered: F; S; SS.

EDUC 350 - Teaching Intermediate & Content Reading (3)

This course will address the requirements of reading across a wide range of texts, including content reading. In addition candidates will be placed in a 30-hour supervised field experience at a designated school. Students will be required to complete specific assignments and tasks that relate to a variety of scientifically-validated instructional strategies for comprehension, vocabulary development, and decoding. Students will investigate ways to motivate and engage 21st century student using multiple intelligences and will utilize technology to support literacy skills and strategies.

Prerequisite: Admission into the Teacher Education Program. Offered: F; S; SS.

EDUC 360 - Teaching and Assessment (3)

In this required course, students develop knowledge of the relationship between teaching and assessment, and they learn how to plan for classroom assessment to improve student learning.

Prerequisite: Admission to the Teacher Education Program.

EDUC 410 - Professional Studies IV: Instructional Leadership and Methods (3)

Candidates will demonstrate skill in a variety of instructional methods and team collaboration. Candidates work collaboratively P-12 partners to interpret school improvement data and implement a project related to the School Improvement Plan that will positively impact student learning. Candidates should take this course during the semester prior to student teaching. 45-hours field experience and admission to the Teacher Education Program.

Prerequisite: A Criminal Background check, 45 hour field experience/internship, and admission to the Teacher Education Program. Offered: F; S.

EDUC 412 - The Middle School: Methods, Materials and Observation (3)

Integrated methods course designed to meet the developmental needs of youth in various subjects in the curriculum of middle schools. Objectives, principles, practices of instruction, classroom techniques, and procedures; selection and use of instruments for evaluating achievement and measuring growth. Study of traditional and new

techniques and innovations, including unit planning, team teaching, non-graded arrangements, and appropriate computer applications. Directed laboratory experiences in public schools. Classroom observation required.

Prerequisite: PSY 309; Admission to the Teacher Education Program. Offered: F.

EDUC 424 - Art Education Materials and Methods (3)

Materials, equipment, curricula, philosophy, and techniques for teaching art and the use of appropriate computer technology at all levels, especially grades K-12. Classroom observation required.

Prerequisite: Department Chair's written consent; Admission to Teacher Education. Offered: F.

EDUC 426 - Music Methods in the Elementary School (2)

This is a music methods course designed for elementary school level. This course covers music education theories of learning and development, methods, materials, curricula, philosophy, lesson planning, computer literacy, advocacy, and strategies and techniques for teaching music in a diverse environment. Includes the introduction of classroom instruments, recorder, and guitar. Directed laboratory experiences in the public schools are included. Classroom observations required.

Prerequisite: Admission to Teacher Education. Offered: F; S.

EDUC 427 - Music Methods in the Secondary School (2)

This is a music methods course designed for the secondary school level. This course covers music education theories of learning and development, methods, materials, curricula, philosophy, lesson planning, assessment strategies and procedures, financial management, use of technology, classroom management and techniques and strategies for teaching music. Directed laboratory experiences in the public schools are included. Classroom observations required.

Prerequisite: Admission to Teacher Education. Offered: F; S.

EDUC 430 - Secondary Instructional Methods (9-12) (3)

An integrated approach emphasizing competencies related to teaching at the secondary level regardless of content area(s). Includes modules such as computer application, school law, audiovisual aids, voice and diction, and lesson planning; culminates

with a major teaching presentation. Classroom observation required.

Prerequisite: Department Chair's written consent; Admission to Teacher Education. Offered: F; S.

EDUC 430A - Secondary Instructional Methods (9-12) Social Studies/History (3)

An integrated approach emphasizing those competencies related to teaching at the secondary level for the Social Studies content area. The course will include modules such as computer application, school law, audiovisual aids, presentation, and lesson planning; and culminate with a major teaching presentation. Classroom observation required (30 hours minimum).

Prerequisite: Written consent of History Education Coordinator; Admission to Teacher Education. Offered: F.

EDUC 433 - Observation and Supervised Teaching in Elementary Education (K-6) (12)

A complete clinical experience. Students teach children in grades K-6 in actual classroom situations. They are appropriately supervised in approved elementary schools in a public school system. In this challenging and supportive environment, the student further develops in the dynamic practice of making effective instructional decisions. The student begins to apply all appropriate teaching models with expert flexibility and develops into a competent practitioner ready to prepare a widely diverse student population for lifelong learning.

Prerequisite: Department Chair's written consent; Admission to Teacher Education. Offered: F; S.

EDUC 437 - Observation and Supervised Teaching in the Middle School (6-9) (6)

Complete clinical experience, giving students the opportunity to teach under supervision in actual classroom situations in the middle grades in a public school system.

Prerequisite: Consent of Department Chair; Admission to Teacher Education. Offered: F; S.

EDUC 440 - Methods and Materials of Teaching Physical Education and Health (3)

The purpose of this course is to provide the students with knowledge and skills in the methods and techniques necessary to effectively plan and teach physical education and health programs. This course

is behavior analytic in nature and will be based on developing behaviors that will help the students taking this course succeed in the course and in future educational endeavors.

Prerequisite: Department Chair's written consent; Admission to Teacher Education. Offered: F; S.

EDUC 443 - Observation and Supervised Teaching in Music (12)

Complete practicum experience which gives the student the opportunity to teach, under supervision, in actual classroom situations in a public school system.

Prerequisite: Department Chair's written consent; Admission to Teacher Education. Offered: F; S.

EDUC 460 - Professional Studies V: Portfolio Development (3)

Candidates utilize critical thinking and reflective practices to ensure their electronic evidences and portfolios are aligned with the SOEP conceptual framework, DPI requirements, and other appropriate standards and accrediting bodies. After completion, candidates submit electronically their Evidences of Professional Competency.

Prerequisite: Admission to Teacher Education; written consent of the program coordinator and/or advisor. Offered: F; S; M.

EDUC 464 - Observation and Supervised Teaching in Mathematics (6)

Complete clinical experiences giving secondary mathematics majors the opportunity to demonstrate, in actual classroom control, expertise in human relations and those professional, personal, and social characteristics exemplified by professional teachers. Experiences: the role of positive reinforcement and frequent review in learning with understanding and retention and transfer of learning; use of appropriate examples, illustrations, equipment, and materials; teaching a unit relative to computer literacy and computer programming in Basic Language; and remediation and questioning skills.

Prerequisite: Department Chair's written consent; Admission to Teacher Education. Offered: F; S.

EDUC 466 - Observation and Supervised Teaching in Social Studies (12)

Complete clinical experience giving students opportunity to teach in actual classroom situations, under supervision, in a public school system.

Prerequisite: Consent of the Department Chair and History Education Coordinator; Completion of all other academic requirements for graduation/licensure; Admission to Teacher Education Program. Offered: F; S.

EDUC 467 - Observation and Supervised Teaching in Language Arts/English (6)

Complete clinical experience giving secondary education majors the opportunity to teach Language Arts/English in actual classroom situations, under supervision, in a public school system.

Prerequisite: Department Chair's written consent; Admission to Teacher Education. Offered: F; S.

EDUC 469 - Observation and Supervised Teaching in Art (6)

Complete clinical experience which gives the student the opportunity to teach, under supervision, in actual classroom situations in a public school system.

Prerequisite: Department Chair's written consent; Admission to Teacher Education. Offered: F; S.

EDUC 470 - Observation and Supervised Teaching in Physical Education and Health (9)

Observation and Supervised Teaching in Physical Education and Health (K-12): Practicum experience in teaching under supervision and guidance of personnel certified in Mental Retardation of Learning Disability. Observation of teaching methods and procedure, emphasizing individualized planning. The intern is provided an opportunity to take full teaching responsibility with daily evaluation and reflective conferences.

Prerequisite: Consent of the Department Chairperson; Admission to Teacher Education. Offered: F or S.

EDUC 473 - Observation and Supervised Teaching in Special Education/General Curriculum (K-12) (12)

Experience in teaching under the supervision and guidance of personnel certified in Mental Retardation. Observation of teaching methods and procedures, emphasizing individualized planning. The student teacher has an opportunity to take full teaching responsibility with daily evaluation and conferences.

Prerequisite: Consent of the Department Chair; Admission to Teacher Education. Offered: F; S.

EDUC 474 - Observation and Supervised Teaching in Health and Physical Education (6)

Complete clinical experience giving students the opportunity to teach in actual classroom situations, under supervision, in a public school system.

Prerequisite: Consent of the Department Chair; Admission to Teacher Education. Offered: F; S.

EDUC 476 - Observation and Supervised Teaching in Biology (6)

Complete clinical experience giving students the opportunity to teach in actual classroom situations, under supervision, in a public school system.

Prerequisite: Consent of Department Chair; Admission to Teacher Education. Offered: F; S.

EDUC 478 - Seminar in Contemporary Educational Issues (P/F)

Provides student teachers with an update on current issues, trends, and research in teaching strategies and learning styles. As a part of the orientation, this seminar assists in refining reflective decision-making in the transition from student to professional educator. In addition, this course focuses on identified areas needing reinforcement prior to student teaching, such as planning, classroom management, multicultural education, and computer-assisted instruction.

Prerequisite: Senior status; Admission to Teacher Education. Offered: F; S.

EDUC 490 - Internship: Teacher Preparation (3)

Designed for the "non-traditional" student with documented evidence of successful classroom experience seeking area and level certification.

Prerequisite: Consent of Chair; Admission to Teacher Education. Offered: F; S; SS.

EDUC 491 - Independent Study (1)

Individual study or research under direction of a faculty member. Study plan must be approved by the department chair and dean.

Prerequisite: Consent of instructor.

EDUC 492 - Independent Study (2)

Individual study or research under direction of a faculty member. Study plan must be approved by the department chair and dean.

Prerequisite: Consent of instructor.

EDUC 493 - Independent Study (3)

Individual study or research under direction of a faculty member. Study plan must be approved by the department chair and dean.

Prerequisite: Consent of instructor.

EDUC 499 - Problems in Education (1-3)

Develops awareness of and reflection on current problems, issues, and trends in education, especially American education. Students conduct an in-depth study of a selected topic and report the results of the study in writing and orally.

Prerequisite: EDUC 201; Admission to Teacher Education. Offered: F; S; SS.

ELEM - ELEMENTARY EDUCATION COURSE DESCRIPTIONS

ELEM 300 - Reading & Language Arts (3)

Candidates learn to assess and teach beginning reading using research-validated strategies. Emphasizes phonemic awareness, Phonic and structural analysis, vocabulary development, fluency, and comprehension. 30-hours of field experience and admission to The Teacher Education Program.

Prerequisite: Admission to the Teacher Education Program not required. Offered: F, S, SS.

ELEM 390 - Social Studies Methods in the Inclusive Classroom (3)

Addresses the following concepts in Social Studies: 1) culture and cultural diversity; 2) time, continuity, and change; 3) civic ideals and practices; 4) economic, scientific, and technological development; and 4) individuals, groups, and institutions. Students plan instruction that assumes a global perspective on content and calls for distinct and developmentally appropriate pedagogies for 21st century learning. Technology use will be required.

Crosslisted as: SPED 390. Offered: S; M.

ELEM 395 - Science Methods in the Inclusive Classroom (3)

Addresses major concepts in the life, physical, and earth sciences: designing and demonstrating hands-on lesson plans and appropriate strategies to assist diverse learners. Candidates will demonstrate knowledge of inquiry-based science and effective use of science process skills. Technology use will be required.

Offered: S; M.

ELEM 430 - Mathematics Methods in the Inclusive Classroom (3)

Mathematical assessment and instruction of diverse students, including numbers and operations, algebra, geometry, measurement, data analysis, and probability. Instructional approaches will include inquiry and direct instruction and will emphasize systematic presentation that moves from concrete to abstract and utilizes multi-sensory activities.

Offered: F; M.

EM - EMERGENCY MANAGEMENT

EM 200 - Introduction to Emergency Management (3)

This course introduces students to the field of Emergency Management with attention to the principles and practices of EM at all levels. Students will be introduced to the ways during a disaster that government, businesses, industries, and non-governmental organizations plan, prepare, mitigate, respond, and recover.

EM 202 - Disaster and Movies: Facts and Fiction of Survival (3)

This course will utilize contemporary movies and films to examine common myths on disasters, survival, and social behavior in the context of emergencies. This course will help students improve their personal and family emergency and disaster survival skills by dispelling myths and teaching effective, evidence-based emergency preparedness skills.

Offered: F.

EM 210 - Response and Recovery (3)

The purpose of this course is to uncover the principles that promote effective disaster response and recovery operations for disasters.

EM 224 - Emergency Service Law and Ethics (3)

This course prepares the student to deal with the legal issues in the management of critical incidents. Emphasis is placed upon the tangible laws that effect the management of disasters as well as the not so clear-cut ethical issues associated with emergencies.

EM 230 - Hazard Mitigation and Preparedness (3)

This course introduces principles and perspectives utilized in preparing for and mitigating against

hazards associated with disasters and emergencies. Training will be given in how to assess different types of hazards, from a variety of viewpoints. Prominent mitigation strategies will be covered, as will central approaches to preparedness.

Offered: F.

ENGL 240 - Disaster Command and Control Principles of ICS & NIMS (3)

This course will instruct the student on command and control functions used during disasters. The student will participate in mock exercises in various functions utilizing proper Incident Command System (ICS) and National Incident Management (NIMS) techniques to resolve the incident.

Offered: S.

EM 298 - Social Dimensions of Disasters (3)

This course focuses on the psychological, sociological, and physiological human responses and behaviors to natural and human made disasters. This course provides an extensive foundation for understanding how people act in disasters.

EM 300 - Emergency and Disaster Preparedness (3)

This course provides insight into preparations needed for emergency and catastrophic situations. Students learn about various disaster situations, emergency planning, mass displacement, and terminology. It is designed to stimulate thinking about how to become better prepared as individuals, professionals, organizations, and communities in the event of a major event.

EM Weapons of Mass Destruction - 315 (3)

This course examines the potential threat of chemical, biological, radiological, nuclear and explosive weapons (CBRNE) collectively known as weapons of mass destruction (WMD). This course studies the technical aspects of WMD use as well as case study of past events to better prevent future occurrences.

ENGL 320 - Public Education in Preparedness and Safety Topics (3)

Many organizations have realized the benefit of providing public education to reduce the number and magnitude of injuries. This program will provide the student with the knowledge and skills to work their way through a safety problem to create an educational solution.

Offered: F.

EM 382 - Emergency Planning (3)

This course offers students an overview and analysis of methods, procedures, and strategies of emergency planning. In addition, the course provides an understanding of how to develop policies and plans to prepare for natural and manmade disasters.

Prerequisite: EM 200.

EM 390 - Practical Strategies in Rescue Operations (3)

Students in this course will conduct practical explorations of different rescue operations to determine and practice appropriate strategies and tactics preparing the student to plan for real world emergencies for their organization/community.

Offered: S.

EM 460 - EM Internship I (3)

The EM internship I is designed to combine theoretical knowledge with practical work by allowing students to participate with community organizations in performing emergency management tasks and assignments.

Offered: SS.

EM 470 - EM Internship II (3)

The EM internship II is designed to combine theoretical knowledge with practical work by allowing students to participate with community organizations in performing emergency management tasks and assignments.

Offered: SS.

EM 480 - Hazard Analysis (3)

This course will comprehensively study hazards analysis and risk assessment techniques, a set of essential skills required to develop an effective EM system. This course will look at hazards and risks both external and internal along with familiarization of technologies to help the process.

Prerequisite: EM 200.

EM 490 - Global Terrorism (3)

This course examines global terrorism and its implications for organizational, community and national safety. Topics covered will include: definition and conceptualization of terrorism; terrorist groups and tactics; and the social factors that contribute to the development of terrorist groups to better examine ways to combat the growing threat.

Prerequisite: EM 315.

EM 495 - EM Leadership & Policy Management (3)

This course examines the ideals of leadership and management as it applies to the field of EM in terms of daily tasks as well as large scale incidents. The course will analyze incident leadership as well as test the student in leadership roles during mock disasters.

Prerequisite: EM 224, EM 382.

EM 497 - Seminar in Emergency Management (3)

The Emergency Management Seminar course is designed to combine theoretical knowledge with practical work by allowing students to conduct a research project with the help of EM faculty on a topic that would beneficially further the academic knowledge base while providing real world application of acquired knowledge.

Prerequisite: EM 480, EM 490, EM 495.

ENGL - ENGLISH COURSE DESCRIPTIONS

ENGL 102 - Composition I (3)

Emphasizes and develops basic and intermediate writing skills, mechanics, grammar, revision in the writing process, and connects writing and critical thinking. Topics may include narration, analysis, argument, and presentations. Students write a minimum of fifteen pages. One essay requires research and documentation. Utilization of the writing lab and assessments are included.

Offered: F; S; SS.

ENGL 103 - Composition II (3)

Emphasizes advanced academic writing assignments which may include analysis, argumentation, and interpreting literature. Special emphasis on research methods, documentation, and the interrelationships among writing, reading, and critical thinking. A minimum of fifteen pages of written work is required. Utilization of the writing lab and assessments are included.

Offered: F; S; SS.

ENGL 104H - English Composition and Grammar Honors I (3)

Instruction in oral and written composition, correlated with a study of selected literary models. Special

emphasis on experiences, assignments, and enrichment activities designed, by virtue of quality, depth, and scope, to challenge the academically talented student; anticipates a high level of proficiency and achievement in all areas of the language arts.

Prerequisite: Admission to the University Honors Program or by written consent from the Honors Program Director. Offered: F.

ENGL 105H - English Composition and Vocabulary Honors II (3)

A continuation of GE 104 in terms of correlation with literary models. Highlighting of a formal introduction to the literary genres, the basic critical approaches, creative experiences, and research skills - including the major systems of documentation - culminating in a major paper.

Prerequisite: GE 104H, or GE 102 by written consent of the Honors Program Director. Offered: S.

ENGL 200 - Introduction to English Studies (3)

This course serves as an introduction to the English major. Topics may include work in literary studies, creative writing, and composition studies.

Prerequisite: ENGL 103. Offered: F, S.

ENGL 201 - World Literature I (3)

Selected masterpieces of world literature read, discussed, and critiqued for their comments on life and the meaning of existence. Emphasizes genres and literary tempers (Classicism, Romanticism, Realism). Students are required to maintain satisfactory standards of written and spoken expression.

Prerequisite: ENGL 103 or ENGL 105H. Offered: F; S; SS.

ENGL 201H - World Literature I Honors (3)

ENGL 202 - World Literature II (3)

Selected masterpieces of world literature read, discussed, and critiqued for their comments on life and the meaning of existence. Emphasizes genres and literary tempers (Classicism, Romanticism, Realism). Students are required to maintain satisfactory standards of written and spoken expression.

Prerequisite: ENGL 103 or ENGL 105H. Offered: F; S; SS.

ENGL 203H - World Literature Honors Seminar I (3)

A study of selected masterpieces of world literature with emphasis on the genres, tempers, and major literary movements. Opportunities for enrichment through special literary studies, in-depth research, independent study, creative writing, analytical thinking, and oral reporting.

Prerequisite: ENGL 104H, ENGL 105H, or written consent from the Honors Program Director. Offered: F; S.

ENGL 204H - World Literature Honors Seminar II (3)

A study of selected masterpieces of world literature with emphasis on the genres, tempers, and major literary movements. Opportunities for enrichment through special literary studies, in-depth research, independent study, creative writing, analytical thinking, and oral reporting.

Prerequisite: ENGL 104H, ENGL 105H, or written consent from the Honors Program Director. Offered: F; S.

ENGL 301 - British Literature I (3)

This survey course covers works from the Anglo-Saxon period to the beginning of the Romantic period.

Prerequisite: ENGL 103. Offered: F.

ENGL 302 - British Literature II (3)

This survey course covers works from British Romanticism to the present.

Prerequisite: ENGL 103. Offered: S.

ENGL 303 - Literary Criticism (3)

An introduction to the schools of literary criticism important to English studies.

Prerequisite: ENGL 103. Offered: S.

ENGL 305 - American Literature I (3)

This survey course emphasizes the continuity of historical and cultural elements in the works of major American writers from the Colonial Period through 1865.

Prerequisite: ENGL 103. Offered: F.

ENGL 306 - American Literature II (3)

This course covers major American writers from 1865 to the present.

Prerequisite: ENGL 103. Offered: S.

ENGL 307 - Southern Literature (3)

A survey of major works of literature from the American South with emphasis on historical and cultural impact from the antebellum period to contemporary authors. Texts will be by authors of various racial, economic, and cultural backgrounds.

Offered: F; S.

ENGL 308 - Multi-Ethnic American Literature (3)

A study of the multi-ethnic make-up of American literature. Topics could include immigrant literature, Jewish-American literature, African American literature, Asian American literature, and Chicano/a literature.

Prerequisite: ENGL 103. Offered: F; S.

ENGL 309 - Caribbean Literature (3)

This course aims to help students understand and appreciate the complexity of Caribbean Literature. The focus will be to introduce students to 20th Century Caribbean Literature highlighting the region's vast diversity yet universality to national and ethnic writings of the French, Spanish, and English islands together and/or separately.

Prerequisite: ENGL 103. Offered: F; S.

ENGL 310 - Harlem Renaissance (3)

This course will analyze the major aspects of the Harlem Renaissance such as The New Negro Movement; political views of W.E.B. Dubois; and issues such as patronage, passing, gender, sexuality, and the influence of the West Indies.

Prerequisite: ENGL 103. Offered: F; S.

ENGL 311 - Introduction to Women's Literature (3)

This course will ask students to understand the development of women's literature in the 20th century as the roles of women were/are undergoing vast changes within society. Topics could include alienation, the feminist movement, issues of race and class, sexuality and marriage, and motherhood.

Prerequisite: ENGL 103. Offered: F; S.

ENGL 316 - Introduction to Rhetoric and Composition (3)

The history of classical rhetoric and its influence on the theories and practice of literary analysis and composition studies.

Prerequisite: ENGL 103. Offered: F.

ENGL 317 - Advanced Composition (3)

Principles and skills of composition are developed; understandings and competencies are refined. Extensive practice in writing of various types of expository compositions. Class discussion on analyses of student writings and literary models.

Prerequisite: ENGL 103. Offered: F; S; SS.

ENGL 319 - Children's Literature (3)

Survey of world literature for children.

Prerequisite: ENGL 103. Offered: F; S; SS.

ENGL 322 - Advanced English Grammar (3)

Study of modern English grammar. Analysis of current English usage and sentence patterns.

Prerequisite: ENGL 103. Offered: S.

ENGL 325 - Digital Literacy Studies (3)

Since 2000, electronic literature has altered how we interpret meaning. This course studies iconic interactive works ranging from hyperlink narratives to digital poetry. There will also be an opportunity to create a digital literary work.

Prerequisite: ENGL 103. Offered: F; S.

ENGL 327 - History of the English Language (3)

The development of English sounds, pronunciations, spellings, etymology, syntax, and usage, from Old English to the present.

Prerequisite: ENGL 103. Offered: F.

ENGL 336 - Young Adult Literature (3)

Reading interests of young adults.

Prerequisite: ENG: 103. Offered: S.

ENGL 350 - The Graphic Novel (3)

Genre-based study of the graphic novel from its origins through present.

Prerequisite: ENGL 103. Offered: F; S.

ENGL 399 - Introduction to Creative Writing (3)

Laboratory course: short story, poetry, the formal essay, and/or drama writing. Student writings are read and criticized informally by members of the class.

Prerequisite: ENGL 103. Offered: S.

ENGL 400 - Asian American Writers (3)

A study of Asian American Fiction. How this nation grew out of many nations and cultures. How Asian American experience reflects inter-generational conflicts, bilingualism, and the cultural legacy from mother countries.

Prerequisite: ENGL 103 and Junior standing.

ENGL 401 - Technical Writing (3)

Fundamentals of English usage as essential criteria and background of modern technical writing. Exercises in the development of major types of technical reports are assigned. For practical application of the rhetoric of technical writing, students prepare several formal reports and complete reports related to their major. Oral presentations of written reports and technical materials are also assigned.

Prerequisite: ENGL 103 and Junior Standing.

Offered: S.

ENGL 404 - Film and Literature (3)

This course is a comparative study and exploration of the complex interplay of films and literature upon which they are based. The course explores how character development, plot, narrative, symbols, and language are translated from literary texts to film while also considering the limitations of film adaptations.

Prerequisite: ENGL 103 and Junior standing.

Offered: F; S.

ENGL 405 - Gender and Literature (3)

The study of gender and literature including feminism and masculinity studies.

Prerequisite: ENGL 103 and Junior standing.

Offered: F; S.

ENGL 406 - Intermediate Creative Writing: Poetry (3)

It is expected that the students already have a writing habit. Critical and Creative work will be provided depending on the direction of the course. At the discretion of the instructor, a portfolio/chapbook containing revised work will be submitted at the end of the term.

Prerequisite: ENGL 103 and Junior standing.

Offered: F; S.

ENGL 407 - Nature Writing (3)

A workshop focused on the branches of composition which fall under the canopy of nature writing. At the discretion of the instructor, a portfolio/chapbook containing revised work will be submitted at the end of the term.

Prerequisite: ENGL 103 and Junior standing.
Offered: F; S.

ENGL 411 - Postcolonial Literature (3)

Studies the impact of the aesthetic, colonial, psychological, and discursive conditions of imperialism and colonialism in a postcolonial theoretical and literary perspective.

Prerequisite: ENGL 103 and Junior Standing.
Offered: S (alternating years).

ENGL 425 - Shakespeare (3)

Selected Shakespearean plays and poetry in relation to the literary history and culture of the period.

Prerequisite: ENGL 103 and Junior Standing.
Offered: F.

ENGL 427 - English Literature of the Renaissance

Poetry, prose, and drama (exclusive of Shakespeare) of representative authors studied against the background of historical and cultural forces shaping Renaissance thought.

Prerequisite: ENGL 103 and Junior Standing.

ENGL 428 - English Literature of the 18th Century (3)

Poetry and prose (exclusive of the novel) of the eighteenth century. Emphasis on the triumph and decline of Neoclassicism and approach of Romanticism, with review of historical and cultural forces affecting both.

Prerequisite: ENGL 103 and Junior Standing.

ENGL 429 - English Literature of the 19th Century (3)

Major writings of the nineteenth century (exclusive of novel). Triumph of Romanticism and Victorian Age studied against historical and social influences of the times.

Prerequisite: ENGL 103 and Junior Standing.

ENGL 430 - The British Novel (3)

Development of the novel as a genre studied, in form and style, from seventeenth century to the present.

Prerequisite: ENGL 103 and Junior Standing.
Offered: F.

ENGL 440 - Bible As Literature (3)

Introduction to the Bible as literature. Students read the major books of the Hebrew Bible (Old Testament) and the four Gospels, Acts, major Epistles, and Revelation in the New Testament. Rather than focusing on doctrine, the course accents aesthetic values in scripture.

Prerequisite: ENGL 103 and Junior Standing.
Offered: S.

ENGL 458 - African American Literature (3)

A survey course of Black American writers. Emphasizes genres, literary tempers, and major movements influenced by historical, social, literary, and cultural factors.

Prerequisite: ENGL 103 and Junior Standing.
Offered: F.

ENGL 465 - Contemporary American Literature (3)

Historical, social, literary, and cultural study of selected works by contemporary American writers.

Prerequisite: ENGL 103 and junior standing. Offered: S.

ENGL 466 - The American Novel (3)

The development of the American novel from the nineteenth century to the present.

Prerequisite: ENGL 103 and Junior Standing.
Offered: S.

ENGL 467 - Contemporary British Literature (3)

The literature of Britain, including Anglo-Irish writing, from the close of the Victorian age to the present.

Prerequisite: ENGL 103 and Junior Standing.
Offered: Alternating years S.

ENGL 479 - Special Studies & Research in Language and Literature (1-3)

Independent or small group study in selected areas of language or literature, culminating in an approved project or research paper. May be repeated up to six semester hours.

Prerequisite: ENGL 103 and Junior Standing.
Offered: F; S; SS.

ENGL 495 - Internship--English

An opportunity for students to work one-on-one with designated faculty to conduct research in the field of English Studies.

Prerequisite: Completion of five upper level courses.
Offered: F, S, SS.

ENGL 498 - Research Methods in English--Capstone (3)

Examines practical and theoretical issues in finding and using sources for scholarly research in English. This course is compulsory for English majors. An academic paper of publishable quality and length (15 + pages) is required for assessment.

Prerequisite: Graduating Senior. Offered: S.

ENGT - ENGINEERING TECHNOLOGY COURSE DESCRIPTIONS

See Course Listings under Technology.

ENGT 101 - Introduction to Engineering Technology (3)

Topics include problem solving techniques, basic algebra and trigonometry functions, number notations, charts and graphs, report writing, concepts of energy, work and power, basic electricity, vectors and scalars, unit conversion, measurement and gauging, engineering materials, and computer networking. Codes of ethics and diversity in field of Engineering Technology will also be discussed.

Offered: F.

ENGT 101L - Introduction to Engineering Technology Lab (1)

This course is composed of laboratory experiments to reinforce the concepts covered in ENGT 100 such as vectors & scalar, physical measurement, data representation, basic electricity, energy & power, and material science. Students get a chance to work with electronics lab equipment such as power supplies, multi-meters, signal generators, resistors & circuits boards, and mechanical lab equipment and measurement equipment such material testing machines, calipers, and indicators.

Offered: S.

ENGT 105 - Computer-Aided Drafting (CAD) I (3)

(Formally TECH 105) Introduction to principles of drawing, including sketching, graphing, orthographic

projections, section views, and pictorial views. Also introduces principles of Computer Aided Drafting (CAD) and using CAD to produce professional quality drawings.

Offered: S.

ENGT 200 - Introduction to Renewable Energy Technologies (3)

This is an interdisciplinary course suitable for both science and non-science majors who would like to learn about energy, renewable energy resources, and potential solutions to energy crisis. Topics include, in part, fossil fuel and nuclear energy, combined heat and power and renewable energy resources such as wind, hydro, tidal, photovoltaic solar, solar thermal, geothermal, fuel cell, and bioenergy.

Prerequisite: None. Offered: F.

ENGT 205 - Circuit Analysis with Lab (3)

Introduces fundamentals of direct and alternating current circuits. Topics include principles of DC and AC electrical systems, passive electrical components, circuit fundamentals, circuit theorems and conversions, and complex analysis techniques, magnetism, transformers, RC, RL, LC, and RLC series/parallel circuits, and passive filter design techniques. Computer-based circuit modeling and circuit drawing are covered.

Prerequisite: ENGT 100 or ENGT 100L. Offered: F.

ENGT 205L - Circuit Analysis Lab (1)

This lab covers laboratory experiences in DC resistor circuitry; Ohm's law; analyzing AC signals, including frequency, period, amplitude, and rms value; inductors, capacitors and DC transients; measuring phase shift in an AC circuit due to an inductor or capacitor; and basics of laboratory report writing.

Corequisite: ENGT 205. Offered: F.

ENGT 210 - Materials and Processes (3)

This course provides an introduction of basic engineering materials (metals, polymers, ceramics, and composites) and their manufacturing processes. Topics include classifications, structure, properties, and treatment of metals, inspection and testing techniques for engineering materials. Manufacturing topics include casting, cold and hot metal forming, machining and joining processes. Related laboratory activities include experiments with technical reports.

Offered: S.

ENGT 210L - Material and Process Lab (1)

This course is composed of laboratory experiments to reinforce the concepts covered in ENGT 210 such as crystal structures, physical properties, mechanical properties, material fabrications (ceramics & composites) and basics of laboratory writing.

Corequisite: ENGT 210. Offered: S.

ENGT 215 - PC Hardware & Software Support Technology (3)

formerly PC Support Technology Covers basic personal computer system support including installation, configuration, and preventive maintenance, and troubleshooting and upgrading of hardware and software components. Topics include safety practices, configuration and documentation, use of diagnostic and recovery software, peripheral installation and testing, operating system and application software installation and support. Students taking this course are expected to know how to operate a PC computer.

Prerequisite: ENGT 100 or CSC 115. Offered: S.

ENGT 215L - PC Hardware & Software and Operating System Lab (1)

Laboratory experiments reinforce the concepts covered in ENGT 215 and develop hands-on skills in the troubleshooting of hardware and operating system installations.

Prerequisite: ENGL 215. Offered: S.

ENGT 220 - Instrumentation and Measurement System (3)

Covers the basics of graphical programming and adopts LabVIEW as design software to introduce basics of programming for data acquisition. Students implement data acquisition/measurement systems using DAQ devices and Virtual instruments.

Prerequisite: ENGT 100. Offered: F.

ENGT 225 - Introduction to Bioenergy (3)

This course prepares students for careers in green technology through investigating current techniques used in biofuel production and addressing energy business information. Topics include, in part, overall survey of bioenergy techniques, feedstock sustainability, biodiesel, methane, plant-based oils and pollution considerations.

Prerequisite: None. Offered: S.

ENGT 230 - Material Science (3)

Emphasizes the relationship between structure and properties of industrial materials and their control through composition, mechanical processing, and thermal treatment.

Offered: F.

ENGT 235 - Analog and Digital Circuits I (3)

This course covers basics of analog and digital devices and circuits. Topics include diodes, rectifiers, BJT, FET, thyristors (SCR, TRIAC, DIAC), digital gates, Boolean algebra and digital logic circuits such as counters, oscillators, and memory systems.

Prerequisite: ENGT 205

Prerequisite: ENGT 205. Offered: S.

ENGT 235L - Analog & Digital Circuits I Lab (1)

Laboratory experiments reinforce the concepts covered in ENGT 235 and develop skills in the experimental set-up of basic analog and digital systems; and basics of laboratory report writing.

Corequisite: ENGT 235. Offered: S.

ENGT 240 - Applied Statics (3)

Scalars and vectors, parallelogram law, equilibrium, trusses, friction theory, center of gravity and moment of inertia, and Newton's law of motion applied to linear and circular motion.

Prerequisite: PHYS 191. Offered: S.

ENGT 245 - Introduction to LAN & WAN Technology (3)

An overview of network communications terminology, protocols, and technologies. Students will construct and assess simple LANs and WANs networks and associated networking devices. Topics include TCP/IP and OSI models, TCP/IP fundamentals, network topologies, network classification, networking protocols, propagation media, data encoding and transmission, networking devices, routing techniques, subnetting, ATM and VoIP, wireless LAN (WLAN), virtual LAN (VLAN), and basic network security. Theory covered will be complemented by labs using network simulation tools.

ENGT 250 - Introduction to Wind and Hydro Power Systems (3)

This course introduces concepts, designs, tools, techniques, and material requirements for systems that convert wind and water energy into electricity

and other usable energy. Topics include, in part, wind science, wind power, hydropower, site assessment, estimating output, economics, wind turbine technology, and systems types and installation.

Prerequisite: None. Offered: S.

ENGT 255L - Basic Networking Lab (2)

Laboratory experiments reinforce the concepts covered in ENGT 225.

Prerequisite: ENGT 215. Offered: F.

ENGT 300 - Solar Photovoltaic Systems (3)

Photovoltaic system is a method of generating electricity directly from sunlight using semiconductor devices called solar cells. The goal of this course is that students understand the operation of photovoltaic devices, systems and applications. Topics include, in part, introduction to photovoltaic systems, semiconductor basics, solar radiation, site surveys and preplanning, system components and configurations, system sizing, mechanical integration, utility interconnection, economic analysis, and PV system safety.

Prerequisite: None. Offered: S.

ENGT 305 - Introduction to Autonomous Mobile Robotics (3)

This course introduces students to the field of mobile robotics. Topics include robotic sensors, collision detection and avoidance, locomotion, mobile robot kinematics, mobile robot architecture, manipulation, basics of machine learning, path planning, and localization. Course will include lab experiments using educational mobile robotic platform.

Prerequisite: ENGT 220.

ENGT 311 - Applied Mechanics (3)

This course is divided into two parts. The first part includes vector mechanics of forces and moments, free-body diagrams, equilibrium of particles and rigid bodies, forces in members and structures, distributed forces, friction, centroids and center of gravity and moment of inertia. The second part covers topics on rectilinear motion, angular motion, plane motion, kinetics, work, energy, power, impulse and momentum.

Prerequisite: PHYS 191 or PHYS 181 or MATH 165.
Offered: F.

ENGT 311L - Applied Mechanics Lab (1)

This course is composed of laboratory experiments to reinforce the concepts covered in ENGT 310 through hands-on activities and application of simulation software.

Corequisite: ENGT 310. Offered: S.

ENGT 315 - Network Operating Systems & Server Technology (3)

(formerly Operating Systems for Technology) Covers operating system concepts and procedures for installing and supporting computer systems. Topics include modern Windows OS, disk storage, and UNIX user commands, file system and management, Network Operating Systems, basic scripting, system support and security issues. (2hrs lecture, 2hrs lab)

Prerequisite: ENGT 100 or CSC 115. Offered: F.

ENGT 320 - Applied Fluid Mechanics (3)

Principles of static and dynamic behavior of incompressible fluids, buoyancy and stability of body fluids, momentum and energy consideration in fluid flow, and as introduction to compressible gas dynamics.

Prerequisite: ENGT 310. Offered: S.

ENGT 335 - Analog and Digital Circuits II (3)

This course covers advanced topics in analog and digital circuits. Topics include operational amplifiers, operational amplifier-based circuits such as oscillators, instrumentation amplifiers, A/D and D/A converters, PLDs, FPGAs, finite state machines, and design of combinational logic and sequential logic designs using digital ICs. Prerequisite: ENGT 235

Prerequisite: ENGT 235. Offered: F.

ENGT 335L - Analog & Digital Circuits II Lab (1)

Laboratory experiments reinforce the concepts covered in ENGT 335 and develop skills in the experimental set-up of advanced analog and digital systems; and basics of laboratory report writing.

Corequisite: ENGT 335. Offered: F.

ENGT 340 - Analog & Digital Communications (3)

(formerly Network Communication I) Covers topics from modern communication system. Topics include antenna theory, source coding, signals and systems, carriers and symbol synchronization algorithms, channel capacity and coding, cyclic redundancy

checks, adaptive equalization, multichannel and multicarrier systems, and modulation schemes: ASK, PSK, FSK, and GMSK. Optical fiber communications and dense wavelength division multiplexing (DWDM). (2hrs lecture, 2hrs lab)

Prerequisite: ENGT 235. Offered: S.

ENGT 345 - Routing and Switching Protocols (3)

(formerly Network Communications II) Covers TCP/IP Local Area Network (LAN) and basic Wide Area Network (WAN) connections using CISCO Discovery and Exploration as a guide and using Cisco routers and switches in laboratory. Topics include basic host and router configuration, static routing, TCP/IP configuration, cabling, basic LAN switching, wireless LAN, Distance Vector Protocol, RIPv1, RIPv2, CISCO IOS, WAN connections, and IP troubleshooting. Labs cover using Windows XP laptops/tablet-PCs as hosts and CISCO Catalyst 2950 switches and 2600 routers.

Prerequisite: ENGT 245. Offered: S.

ENGT 345L - Routing and Switching Protocols Lab (2)

Laboratory experiments reinforce the concepts covered in ENGT 345 and develop skills in the experimental set-up the router and switches for networking a system. We will implement advanced routing protocols and switching configuration using Windows XP laptops/tablet-PCs as hosts and CISCO Catalyst 2950 switches and 2600 routers; and basics of laboratory report writing.

Corequisite: ENGT 345. Offered: S.

ENGT 350 - Programmable Logic Controllers (PLC) (3)

Covers control of systems and industrial processes. Topics include I/O modules, binary concepts, programming languages, addressing, control relays, latching relays, sensors, programming timers, counters and troubleshooting, control instructions, and data compare instructions. (2 hrs lecture, 2 hrs lab)

Corequisite: ENGT 335. Offered: S.

ENGT 360L - Control System Lab (1)

Laboratory experiments reinforce the concepts covered in ENGT 260 and develop skills in the open and closed loop control systems; and basics of laboratory report writing.

Corequisite: ENGT 360. Offered: S.

ENGT 361 - Control Systems (3)

Covers control systems terminology, feedback control systems, PID, PD, PI and relay controllers, lag-lead compensation, data-acquisition systems, stability, thermal, mechanical and optical sensors.

Prerequisite: ENGT 235 or MATH 265. Offered: S.

ENGT 365 - Computer Design and Implementation (3)

Studies the internal design of computer systems including data representation, registers, addressing techniques, processor organization. Topics include ALU data path design, arithmetic circuits, memory hierarchy, input/output device interfacing, and programming models. Topics also include multiplication and division algorithms, hardware description language (HDL) modeling, and RISC and CISC architectures. (3 hrs lecture, 2 hrs lab)

Prerequisite: ENGT 335. Offered: S.

ENGT 370 - Computer Aided Design and Manufacturing (3)

This course introduces students to the use of computers in several extended areas of product design and manufacturing. These areas include CAD, Computer Numerical Control (CNC) operations and programming, Computer-Aided Manufacturing (CAM) software, and the use of simulation software for virtual prototyping for Design/Manufacturing/Validation.

Prerequisite: ENGT 105. Offered: F.

ENGT 386 - Strength of Materials (3)

Students will have the opportunity to learn how to apply the fundamentals of strength of materials as relate to concepts of stress, strain, shear, bending, torsion, and deflection of deformable bodies such as bars, shafts, beams, columns, and pressure vessels. Students are required to demonstrate proficiency in calculating stresses and strains in bars, beams, and shafts when subjected to axial forces, torsional/bending moments, thermally induced forces and combinations of these loadings; analyzing external and internal forces and moments; calculating deflections of beams; calculating angles of twist of shafts; and design of bars, shafts, and beams.

Prerequisite: ENGT 310 Applied Mechanics.
Offered: S.

ENGT 400 - Advanced Mobile Robotics: UGV (3)

Introduces the advanced mobile robotics system. Students learn fundamental of sensor fusion and estimation techniques, occupancy grid mapping, optimal control and motion planning. Course includes lab experiments leading to case studies in autonomous robotic vehicle system.

Prerequisite: CSC 300.

ENGT 405 - Automation and Robotics (4)

Covers theory and practice of systems used in an automated manufacturing environment to perform industrial functions. Topics include vision systems, application of control programming, CNC, and robotics programming. (3 hrs lecture, 2 hrs lab)

Prerequisite: ENGT 350 and CSC 115. Offered: F.

ENGT 410 - Mechatronics System Design

Introduces the field of mechatronics, synergy between electronics and mechanical systems. Topics include modeling and simulation of real-time embedded system, prototyping and programming of mechatronics systems, design of computer control system with sensor and actuator interfaces, and hardware-in-loop testing. Includes lab experiments using graphical programming, reconfigurable hardware and real-time hardware targets.

Prerequisite: ENGT 360.

ENGT 415 - Machine Design (3)

Covers topics related to stress analysis, the strength of mechanical elements, design of machine elements such as gears, belt drives, chain drives, screws, fasteners, connectors, and springs, welded, brazed, and bonded joints, bearings, shafts, cams and flexible mechanical elements, and statistical considerations in design.

Prerequisite: ENGT 385. Offered: F.

ENGT 420 - Thermal Systems (3)

This course provides a study of the fundamental laws of thermodynamics and heat transfer. Topics include thermodynamic system properties, properties of pure substances, ideal gases, open and closed systems, 1st and 2nd law of thermodynamics and their application to various ideal and real life thermal systems, and analysis of heat exchangers. Heat Transfer topics include analysis of 1-D heat transfer in solids and

liquids by various heat transfer mechanisms (conduction, convection, and radiation).

Prerequisite: PHYS 191 Univ. Physics I. Offered: S.

ENGT 425 - Thermal-Fluid Lab (1)

This course is composed of a number of laboratory experiments that are designed to reinforce the principles of thermodynamics, heat transfer, and fluid power (concepts covered in ENGT 420 and ENGT 320) and develop skills in experimental set-up, data collection and analysis, interpretation of results, and writing reports. (2 hrs lab).

Corequisite: ENGT 420 Thermal Systems. Offered: S.

ENGT 430 - Heating, Ventilation and Air Conditioning (HVAC) (3)

Principles of heating, ventilation, and air conditioning and their applications to environmental comfort. Determination of building heating and cooling loads, heat pumps, humidity control, cooling ventilation, integrated systems, controls and instrumentation.

Prerequisite: ENGT 420. Offered: F.

ENGT 440 - Mobile and Wireless Network (3)

Covers the state of the art in mobile and wireless network systems that are currently being deployed. Topics include broadband wireless IEEE 802.16, wireless IEEE 802.11 wireless LAN, mobile ad hoc network, mobile IP, Bluetooth, and cellular systems fundamentals. Topics also include medium access control (MAC), quality of service (QoS), scheduling, location discovery, and routing and topology control in ad hoc networks.

Prerequisite: ENGT 340. Offered: S.

ENGT 445 - Enterprise Ethernet Switching Technology (3)

formerly Network Communications III Covers advanced Routing and Switching for LAN-WAN networking using CISCO Discovery and Exploration as guide and using CISCO routers and switches in laboratory. Topics include Variable Length subnetting (VLSM), Classless routing, Link-state routing, OSPF, EIGRP, VLAN's, VLAN Trunking. We will implement advanced routing protocols and switching configuration using Windows XP laptops/tablet-PCs as hosts and CISCO Catalyst 2950 switches and 2600 routers. (3 hrs lecture, 2 hrs lab)

Prerequisite: ENGT 345. Offered: F.

ENGT 455 - Capstone Senior Project I (2)

This is first part of senior project. Covers topics in engineering technology to prepare students for the capstone senior project. The student performs the initial research needed for the senior project course and prepares the written proposal for senior project as well as works on project.

Prerequisite: Senior standing and permission of academic advisor. Offered: F.

ENGT 460 - Engineering Software Applications (3)

Covers software applications and theory in engineering analysis and Reverse Engineering and develops the fundamental concepts. Topics include cloud points and computer model, stress-strain relations, von Misses stress, mesh modeling, stress analysis for frames, beams, holes, pressure vessels, bolted joints, and contact analysis.

Prerequisite: ENGT 415. or ENGT 385. Offered: S.

ENGT 466 - Microprocessor and Microcontroller (3)

Covers microprocessor /microcontroller hardware and software, and the theoretical and practical aspects of interface design. Architectural features of microcontrollers such as PIC or 8051 are examined. Peripheral devices for interfacing design are also covered. The laboratory portion provides practical hands-on experience with the PC trainer kits, PicBasic Pro programming, interfacing and application of the microprocessor/microcomputer to real world systems.

Prerequisite: ENGT 365. Offered: F.

ENGT 466L - Microprocessor & Microcontroller Lab (2)

Laboratory experiments reinforce the concepts covered in ENGT 465.

Corequisite: ENGT 465. Offered: F.

ENGT 470 - Enterprise Network Security & Administration (3)

formerly Network Administration and Security
Covers network administration and security using advanced routers and switches. Topics include advanced router and switch management, Firewall technologies, access control lists, encryption algorithms, authentication, Intrusion Detection and Prevention, VPN access, RADIUS and SYSLOG servers, WIRESHARK packet analyzer, and troubleshooting IP networks. Security labs using

CISCO 2600/2811 routers and CISCO 2950/2960 switches will be covered. (3 hrs lecture, 2 hrs lab)

Prerequisite: ENGT 445. Offered: S.

ENGT 470L - Enterprise Network Security & Administration Lab (2)

Security labs using CISCO 2600/2811 routers and CISCO 2950/2960 switches will be covered; and basics of laboratory report writing.

Prerequisite: Co-requisite ENGT 471. Offered: F.

ENGT 475 - Aerial Robotics/UAV: Sensors & Controls

Develops skills in configuring and utilizing network forensics tools to capture suspicious data and recognize traffic patterns associated with suspicious network behavior. Topics include principles and applications of network forensics analysis, configuring various forensics tools for network forensics analysis, reconstructing suspicious activities (e-mails, file transfers, or web browsing) for detailed analysis and evidentiary purposes, security threat recognition, encryption technologies, and defensive configurations of network infrastructure devices.

Prerequisite: ENGT 360.

ENGT 488 - Internship (3)

This course provides employment experiences in engineering field.

Prerequisite: Department Chair or Program Coordinator's written consent. Offered: F; S; SS.

ENGT 490 - Project Management (3)

Focuses on the fundamental aspects of managing complex projects, the central role of project management in organizations, the project life cycle, and techniques for project planning, scheduling, and controlling using situations from technical disciplines.

Prerequisite: Senior standing. Offered: F; S.

ENGT 495 - Research in Engineering Technology (3)

An upper level course involving an independent or group research and design project. Introduces techniques and procedures of technical research. The student learns by assisting the instructor with a research project in the laboratory and industry. All students must complete a project and demonstrate their teamwork, communication, and problem-solving skills in the real work project. Submission of written report and final oral presentation are required.

Prerequisite: Senior standing and written consent of the chair or engineering technology coordinator.
Offered: F; S; SS.

ENGT 498 - Capstone Senior Project II (2)

This is second part of senior project. Individual students or teams propose and design a device, system, or process using senior level tools. Topic and implementation project to be jointly agreed upon by student and faculty member and should be related to the student's discipline. Includes planning, designing, testing, working on a team, writing a report, demonstrating, and presenting the project.

Prerequisite: ENGT 455. Offered: S.

ENTR - ENTREPRENEURSHIP

ENSC - ENVIRONMENTAL SCIENCE COURSE DESCRIPTIONS

ENSC 101 - General Environmental Science (3)

Critical examination of population, resources, and environment as they relate to the well-being of man. Comprehensive analysis and evaluation of environmental issues in terms of present and future generations of the world. Lecture: three hours.

Prerequisite: None. Offered: F; S; SS.

ENSC 101L - General Environmental Science Laboratory (1)

Analysis and experiments geared toward understanding the underlying principles involved in determining the health of the environment. Includes the analysis for common pollutants in water, air, and soil. Laboratory: (2) hours.

Prerequisite: Suggested taken in conjunction with ENSC 101. Offered: F; S; SS.

ENSC 440 - Global Environmental Issues Seminar (3)

Covers significant global environmental issues using case studies, debating and video conference format. Students assume "roles" of parties that have a stake in the outcome of issues that generally have no clear-cut solution and defend the position. The position is also defended through posting of position papers on electronic forums. Lecture: meets three hours; and video conference scheduled outside the formal meeting period as needed.

Prerequisite: GE 102, GE 103, and instructor written consent. Offered: S.

FL - FOREIGN LANGUAGES COURSE DESCRIPTIONS

FL 479 - Special Studies in Non-English Languages and Literature (1-3)

Topics may include linguistics, languages and/or textual analysis in original languages, translation/interpretation, and language development. May be repeated up to 6 semester hours.

Prerequisite: Written Consent of the Department Chair. Offered: F; S; SS.

FLT - FLIGHT COURSE DESCRIPTIONS

See Course Listings under Aviation Science (p. 219).

(*Flight Lab fees are associated with all flight Lab courses*)

FLT 110 - Private Pilot Ground (3)

Allows a student to acquire the knowledge needed to safely operate as a Private Pilot and satisfactorily complete the FAA Knowledge Test. Topics include Aerodynamics, Airspace and Weather, Flight Operations, Flight Instruments, Sectionals, Electronic Navigation, Aircraft Performance, Weight and Balance, Communications and Radar Services, Cross-Country Planning, and Federal Aviation Regulations.

FLT 116L - Private Pilot Flight Lab (3)

Course is designed to provide the student with the in-flight practical instruction to acquire the proficiency and experience needed to meet the certification requirements to attain an FAA Private Pilot Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA ASEL Airman Certification Standards (ACS).

Corequisite: FLT 110.

FLT 122 - Flight Safety Seminar (1)

Students within the Flight Education concentration are introduced to federal and university policies and procedures as they pertain to the flight program and student pilots.

Corequisite: FLT 110.

FLT 225L - Cross Country Flight Part I Lab (2)

Affords ASEL certificated students to obtain necessary cross country Pilot In Command flight Time and experience as specified under 14 CFR 61.65 (d).

Prerequisite: FLT 116L.

FLT 226L - Cross Country Flight Lab Part II (2)

Affords ASEL certificated students to obtain necessary cross country Pilot In Command flight Time and experience as specified under 14 CFR 61.65 (d).

FLT 320 - Instrument Ground (3)

Allows the student to acquire the aeronautical knowledge needed to safely operate as an Instrument Rated Pilot and satisfactorily complete the Instrument Pilot Knowledge Test. Topics include human factors, aviation physiology, flight instrumentation, National Airspace System, FAA Regulations, Aeronautical Information Manual, Air Traffic Control system, weather and Crew Resource Management.

Prerequisite: FLT 110.

FLT 326L - Instrument Flight Lab (3)

This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for adding a U.S. FAA Instrument Rating to an existing Private or Commercial Pilot Certificate. The performance criteria specified in the syllabus is based on the current FAA Instrument Pilot Airman Certification Standards.

Prerequisite: FLT 110, FLT 115L, pre- or co-requisites: FLT 320 and consent from the Program Director or his assignee.

- Instrument Flight Lab (3)

This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for adding a U.S. FAA Instrument Rating to an existing Private or Commercial Pilot Certificate. The performance criteria specified in the syllabus is based on the current FAA Instrument Pilot Airman Certification Standards.

Prerequisite: FLT 116L.

FLT 330 - Commercial Ground (3)

Allows the student to acquire the aeronautical knowledge needed to safely operate as a Commercial Pilot and satisfactorily complete the Commercial Pilot Knowledge Test. Topics include airports, airspace, meteorology, airplane performance, flight planning, navigation, aviation physiology, aeronautical decision making, and the applicable commercial pilot Federal Aviation Regulations.

Prerequisite: FLT 110.

FLT 336L - Commercial Flight Lab (3)

This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for an FAA Commercial Pilot Certification (ASEL). The performance criteria specified in the syllabus is based on the current FAA Commercial Pilot (ASEL) Airman Certification Standards.

Prerequisite: FLT 326L.

338L - Commercial Flight Lab Part I

This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for an FAA Commercial Pilot Certification (ASEL). The performance criteria specified in the syllabus is based on the current FAA Commercial Pilot (ASEL) Airman Certification Standards.

339L - Commercial Flight Lab Part II (3)

This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for an FAA Commercial Pilot Certification (ASEL). The performance criteria specified in the syllabus is based on the current FAA Commercial Pilot (ASEL) Airman Certification Standards.

Prerequisite: FLT 338L.

FLT 340 - Multi-Engine Ground (2)

This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for adding an FAA Multi-Engine Rating (Airplane) to an existing Commercial Pilot Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA Multi-Engine Pilot Airman Certification Standards.

Prerequisite: FLT 110.

FLT 345L - Multi-Engine Flight Lab (2)

This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for adding an FAA Multi-Engine Rating (Airplane) to an existing Commercial Pilot Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA Multi-Engine Pilot Airman Certification Standards.

Prerequisite: FLT 116L.

FLT 420 - Flight Instructor Ground (2)

This ground training course is designed to allow the pilot applicant to acquire the aeronautical knowledge needed to safely operate as a Certified Flight Instructor and satisfactorily complete both the Fundamentals of Instruction and the Certified Flight Instructor Knowledge Tests.

Prerequisite: FLT 330.

FLT 425L - Flight Instructor Flight Lab (2)

This course will allow an enrolled student to acquire the proficiency and experience needed to meet the certification requirements for attaining an FAA Certified Flight Instructor Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA Certified Flight Instructor Airman Certification Standards.

Prerequisite: FLT 336L, FLT 339L.

FLT 430 - Advanced Flight Instructor Ground (2)

This ground training course is designed to allow the pilot applicant to acquire the aeronautical knowledge needed to safely operate as a Certified Instrument Flight Instructor and satisfactorily complete the CFII Knowledge Test.

Prerequisite: FLT 420.

FLT 435L - Instrument Flight Instructor Flight Lab (2)

Provides the student with the practical in-flight instruction and flight experience to complete all maneuvers and operations required to earn the FAA Certified Instrument Flight Instructor Airplane Certificate. The course includes all dual flights and evaluation flights.

Prerequisite: FLT 336L or FLT 339L.

FLT 445L - Multi-Engine Flight Instructor Lab (2)

Provides the student with the practical in-flight instruction and flight experience to complete all

maneuvers and operations required to earn the FAA Certified Multi-Engine Flight Instructor Airplane Certificate. The course includes all dual flights and evaluation flights.

Prerequisite: FLT 345L, FLT 339L.

FLT 490 - Airline Transport Pilot Ground (3)

Topics include FARs related to ATP privileges, limitations, and flight operations; Meteorology, Weather and NOTAM, National Weather Service functions, wind shear and microburst awareness. Lessons covering the principles of air navigation, ATC procedures, departure and approach procedures; aircraft loading; weight and balance; human factors, aeronautical decision making, and CRM.

Prerequisite: Approval of Chief Flight Instructor.

FLT 495L - Airline Transport Pilot Single Engine Flight Lab (3)

This course will allow an enrolled appropriately rated Commercial Pilot student to acquire the proficiency and experience needed to meet the certification requirements for a U.S. FAA ATP (ASEL). The performance criteria specified in the syllabus is based on the current FAA ATP (ASEL) Airman Certification Standards.

Prerequisite: FLT 490.

FLT 499L - Airline Transport Pilot Multi-Engine Flight Lab (3)

This course will allow an enrolled appropriately rated Commercial Pilot student to acquire the proficiency and experience needed to meet the certification requirements for a U.S. FAA ATP (AMEL). The performance criteria specified in the syllabus is based on the current FAA ATP (AMEL) Airman Certification Standards.

Prerequisite: FLT 490.

HFLT 116L - Private Pilot Flight Lab - Rotary (3)

Course is designed to provide the student with the in-flight practical instruction to acquire the proficiency and experience needed to meet the certification requirements to attain an FAA Private Pilot Certificate (H-SEL). The performance criteria specified in the syllabus is based on the current FAA H-SEL Airman Certification Standards (ACS).

Prerequisite: FLT 110.

HFLT 326L - Instrument Flight Lab - Rotary (3)

This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for adding a U.S. FAA Instrument Rating to an existing Private or Commercial Pilot Certificate. The performance criteria specified in the syllabus is based on the current FAA Instrument Helicopter Pilot Airman Certification Standards.

Prerequisite: HFLT 116L.

HFLT 336L - Commercial Flight Lab - Rotary (3)

This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for an FAA Helicopter Commercial Pilot Certification (H-SEL). The performance criteria specified in the syllabus is based on the current FAA Commercial Pilot (H-SEL) Airman Certification Standards.

Prerequisite: HFLT 326L.

HFLT 420 - Certified Flight Instructor Ground - Rotary (3)

This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for adding a U.S. FAA Instrument Rating to an existing Private or Commercial Pilot Certificate. The performance criteria specified in the syllabus is based on the current FAA Instrument Helicopter Pilot Airman Certification Standards.

Prerequisite: HFLT 336L.

HFLT 430 - Certified Flight Instructor Instrument Ground - Rotary (3)

This ground training course is designed to allow the pilot applicant to acquire the aeronautical knowledge needed to safely operate as a Certified Instrument Flight Instructor and satisfactorily complete the Helicopter CFII Knowledge Test.

Prerequisite: HFLT 420.

FREN - FRENCH COURSE DESCRIPTIONS

FREN 101 - Elementary French (3)

Basic grammar, punctuation, pronunciation, and reading for vocabulary building, cultural aspects, and conversation. Laboratory practice required of all students.

Offered: F; S; SS.

FREN 102 - Elementary French (3)

Basic grammar, punctuation, pronunciation, and reading for vocabulary building, cultural aspects, and conversation. Laboratory practice required of all students.

Offered: F; S; SS.

FREN 201 - Intermediate French (3)

Review of grammatical principles; development of reading, writing, and conversational skills. Reading and interpretation of selected works; introduction to aspects of French culture. Laboratory practice required of all students.

Prerequisite: FREN 101, FREN 102. Offered: F; S.

FREN 202 - Intermediate French (3)

Review of grammatical principles; development of reading, writing, and conversational skills. Reading and interpretation of selected works; introduction to aspects of French culture. Laboratory practice required of all students.

Prerequisite: FREN 101, FREN 102. Offered: F; S.

FREN 301 - Survey of French Literature (3)

Great works of literature studied as representatives of French civilization and culture.

Prerequisite: FREN 201, FREN 202 or advanced placement. Offered: F; S.

FREN 302 - Survey of French Literature (3)

Great works of literature studied as representatives of French civilization and culture.

Prerequisite: FREN 201, FREN 202 or advanced placement. Offered: F; S.

GEOG - GEOGRAPHY COURSE DESCRIPTIONS

GEOG 142 - Introduction to Geography (3)

Study of basic terms and concepts in geography, study of maps with spatial variation. Study of the physical world and the forces that forged it. Patterns of weather and climate and their impact on vegetation, soils, and the distribution of the earth's resources. Review of human geography including population, culture, urbanization, and industrialization.

Prerequisite: No Prerequisites. Offered: F: S: SS.

GEOG 201 - World Geography (3)

Surveys the social, economic, demographic, cultural, and physical elements of major geographic regions in the world. Serves students in different disciplines with various interests. Completion of this course gives the student an appreciation for the lifestyles of people in various regions of the world and an added awareness of the physical environments where these people live and work.

Prerequisite: No Prerequisites. Offered: F.

GEOG 204 - Geography of the US and Canada (3)

This course surveys the social, economic, demographic, cultural, and physical aspects of major cities in the world. It focuses specifically on cities and urban development in North America, but it also considered cities in other regions of the developed world as well as cities in regions that are less developed. Completion of this course should give the student an appreciation for how cities originated and grow, their structure, and mobility between and among them. In addition, the course should benefit the student in terms of greater awareness of lifestyles and activities within urban environments.

Prerequisite: No Prerequisites.

GEOG 221 - Cartographic Principles (3)

Planning and construction of thematic maps for use in communicating the spatial relations of geographic and geologic information. Includes topographic, geographic, and thematic maps, and various grid location systems, computer printouts of data collections, and aerial photos. Elements of map design and introduction to computer mapping (GIS) are also covered. Lecture, two hours; laboratory, two hours.

Prerequisite: GE 142. Offered: S.

GEOG 305 - Economic Geography (3)

A regional and systematic analysis of the principal economic production systems in the world, including: 1) present regional and global patterns of economic activities; and 2) explanations for the location of these activities.

Prerequisite: GE 142 or written consent from the Instructor or Department Chair. Offered: F.

GEOG 308 - Weather and Climate (3)

Elements and principles of meteorology involved in understanding daily weather patterns with regional study of the world's climate controls and the relation between these factors.

Prerequisite: GE 142. Offered: S.

GEOG 406 - Geography of the U.S. and Canada (3)

The historical creation and expansion of North America from African, Asian, and European influences. Explores the contemporary geography of the continent, which includes cultural regions, economic characteristics, and political variations. Also includes the study of the continent's physical and human geography and the interactions between these two elements of the discipline.

Prerequisite: GE 142 and 9 hours of Geography courses.

GEOG 409 - Urban Geography (3)

The study of human interaction in urban environments including the ways in which people perceive, define, and behave in world cities and metropolitan areas. Cultural and social differences among ethnic and racial groups are discussed. Also reviews the city as a physical phenomenon, its historical growth patterns, and the consequences of this growth in various regions of the world.

Prerequisite: GE 142 and 9 hours of Geography courses.

GEOL - GEOLOGY COURSE DESCRIPTIONS

GEOL 110 - General Oceanography (3)

Study of physical and chemical properties of the sea's water, tides and their causes, current and wave action, ocean environments, and configuration of the ocean floor. Lecture: three hours and one field trip to observe wave and tidal action.

Offered: S; SS.

GEOL 135 - The Age Of Dinosaurs (3)

A survey of the major dinosaur groups, including origins, diversification, physiology, classification, life habits, and extinction theories. Also covered is a discussion of animals contemporary with the

dinosaurs and the environment in which they all lived. Lecture: three hours.

Offered: S.

GEOL 140 - Introduction to Earth Science (4)

An introductory course for non-science majors that surveys basic concepts in geology, oceanography, meteorology, and astronomy including laboratory exercises.

Offered: S.

GEOL 142 - Physical Geology (3)

Introduction to physical aspects of the Earth and to factors responsible for shaping the earth, including internal and external forces. Lecture, three hours.

Offered: F.

GEOL 142L - Physical Geology Lab (1)

Laboratory includes techniques of identifying minerals and rocks, map interpretation, and field trips. Laboratory, two hours.

Offered: F.

GEOL 143 - Historical Geology (4)

Study of Earth history through interpretation of sedimentary, metamorphic, and igneous rock sequences, tectonics, and fossils. Lecture, three hours; laboratory, two hours.

Prerequisite: GE 158 or consent of Chairperson.

Offered: S.

GEOL 158 - Principles of Geological Science (3)

Study of the Earth and the composition of the earth's crust. Included are internal and external processes that account for geomorphological features and their characteristics, mountain-building forces, mineral and energy resources, and the earth's internal composition. Lecture, three hours.

Prerequisite: No Prerequisites. Offered: F; S; SS.

GEOL 158L - Principles of Geological Science Lab (1)

Hands-on study of minerals; sedimentary, igneous, and metamorphic rocks; and understanding of geomorphological features using topographic maps and cross-sections. Laboratory, two hours.

Prerequisite: Prerequisite or Co-requisite: GE 158.

Offered: F; S; SS.

GEOL 331 - Aerial Photo Interpretation

Methods and techniques used in gathering geological, environmental, physical, and political information from aerial photographs. Lecture, three hours.

Prerequisite: GE 158 or consent of Chairperson.

GEOL 332 - Geomorphology (3)

Reviews the fundamental geomorphic principles that govern the development and modification of landforms. Lecture and lab, three hours.

Prerequisite: GE 158 or consent of Chairperson.

Offered: S.

GEOL 341 - Mineralogy (3)

Physical and chemical characteristics and crystal chemistry of minerals and their use and occurrence. Lecture, two hours; laboratory, two hours.

Prerequisite: GE 158. Offered: F.

GEOL 342 - Optical Mineralogy (3)

Identification of minerals with the polarizing microscope using optical properties of minerals including index of refraction and birefringence, uniaxial, and biaxial characters. Lecture, two hours; laboratory, two hours.

Prerequisite: GEOL 341. Offered: S.

GEOL 343 - Sedimentology (3)

Principles of sedimentology and sedimentation; analysis of depositional environments; mineralogy, textures, structures, and classification of sediments and sedimentary rocks. Lecture, two hours; laboratory, two hours.

Prerequisite: GE 158. Offered: F.

GEOL 344 - Stratigraphy (3)

Principles and methods of stratigraphy, including lithologic, seismic, and biologic methods. Interpretation of earth history through the study of layered sedimentary rocks. Graphic presentation of stratigraphic information. Lecture, two hours; laboratory, two hours.

Prerequisite: GE 158; GEOL 343. Offered: S.

GEOL 345 - Paleontology (3)

Principles of paleontology and evolution, morphology, and classification of major groups of invertebrate fossils, including their use in correlation

and identification of paleoclimates and paleogeography.

Prerequisite: GEOL 143 or MAS 421 or BIOL 101 or GE 155. Offered: F.

GEOL 348 - Hydrogeology (3)

Sources, occurrence, movement, quality, and recovery of ground water. Investigation of aquifer systems, rock properties that regulate flow of ground water, contamination sources, and remediation techniques. Lecture, three hours.

Prerequisite: GE 158. Offered: F.

GEOL 360 - Principles of Geographic Information System (GIS) (4)

The course includes learning the basic GIS operations, design, preliminary exposure to geographic data structures, and hands-on experiences with several GIS programs through exercises. Lecture and laboratory, four hours.

Prerequisite: GE 111 or familiarity with computer usage. Offered: F.

GEOL 365 - Introduction to Remote Sensing and Digital Image Processing (4)

Basic principles of remote sensing and image analysis using a computer system with the end result of producing a map. Discussed are the introduction and basic principles, electro-optical sensors and imagery obtained, data acquisition and image processing, geo-referencing, and terrain corrections. Lecture and laboratory, four hours.

Prerequisite: GE 111 or familiarity with computer usage. Offered: S.

GEOL 395 - Individual Study in Geology (1-3)

Allows students to pursue specialized study in geology that is outside general course offerings. Students carry out reading assignments, do laboratory work, and participate in discussions with the instructor.

Prerequisite: Instructor's written consent. Offered: F; S; SS.

GEOL 440 - Structural Geology (3)

Analysis of earth's structure including folds, faults, joints, cleavage, fracture patterns, and petrofabrics. Structure of mountain systems and theories of mountain-building and plate tectonics. Lecture, two hours; laboratory, two hours.

Prerequisite: GE 118; GEOL 143. Offered: S.

GEOL 441 - Petrology (3)

Fundamentals of igneous and metamorphic rock classification, identification, petrogenesis, and evolution. Microscopic and macroscopic (thin sections and hand specimens) study of rocks and evaluation of their minerals, structures, and textures in relation to their origin. Lecture, two hours; laboratory, two hours.

Prerequisite: GEOL 341. Offered: F.

GEOL 442 - Economic Geology (3)

Origin, emplacement, structure, mineralogy, and petrology of metallic and non-metallic economic deposits and fossil fuels. Evaluation of economic and environmental factors for the development of resources. Lecture, two hours; laboratory, two hours.

Prerequisite: GEOL 341, GEOL 344, and GEOL 440. Offered: S.

GEOL 444 - Field Geology (3)

Methods and techniques used in geological field investigations including geological mapping, preparation of subsurface cross-sections and maps; introduction to geophysical exploration techniques. A field trip is required.

Prerequisite: GEOL 143, GEOL 344, and GEOL 440. Offered: S.

GEOL 446 - Summer Practical Internship (6)

Minimum of six weeks of training in field geology including field techniques, data collection, interpretation, preparation, and report writing.

Prerequisite: GE 118; GEOL 332, GEOL 344, GEOL 440, GEOL 441, GEOL 444. The course requires expenses for the field trip. Students must see the Chairperson before enrolling in the course. Offered: SS.

GEOL 448 - Practicum in Geology (1)

Practical experiences in the teaching of freshman laboratories under faculty supervision. An elective open to those students expecting to go to graduate school and who have the approval of the Chairperson.

Offered: F, S.

GEOL 449 - Principles of Geochemistry (3)

Topics covered include basics of major and trace element geochemistry, petrogenesis and mantle

evolution, weathering and soil formation, geochemistry of ground and surface waters, geochemistry of pollutants, and petroleum and coal geochemistry. Lecture, three hours.

Prerequisite: GE 158, GEOL 341, GEOL 441; CHEM 101L, CHEM 102L. Offered: S.

GEOL 461 - Advanced Geographic Information System (4)

An advanced GIS course with emphasis on students' individual projects. Laboratory complements lecture, and will be a hands-on study of the discussion above, but the course concentrates mainly on individual projects. Lecture and laboratory, four hours.

Prerequisite: GEOL 360 and GEOL 365. Offered: F.

GEOL 496 - Seminar in Geology (1)

A review of all of the courses in the core areas of geology: physical, historical, mineralogy, petrology, sedimentology, stratigraphy, geomorphology, structural geology, paleontology, and field methods. This Capstone course is a requirement for graduating seniors in geology, and will serve as preparation for professional licensure. The course will integrate all of the fundamental concepts and skills that a geologist should have. Included will be problem solving, and other practical applications that will involve fieldwork. Lecture and field exercises: Three hours per week.

Prerequisite: Senior Standing. Offered: F; S.

GEOL 499 - Research in Geology (1-3)

An introduction to the mechanics of scientific research with actual hands-on projects. Students must design the investigation; research the problem in the field, in the library, and the laboratory as called for; and submit a written report of research project.

Prerequisite: Open to advanced Geology majors with written consent from Department Chair (Six semester credit hours maximum.). Offered: F; S; SS.

GLBS - GLOBAL STUDIES COURSE DESCRIPTIONS

GLBS 200 - Introduction to Global Studies (3)

Introduction to globalization and a broad range of cultural, economic, political, and social issues confronting the globalized world today. Examines the current structure of globalization. Thematic categories: culture and society, governance and

conflict, and markets. Designed to capture principal dimensions of diverse and complex connections among nation-states, nongovernmental organizations, ethnicities, cultural and religious groups, and populations around the world.

Prerequisite: No Prerequisites, open to all students. Offered: F; S.

GLBS 320 - World Societies and Cultures (3)

A historical and cultural examination of Africa, Asia, the Middle East, the Americas, and Europe from 1650 to the present. Emphasizes the dynamic evolution of modern society by emphasizing religious, intellectual, economic, and political aspects of life and history.

Prerequisite: GE 140 and GE 141. Offered: F; S.

HLTH - HEALTH COURSE DESCRIPTIONS

HLTH 101 - First Aid, CPR, and AED (1)

Taught according to American Red Cross guidelines, this course will prepare you to recognize and care for a variety of first aid, breathing, and cardiac emergencies involving adults, children and infants and meets OSHA/workplace requirements. Upon successful completion of this course you will receive a digital certificate for American Red Cross Adult and Pediatric First Aid/CPR/AED valid for two years.

Offered: F; S.

HLTH 185 - Health Concepts (2)

Basic knowledge and behavior change techniques which allow the student to make intelligent decisions related to health and wellness. The course is usually taken during the freshman year and is a required course in the General Education program.

Offered: F; S; SS.

HLTH 200 - Introduction to Health and Wellness Promotion (3)

An introduction to the professional and academic field of health promotion and disease prevention. Epidemiological investigations of disease patterns and trends in the United States and health promotion efforts in various settings are explored. Emphasis is placed on the roles of lifestyles in determining health outcomes, social determinants of health, and effective strategies to help change health behavior.

Offered: F.

HLTH 360 - Sexual Health Through the Lifespan

An introduction to reproductive anatomy, sexual response, conception, family planning, pregnancy and child birth, sexuality throughout the life cycle, prevention of HIV/AIDS and other sexually transmitted diseases, contraception, homosexuality, atypical sexual behavior and sexual victimization.

HLTH 367 - First Aid, CPR and Safety (3)

First Aid, CPR and Safety provides essential information that leads to certification for administering emergency care. Certification is a departmental requirement. The course is offered to all students.

Offered: S.

HLTH 369 - Principles of Nutrition (3)

Fundamentals of human nutrition, including the functions and essential nutrients necessary for optimum growth and the maintenance of physical and mental health. Open to all students.

Offered: F; S.

HLTH 374 - School Health Education (3)

This course provides an overview of skills-based health education. It provides a foundation for planning and implementing effective health education. It provides students with knowledge, methods and materials necessary to teach health in grades K-12.

Offered: S.

HLTH 450 - Health Parity: Rural, Urban, and Global Contexts (3)

Social inequalities and health disparities at the local, national and international levels will be addressed. Students will explore the social factors that contribute to racial, ethnic, socioeconomic and gender disparities in health and healthcare. This course will strengthen students' knowledge of the history and causes of health disparities and inequalities and will provide a theoretical grounding that will be applied in the study of practical solutions to eliminate health disparities and achieve health parity around the world.

Offered: S.

HLTH 460 - Contemporary Health Education (2)

A review of the techniques and principles relevant to the study of current health issues and problems in today's society. Health education methods and materials, instructional strategies, and the selection of resource materials are emphasized. This course is required of all Physical Education majors. Open to all students.

Offered: F.

HLTH 465 - Drug Education (3)

Study of social, psychological, and physiological aspects of drug use, misuse, and abuse. Open to all students.

Offered: S.

HIST - HISTORY COURSE DESCRIPTIONS

HIST 140 - History of World Civilization, Prehistoric to 1500 (3)

World Civilization from prehistoric times to the beginning of early modern times. Survey of political, economic, social, and intellectual history of major civilizations before the period of Western domination. Particular attention is devoted to ancient Egypt and Mesopotamia, ancient India and China, native cultures in the Americas, Islam at its height, Afro-Islamic kingdoms of West Africa, classical Mediterranean civilizations, medieval Europe, Renaissance, Reformation, and Age of Discovery. **This course will also include the use of technology, critical reading, critical thinking, and critical writing assignments.**

Prerequisite: No Prerequisite.

HIST 140H - History of World Civilization, Prehistoric to 1500, Honors (3)

World Civilization from prehistoric times to the beginning of early modern times. Survey of political, economic, social and intellectual history of major civilizations before the period of Western domination. Particular attention is devoted to ancient Egypt and Mesopotamia, ancient India and China native cultures in the Americas, Islam at its height, Afro-Islamic kingdoms of West Africa, classical Mediterranean civilizations, medieval Europe, Renaissance, Reformation, and Age of Discovery. **This course will also include the use of technology,**

critical reading, critical thinking, and critical writing assignments.

Prerequisite: No Prerequisite.

HIST 141 - History of World Civilization, 1500 to the Present (3)

World Civilization from 1500 to the present. Survey of the political economic, social, and intellectual history of European, American, African, and Asian societies. Particular attention is devoted to the growth of nationalism, the age of revolution, new achievements in science and art, the effects of European colonialism on the indigenous peoples of Africa, Asia, Latin America, and the Middle-East, and the causes and results of the First World War, Second World War. **This course will also include the use of technology, critical reading, critical thinking and critical writing assignments.**

Prerequisite: No Prerequisite.

HIST 141H - History of World Civilization, 1500 to the Present, Honors (3)

World Civilization from 1500 to the present. Survey of the political economic, social, and intellectual history of European, American, African, and Asian societies. Particular attention is devoted to the growth of nationalism, the age of revolution, new achievements in science and art, the effects of European colonialism on the indigenous peoples of Africa, Asia, Latin America, and the Middle-East, and the causes and results of the First World War, Second World War. **This course will also include the use of technology, critical reading, critical thinking and critical writing assignments.**

Prerequisite: No Prerequisite.

HIST 200 - Introduction to History (3)

An introduction to the methods of historical research, historical terminology and historical theory with an emphasis on the use of technology in research and digitization, critical thinking, and critical writing. The portfolio for history majors is started in the sophomore year.

Prerequisite: No Prerequisite. Offered: F; S.

HIST 250 - African American History to 1877 (3)

Survey of African backgrounds of African Americans and the part they played in the exploration and development of America. Studies African Americans' relationships with the constitutional,

political, economic, social, and cultural development of the United States to 1877.

Prerequisite: No Prerequisite. Offered: F; S.

HIST 251 - African American History since 1877 (3)

Survey of African Americans in America from the end of Reconstruction to the present. Examines constitutional, political, economic, social, and cultural developments related to the African American presence in America. Also included: the Diaspora.

Prerequisite: No Prerequisite. Offered: S.

HIST 255 - American History to 1877 (3)

General political, constitutional, cultural, social and economic development of the United States from first contact with native cultures to the end of Reconstruction. This course utilizes active learning strategies such as Reacting to the Past to engage students in the learning process.

Prerequisite: No Prerequisite. Offered: F; S; SS.

HIST 256 - American History Since 1877 (3)

Continuation of HIST 255. Analysis of the political, constitutional, social, and economic growth of United States from 1877 to present. Emphasizes industrial development, economic depressions, the two World Wars, and social movements for equality as factors in American growth and development. This course utilizes active learning strategies such as Reacting to the Past to engage students in the learning process.

Prerequisite: No Prerequisite. Offered: F; S; SS.

HIST 320 - Introduction to Digital & Public History (3)

This course will explore the development of the fields of digital and public history and examine the impact of digital media on the research, writing, teaching and presentation of history and the history, theory, and practice in both fields.

Offered: S.

HIST 321 - Archives and Museum Management & Digitization (3)

This course is designed to introduce students to the work of museums, archives, and other organizations in North Carolina, the United States, and around the world. The focus of the course will be on the physical practices of traditional as well as digital archives & museum management. Students will be expected to utilize class discussions, reading assignments, and

independent research to explore relevant archival topics. Writing exercises, field work, online studies, and lectures will assist in advancing the student's knowledge of the coursework.

Prerequisite: HIST 320. Offered: F.

HIST 322 - Digital History Project Seminar (3)

This research seminar course will examine leading works of digital history scholarship, explore theories of narrative in hypertext, and develop models of digital scholarly communication. Students will be expected to conduct research around selected topics in history, focus their work on the creation of a digital project, and participate in class discussion on methods and theories of digital media. The emphasis in this course, however, will be to develop in students an acute awareness of the opportunities and challenges inherent in communicating one's scholarship the digital medium. Students will explore the possibilities of digital history and engage the theoretical implications at every stage of their work. The final research project will feature the completion of an original piece of digital scholarship equivalent in scope to a research seminar paper.

Prerequisite: HIST 320. Offered: F.

HIST 331 - Prophets, Priests, and Radicals in the Atlantic World (3)

A thematic approach to the contributions of African religion and politics to the African diaspora in the United States and the Caribbean. Analyzes the role of religion in resisting oppression and racial injustice as well as the role of religion and the church.

Prerequisite: Recommended: HIST 250 or HIST 251.

HIST 332 - Global Religion (3)

Studies the major religions of the world and takes a comparative approach to the examination of religion and its role in cultural, economic, and political development around the world.

Prerequisite: GE 140 and GE 141.

HIST 351 - Colonial North America and the Atlantic World, 1492-1800 (3)

The interactions of varying groups of people in colonial North America, including cultural, political, and economic exchanges, and military conflicts. Follows the development of the colonies through the American Revolution to the New Republic, focusing

on the multivalent influences that forged a diverse society.

Prerequisite: HIST 200 (for History majors), HIST 250 or HIST 255 (for all majors). Offered: S, Even.

HIST 352 - Conflict, Reconstruction, and Imperialism, 1800-1919 (3)

Examines the role of slavery and freedom, labor, sectionalism, and empire in the making of the nineteenth and early twentieth-century United States. Focuses on the end of the Early Republic and the rise of sectionalism, the Civil War and Reconstruction, American empire and the rise of the U.S. in global affairs and conflict.

Prerequisite: HIST 200 (for History majors), HIST 250, or HIST 255 (for all majors). Offered: F, Odd.

HIST 358 - United States and the World, 1919-present (3)

American history from the First World War to the present, including the Great Depression and New Deal, the emergence of the welfare state, internationalism, the Second World War, the Cold War, conflicts in Korea, Vietnam, and the Middle East. Particular attention will be given to social and political movements.

Prerequisite: HIST 200 (for History majors), HIST 256 or HIST 251 (for all majors). Offered: S.

HIST 361 - Cold War: A Global History (3)

This course explores the Cold war as a global process through the lens of American foreign relations, probing its political and military and well as the social and cultural impact of the confrontation between the West and the Communist bloc.

Offered: S.

HIST 371 - Apartheid and Freedom in South Africa (3)

This course explores the history of South Africa – from colonization and apartheid to democracy. The course will explore the place of the anti-apartheid movement within larger global currents, of post-colonialism, pan-Africanism, trade unionism, and Communism, and in comparison to other twentieth-century struggles for political and social justice (the American Civil Rights movement, Quit India, the struggle for indigenous rights in New Zealand and Australia, etc.).

HIST 372 - The Black Atlantic (3)

This course will examine the role of people of African descent in the movement of traditions, ideas, politics, and cultures across the space of the Atlantic World. Particular attention will be given to the essential role of people of African descent, in the making of the modern world.

Offered: F.

HIST 373 - History of Human and Civil Rights (3)

This course examines the development of civil and human rights movements in world history, beginning in the nineteenth century. It encompasses the origins, history and the lasting influences of civil and human rights struggles, including contemporary controversies such as re-segregation, environmental and economic justice, and social justice (women's, LGBT, aboriginal rights, anti-apartheid, the Arab Spring and others).

Offered: F.

HIST 376 - African-American Experience in North Carolina (3)

This course will explore the history of North Carolina and the Albemarle region from colonial times to the present day through the African-American experience. Particular attention will be given to the role of African Americans in forging modern North Carolina through political activism and cultural creativity.

Offered: F; S.

HIST 383 - Ancient and Medieval Worlds (3)

Examination of the historical development of Eurasia and Africa from 800 BCE to 1350 CE. Topics include the political and cultures of Greece, Rome, Persia, Swahili states, West Africa, and elsewhere. Particular attention will be given to cultural exchange, the role of religion, and imperialism.

Offered: F, Odd.

HIST 384 - The Birth of Modern Europe, 1350-1789 (3)

Examination of European history from the Italian Renaissance to the outbreak of the French Revolution. Topics include Renaissance art, exploration, the Reformation, absolute monarchy, the reign of Louis XIV, Russia, the English Civil War and Revolution, and the Enlightenment.

Prerequisite: GE 140, GE 141, (all majors), and HIST 200 (for History majors). Offered: S, Even.

HIST 385 - Revolution and Empire in Nineteenth Century Europe (3)

Examination of the social, political, intellectual history of Europe between the French Revolution and the end of World War I. Topics include the rise and defeat of Napoleon, liberalism versus conservatism, the social effects of the Industrial Revolution, and the growth of Nationalism, Marxism, Imperialism, and Militarism.

Offered: F, Even.

HIST 386 - War of the Worlds: Europe in the Twentieth Century (3)

Examination of some of the major developments in Europe from the end of World War I to the present: rise of Fascism in Germany and Italy, the political careers of Lenin and Stalin, World War II, the Cold War, the birth of Solidarity, the rise to power of Gorbachev, the collapse of the Iron Curtain and the U.S.S.R., the reunification of Germany, and post-Soviet Russia. Emphasizes the origins of modern political crises.

Offered: S, Odd.

HIST 397 - Historical Methods and Historiography (3)

Trains History majors and Social Studies Education students in the approach and methods of the historian, emphasizing fundamentals of research and writing as well as the basic schools of historical thought.

Course includes use of technology. The portfolio is evaluated. Students will begin a major research paper to be completed in HIST 499.

Prerequisite: Junior status, completion of HIST 200 with a C" or higher."

HIST 465 - China, East Asia, and the World (3)

Survey of the political, religious, social, cultural, economic, and intellectual development of China and East Asia. Special attention will be given to China's encounter with the West, the role of colonization and trade, and the emergence of China as a superpower during the twentieth century.

Offered: F.

HIST 473 - Africa and the Making of the Modern World (3)

Examination of Africa and its place in the making of the modern world from c. 1500 to the present day.

Attention given to pre-colonial African civilizations, colonial states and societies, African nationalisms and decolonization, and the independence era.

Offered: F.

HIST 475 - History of the Islamic World (3)

Survey of the political, religious, social, cultural, economic, and intellectual development of the Middle East. Special emphasis is on the role of Islam, the rise and fall of the Ottoman Empire, the role of oil, the origins of the Arab-Israeli conflict, and the history of terrorism.

HIST 481 - Global Women's History (3)

Women's lives throughout the world have impacted their respective societies and vice versa. The unique voice of women has, until recently, either been dismissed or muted. The global impact of women's work, ideas, political activities, and social activism is studied in this course. Women have made connections cross-culturally and many of their interactions will be explored. The course interjects the importance of women's experiences as it relates to the larger historical narrative of world history.

Prerequisite: HIST 141. Offered: F.

HIST 482 - Women in the African Diaspora (3)

Women of the African Diaspora experienced unique circumstances in their daily lives as daughters, mothers, wives, sisters, politicians, activists, workers, etc. For women of African descent, diasporic identity was often an issue with which they struggle, manipulate, and, at times, conquer. Analytical frameworks of social constructs of gender, race and class differ globally, and for these women, constructing ideological bridges is challenging. Primary sources, monographs, works of fact and fiction, and site visits will constitute the context of this course.

Prerequisite: HIST 141. Offered: F.

HIST 490 - Internship in History ((3) (6))

Can be offered as a three-hour course or a six-hour course. Student is placed in an internship by the instructor, working with an agency relating to public history. Student must complete 75 contact hours of engaged internship activities approved by the agency supervisor and the instructor.

Prerequisite: HIST 200 and with permission of Instructor.

HIST 493 - Women's and Gender History Special Topics (3)

A study of one or more selected historical topics on women's and gender history.

Prerequisite: 12 credit hours in History; instructor's permission. Offered: F.

HIST 494 - African-American History Special Topics (3)

A study of one or more selected historical topics in the instructor's specialty of African American History.

Prerequisite: At least 12 hours of History courses for all majors, HIST 200 (for History majors).

HIST 495 - US History Special Topics (3)

A study of one or more selected historical topics in the instructor's specialty of American History.

Prerequisite: At least 12 hours of History courses for all majors, HIST 200 (for History majors).

HIST 496 - European History Special Topics (3)

A study of one or more selected historical topics in the instructor's specialty of European History.

Prerequisite: At least 12 hours of History courses for all majors, HIST 200 (for History majors). Offered: F; S.

HIST 497 - World History Special Topics (3)

A study of one or more selected historical topics in the instructor's specialty of World History.

Prerequisite: At least 12 hours of History courses for all majors, HIST 200 (for History majors).

HIST 498 - African History Special Topics (3)

A study of one or more selected historical topics in the instructor's specialty of African History.

Prerequisite: At least 12 hours of History courses for all majors, HIST 200 (for History majors). Offered: S.

HIST 499 - History Seminar (3)

A continuation of HIST 397. It is the capstone course. Students complete the major research paper begun in HIST 397 that will demonstrate proficiency in historical research, critical thinking, critical analysis, historical writing techniques, use of appropriate technology; and presentation of research in the Program Research Day activities. The completed portfolio is due. History majors are

required to earn a "C" or higher in this class to successfully complete the course.

Prerequisite: Senior status, successful completion of HIST 200 and HIST 397 with a grade of "C" or higher. Offered: F.

HMLS - HOMELAND SECURITY COURSE DESCRIPTIONS

HMLS 230 - Border and Immigration Control (3)

Examines the political and operational factors influencing border and immigration control at the federal, state and local levels. Students will analyze homeland security legislation, practices, and presidential directives focusing on issues dealing with border and immigration control.

Offered: F; S.

HMLS 215 - Introduction to Homeland Security (3)

An overview of the history, organization, and the functions of the Department of Homeland Security. Examines and explores the theories, concepts, and case studies that are a part of homeland security in the United States.

Prerequisite: No Prerequisite. Offered: F; S.

HMLS 325 - Critical Infrastructure Protection (3)

Provides a basic understanding of the identification, prioritization, and protection of critical infrastructure including information technology, telecommunications, chemical, transportations, energy, water, medical, emergency services, and postal and shipping. The course will focus on risk-based implementation of protective measure and practices.

Offered: F; S.

HMLS 360 - Introduction to Intelligence Analysis (3)

This course will introduce students to the form, function, purpose, and general capabilities of the US Intelligence Community (IC) and the supporting role intelligence analysis plays in achieving US national security objectives. Special emphasis in this course will be placed on developing the critical thinking, writing, and briefing skills necessary to successfully perform as an intelligence analyst.

Offered: F; S.

HMLS 490 - Senior Seminar in Homeland Security (3)

This senior capstone course allows students majoring in homeland security to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses.

Offered: F; S.

HON - HONORS COURSES DESCRIPTIONS

HON 194/195 - Freshman Honors Colloquia (1 credit hour per course)

Students may take two semesters to complete the Senior Colloquium project (e.g., Senior Honors Thesis) with an IP (In Progress) grade for the first semester

HON 201 - Sophomore Honors Seminar (3)

The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course has an interdisciplinary theme. Designed for all sophomore-level or above Honors Program students. Faculty members propose the theme of the course and outline the format of the class. They organize the course, invite guest lecturers, lead primary discussions, give assignments, and evaluate students. The course includes intensive reading, writing, and research.

Offered: F/S.

HON 202 - Sophomore Honors Seminar (3)

The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course has an interdisciplinary theme. Designed for all sophomore-level or above Honors Program students. Faculty members propose the theme of the course and outline the format of the class. They organize the course, invite guest lecturers, lead primary discussions, give assignments, and evaluate students. The course includes intensive reading, writing, and research.

Offered: F/S.

HON 294/295 - Sophomore Class—Sophomore Honors Colloquia (1 credit hour per course)

An interdisciplinary approach is used in presenting themes and ideas which are related to and integrated

with everyday events, world concerns, service learning, debate, etc.

HON 301 - Junior Honors Seminar (3)

The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course has an interdisciplinary theme. The Honors Seminar may be taken by all junior-level or above and transfer students. Faculty members propose the theme of the course and outline the format of the class. They organize the course, invite guest lecturers, lead primary discussions, give assignments, and evaluate students. The course includes intensive reading, writing, and research. An oral presentation of the research work of this course must be presented at an on-campus research forum.

Prerequisite: Instructor's or Honors Program Director's written consent. Offered: F/S.

HON 302 - Junior Honors Seminar (3)

The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course has an interdisciplinary theme. The Honors Seminar may be taken by all junior-level or above and transfer students. Faculty members propose the theme of the course and outline the format of the class. They organize the course, invite guest lecturers, lead primary discussions, give assignments, and evaluate students. The course includes intensive reading, writing, and research. An oral presentation of the research work of this course must be presented at an on-campus research forum.

Prerequisite: Instructor's or Honors Program Director's written consent. Offered: F/S.

HON 394/395 - Junior Class—Junior Honors Colloquia (1 credit hour per course)

A thematic approach involving the "Great Ideas" (Justice, Love, Death, etc.) as a frame of reference.

HON 399 - Honors Independent Study (3)

Study of special topic(s) in consultation with, and completed under the supervision of, a member of the Honors faculty or another faculty member upon approval of the Director of the Honors Program and the Honors Council.

Prerequisite: Junior or Senior standing in the Honors Program. Offered: F/S.

HON 494 - Senior Honors Colloquium (3)

This course includes a Senior Honors Thesis/Research Project which must be approved by an advisor in the major Department with consent of the Honors Program Director and/or the Honors Council.

HON 495 - Senior Honors Colloquium (1)

This course is designed only for students to complete and defend the Senior Honors Thesis/Research Project begun in HON 494.

HON 499 - Honors Independent Study (3)

Study of special topic(s) in consultation with, and completed under the supervision of, a member of the Honors faculty or another faculty member upon approval of the Director of the Honors Program and the Honors Council.

Prerequisite: Junior or Senior standing in the Honors Program. Offered: F/S.

HPE - PHYSICAL EDUCATION COURSE DESCRIPTIONS

HPE 201 - Principles of Nutrition (3)

Basic course on the essentials of good nutrition, requirements of various food elements and diet patterns for specific age groups.

HPE 291 - Independent Study (3)

Individual study or research under direction of a faculty member. Study plan must be approved by the department chair.

Prerequisite: Consent of instructor.

HPE 292 - Independent Study (2)

Individual study or research under direction of a faculty member. Study plan must be approved by the department chair.

Prerequisite: Consent of instructor.

HPE 293 - Independent Study (3)

Individual study or research under direction of a faculty member. Study plan must be approved by the department chair.

Prerequisite: Consent of instructor.

INDS - INTERDISCIPLINARY STUDIES

INDS 300 - Introduction to Interdisciplinary Studies (3)

The gateway course for the Interdisciplinary Studies degree program. Students will engage with faculty and disciplines from across the Interdisciplinary Studies program and develop and justify a proposed degree pathway. Interdisciplinary thinking and global awareness will be emphasized.

Offered: F; S; SS.

INDS 400 - Capstone in Interdisciplinary Studies (3)

The capstone experience for students in the Interdisciplinary Studies program. This is a project-based course during which students will reflect on and justify their academic pathway with an interdisciplinary final project developed in coordination with the course instructor.

Offered: F; S; SS.

JOUR - JOURNALISM COURSE DESCRIPTIONS

JOUR 200 - Broadcast Laboratory (1)

Hands-on experience at WRVS campus radio station. Laboratory setting where students work in area of special interest under supervision of a radio station staff member. Students meet with instructor by appointment to discuss work. Students design the semester's work with faculty approval.

Offered: F; S; SS.

JOUR 346 - Journalism Laboratory (1)

Practical laboratory for News Media Concentration students and staff members of student publications. Provides basic learning and direct application to school/college newspapers, particularly in writing, editing, layout, and production of *The Viking Times*, the university newspaper. May be repeated.

Prerequisite: Consent of the instructor. Offered: F; S.

JOUR 347 - Publications Laboratory (1)

Practical laboratory for students at all academic levels. Provides basic learning and direct application to university/departmental publications. May be repeated.

Prerequisite: Instructor's written consent. Offered: F; S.

JOUR 349 - Mass Media (3)

Introduction to the history, techniques, and psychology of mass media and their impact on society.

Prerequisite: ENGL 103 or ENGL 105H. Offered: F.

JOUR 351 - Journalism I (3)

Basic elements of journalism, format of newspapers, and organization and writing of news and feature stories.

Prerequisite: GE 103 or GE 105H. Offered: F.

JOUR 352 - Journalism II (3)

Study and practice of news writing, copy editing, proofreading, page makeup, type structure, headlining, and arranging of stories, and feature writing.

Prerequisite: JOUR 351 or Instructor's written consent. Offered: S.

JOUR 449 - Photojournalism (3)

Covers basic and advanced techniques and principles of contemporary photojournalism, including film processing and printing, use of the camera, metering, action and sports photography, feature and spot news photography, use of the flash unit, and the photo essay.

Prerequisite: Photography I (ART 340) or equivalent experience, or instructor's written consent. Offered: S.

JOUR 451 - Broadcast Journalism (3)

Develops the critical thinking and decision-making skills needed to identify, research and develop dynamic news and feature stories for radio and television broadcasting. Covers news judgment, advanced broadcast writing and scripting, interviewing techniques, and developing and utilizing sources within a variety of environments, including news beats, computer-assisted reporting, and investigative journalism.

Prerequisite: JOUR 351 and MCOM 350 or instructor's written consent. Offered: F.

JOUR 499 - Seminar Internship (3-6)

Supervised field experience in news media. Includes newspaper and broadcast journalism, seminar sessions, and independent study.

Prerequisite: Completion of News Media sequence or the Department Chair's written consent. Offered: F; S; SS.

KIN - KINESIOLOGY COURSE DESCRIPTIONS

KIN 200 - Theory of Coaching Football (3)

Defensive and offensive strategies. Emphasizes team conditioning, care and purchase of equipment, and public relations. Open to all students.

Offered: F.

KIN 205 - Technology Application in Fitness and Wellness (3)

Exploration and examination of technology application relevant to recreation, fitness, wellness and sport. Emphasis will be placed on a hands-on approach exploring how various technologies, including Heart rate monitor, computing, multimedia & smart devices can be used in recreation, fitness and wellness and sport settings.

Offered: S.

KIN 265 - Leisure and Society (3)

An introduction to leisure as a significant force in contemporary life. The importance of leisure for individuals, groups and cultures is explored through social, technological, psychological, historical, philosophical, anthropological, and economic foundations.

Offered: S.

KIN 201 - Coaching Basketball (3)

Fundamental concepts of coaching basketball. Emphasizes offensive and defensive play, playing strategies, team conditioning, and learning rules. Open to all students.

Offered: F.

KIN 206 - Coaching Baseball/Softball (2)

Fundamental knowledge needed to coach basketball and softball. Emphasizes team organization, basic techniques, terminology, player selection, and game strategies. Open to all students.

Offered: S.

KIN 210 - Applied Anatomy and Physiology (3)

Survey of the interrelationships between specialized human body structures and their functions. Emphasizes skeletal, muscular, respiratory, circulatory, and nervous systems. Offered for Physical Education majors. Lecture: three hours.

Prerequisite: GE 155 and GE 155L. Offered: F.

KIN 210L - Applied Anatomy and Physiology Lab (1)

Laboratory investigations which stress anatomical and physiological aspects of humans. Laboratory: one hour.

Offered: F.

KIN 216 - Elementary Physical Education (3)

Introduces prospective physical education teachers to the unique needs and characteristics of young children in grades K-6. Special emphasis is placed on developmentally appropriate practice for educating students about motor skills, movement concepts, physical activity, fitness, personal and social responsibility, and valuing physical activity.

Offered: Spring.

KIN 230 - Sport Specific Coaching I (3)

This course is based on the National Standards for Sport Coaches and provides the coach with information needed for successful techniques of coaching for invasion, target games, net and wall games and related sports.

Offered: S (Every other year).

KIN 231 - Sport Specific Coaching II (3)

This course is based on the National Standards for Sport Coaches and provides the coach with information needed for successful techniques or coaching for striking, fielding, cooperative games and related sports.

Offered: S (Every other year).

KIN 239 - Introduction to Kinesiology (2)

Freshman Orientation class in Physical Education orients students to the history of physical education and the nature and scope of the field. The first theory course in the major course sequence. *Introductory course required of all majors.*

Offered: F.

KIN 242 - Teaching Team Sports (2)

Provides experience and practice in the skills and techniques of team sports. Includes football (flag), basketball, soccer, team handball, volleyball, and softball. *Required for Physical Education majors. Open to Physical Education majors only.*

Offered: F.

KIN 243 - Individual Sports (2)

Provides experience and practice in the skills and techniques of individual sports. Included are badminton, golf, and other individual and dual sports. *Required for all Physical Education majors. Open to Physical Education majors only.*

Offered: F.

KIN 300 - Exercise Physiology (3)

Analysis of human functions under stress of muscular activity. Provides a basis for study of physical fitness and athletic training.

Prerequisite: BIOL 215 or BIOL 307. Offered: S.

399 - Applied Techniques in Strength and Conditioning

KIN 307 - Teaching Lifetime Leisure Pursuits (2)

Teaches prospective physical education teachers how to teach lifetime leisure pursuits. Includes a variety of individual, dual, and team sports; cultural and social recreational activities; managing and planning leisure time; and an introduction to health-related fitness benefits associated with lifetime leisure pursuits.

Offered: F: S.

KIN 316 - Teaching Fitness Education (3)

Introduces prospective physical education teachers to health-related fitness foundations and components, basic training principles, appropriate curriculum for K-12 and effective teaching and assessment principles. Physical Best Health/Fitness Specialist Certification is an option for an extra fee.

Offered: F: S.

KIN 368 - Prevention and Care of Athletic Injuries (2)

Offers theory in conditioning and training for the prevention of athletic injuries as well as diagnostic procedures, massage, taping, hydrotherapy, and the handling of emergencies involving athletic injuries.

Offered: F.

KIN 370 - Kinesiology (3)

Action of muscles involved in fundamental movements, calisthenics, sports, and gymnastics.

Offered: F.

KIN 371 - Psychology of Coaching (3)

Deals with the psychological aspects of motivation and personality management as they relate to the coaching profession. Emphasizes the role of the coach in determining the behavioral conduct of the team and staff.

Offered: F.

KIN 375 - Management of Physical Education and Athletic Programs (3)

An introduction to the basic processes of management in physical education and athletics. Special emphasis on the problem solving/decision making process as related to managerial control, budgetary procedures, cost containment techniques, and the selection, utilization, and control of physical space, supplies, equipment, and environment.

Offered: F.

KIN 379 - Lifestyle, Weight Management, and Health Coaching (3)

Provide content knowledge and practical experience in basic nutrition, behavior change, exercise, and health psychology. ACE certification exam prep

Offered: Spring.

KIN 380 - Sports Officiating I in Football & Basketball (3)

The psychology and techniques of officiating. Mastery of knowledge of the rules will be required on a written test and in a practicum situation. Open to all students.

Offered: F.

KIN 382 - Curriculum, Teaching, and Assessment (3)

Students will be introduced to the principles of curriculum design and assessment techniques in Physical Education and Health. Major emphasis will be placed on planning, organization, implementation and evaluation of educational lessons.

Offered: Fall.

KIN 383 - Aquatic & Fitness Instruction (3)

Emphasizes endurance swimming, water activities, games and sports to develop a cardiovascular fitness program in aquatics. Required for all PE majors

entered into the Aquatic Fitness Track. Open to all students.

Prerequisite: GE 175. Offered: S; SS.

KIN 388 - Lifesaving (3)

Provides an opportunity to develop skills and knowledge in water safety swimming and rescue techniques that will enable students to save themselves and others in the event of accident. An elective course for the general student body that can be used to meet the physical education requirements in General Education.

Prerequisite: GE 175 or Department Chair's written consent. Taught by ARC guidelines. Offered: F; S.

KIN 390 - Water Safety (3)

Provides students with theory and practice in the use of methods, materials, and techniques in teaching swimming. Required course for students in the Aquatics Fitness track. Open to other students. Taught according to ARC guidelines.

Prerequisite: KIN 300, KIN 370, may take these concurrently or with instructor permission. Offered: F; S; SS.

KIN 401 - Motor Learning and Motor Behavior (3)

Basic concepts underlying motor learning including neurophysical bases, feedback, perception, and other factors influencing rate, behavior, and amount of learning. Normally taken during the senior year, it is required of all Physical Education majors.

Prerequisite: BIOL 306, PE 382, PE 370, and PE 300. Offered: F; SS.

KIN 405 - Biomechanics (3)

Application of physical laws and mechanical principles to the human musculoskeletal system with an emphasis placed on critical thinking skills, and evaluation of joint angles as applied to movement and sport.

Offered: F.

KIN 420 - Wellness Programming and Administration (3)

This course provides an overview of principles relating to corporate wellness administration, including marketing, market research, screening, implementation of fitness and wellness programs to individuals, groups, centers and corporate settings.

Offered: S (every odd spring).

KIN 421 - Facilities in Recreation, Events, Fitness and Wellness (3)

This course is designed to provide future sport facility and event managers with theoretical and practical knowledge in green facility planning, construction, operation, maintenance and numerous issues confronting sport industry professionals and organizations today. Topics related to the event management side of the industry will also be covered, with special attention paid to event planning, marketing operation activation and sponsorship.

Offered: S.

KIN 430 - Nutrition and Fitness and Sport (3)

Targets nutrition as a means to enhance performance in sport and recreational activity. Discusses nutrient timing, energy metabolism, weight control, and carbohydrate loading.

Offered: S (Even years).

KIN 435 - Scientific Basis of Health for Older Adults (3)

Study of age associated physical changes and the effects of the physiology of exercise and lifestyle choices on the aging process.

Offered: F (Odd years).

KIN 448 - Exercise Prescription for Chronic Disease (3)

An overview of the pathophysiology of common diseases with a focus on the design, implementation and administration of exercise prescription for special populations with chronic disease.

Offered: F (even years).

KIN 403 - Research in Physical Education (3)

Conducting and evaluating research as an independent study opportunity on special problems or issues relating to physical education or other areas of interest. For individuals needing elective or refresher credits.

Prerequisite: Instructor's written consent. Open to all students. Offered: F; S; SS.

KIN 407 - Group Exercise Instruction (3)

Provide practical experiences in teaching group fitness exercises, including hi/lo, step, interval, and resistance training. Ace certification exam prep.

Offered: Fall.

KIN 416 - Advanced Kinesiology and Biomechanics (3)

This course bridges the gap between knowledge gained in curriculum coursework and practically applies that knowledge into the skills necessary to obtain a certification in personal training. It delves deeper into anatomy, kinesiology, and biomechanics correlating theory into safe and effective resistance training programs. Successful completion of this course will prepare the student for passing a national certification exam in personal training.

Prerequisite: KIN 300, KIN 370, may take these concurrently or with instructor permissions. Offered: S.

KIN 447 - Exercise Prescription and Testing (3)

Required course for all PE majors, to reinforce the basic principles of exercise physiology and to acquire skills necessary for exercise testing and conducting fitness assessments to be used for writing exercise prescriptions based on the needs of the individual. A three hour lab accompanies this course.

Prerequisite: MUS take KIN 447 Lecture and KIN 447 Lab concurrently. Offered: F.

KIN 447L - Exercise Prescription and Testing Lab (1)

Required course for all PE majors, to reinforce the basic principles of exercise physiology and to acquire skills necessary for exercise testing and conducting fitness assessments to be used for writing exercise prescriptions based on the needs of the individual. This is a three hour lab which accompanies the three (3) credit course PE 447.

Prerequisite: Must take KIN 447 Lecture and KIN 447 Lab concurrently. Offered: F.

KIN 470 - Adapted Physical Education (3)

The Capstone course for Teaching Physical Majors. Assists the physical educator in developing skills and adaptive behaviors needed to determine and integrate the appropriate mechanics needed to maximize student potential. *Normally taken during the junior year, it is required of all Physical Education majors. Open to all students.*

Offered: S; SS.

KIN 471 - Professional Seminar In Health Care Management (3)

Provides opportunity to identify and discuss common problems and possible solutions of current and emerging challenges in organizing and financing the

managerial functions in health care, more specifically, physical and occupational therapy.

Prerequisite: Restricted to students who are enrolled in the internship course (PE 495) or have the instructor's written consent. Offered: F.

KIN 478 - Swimming Pool Operation and Maintenance (3)

This course is designed to teach students essential information and knowledge about swimming pool operation and management that will enable them to properly maintain and operate an aquatics facility. There is an option to earn certification through the American Swimming Pool & Spa Association. This certification is an optional extra charge of \$35.00. You must earn a 70% or higher on the American Swimming Pool & Spa Association standardized test to earn your certification. Course assignments, points, and schedule are subject to change however the course grading scale will always coincide with the ECSU 10% grading scale.

KIN 491 - Kinesiology Field Experience I (3)

The experience benefits the students by allowing them to apply college training in an everyday job situation while continuing to earn college credits. Students will have the opportunity to choose from a variety of settings related to their major. This course requires 135 hours of onsite experience supervised by a professional in the field. *American Red Cross First Aid, CPR, and AED certification is required.*

Prerequisite: HLTH 101 and KIN 368. Offered: F.

KIN 492 - Kinesiology Field Experience I (3)

The experience benefits the students by allowing them to apply college training in an everyday job situation while continuing to earn college credits. Students will have the opportunity to choose from a variety of settings related to their major. This course requires 135 hours of onsite experience supervised by a professional in the field. *American Red Cross First Aid, CPR, and AED certification is required.*

Prerequisite: HLTH 101 and KIN 368. Offered: S.

KIN 493 - Kinesiology Field Experience I (3)

The experience benefits the students by allowing them to apply college training in an everyday job situation while continuing to earn college credits. Students will have the opportunity to choose from a variety of settings related to their major. This course requires 135 hours of onsite experience supervised by

a professional in the field. *American Red Cross First Aid, CPR, and AED certification is required.*

Prerequisite: HLTH 101 and KIN 368. Offered: SS.

KIN 495 - Practicum In Physical/Occupation Therapy (8)

Supervised field placement in a health care institution under a qualified PT, OT, or physician for a minimum of 125 hours. An additional 75 hours will be spent in a health care facility related to the student's career interest.

Offered: F; S; SS.

KIN 496 - Supervised Field Work In Coaching and Officiating (8)

Practical experience in coaching on the club level for 100 hours or the equivalent subject to the discretion of the site supervisor. An additional 100 hours will be spent officiating seasonal sports on an intramural varsity or club level under a certified official or supervisor.

Offered: F; S; SS.

KIN 499 - Aquatic & Fitness Internship (8)

A supervised field experience of 200 hours in applied commercial or institutional private fitness centers.

Prerequisite: Teacher's written consent. Offered: F; S; SS.

LATN - FRENCH COURSE DESCRIPTIONS

LATN 101 - Introductory Latin (3)

This course introduces students to the basics of basic Latin vocabulary, syntax, and grammar, as well as translation skills from Latin to English and English to Latin.

Offered: F,S.

LATN 102 - Introductory Latin II (3)

This course builds upon the concepts of vocabulary, grammar, and syntax taught in Introductory Latin I, and introduces students to more complex concepts such as the subjunctive mood, participles and infinitives, as well as more advanced readings and translations.

Offered: F,S.

MAS - MARINE ENVIRONMENTAL SCIENCE COURSE DESCRIPTIONS

MAS 111 - Introduction to Marine Sciences (3)

An introduction to the physical, chemical, geological, and biological processes of the ocean and interactions with adjacent waters, ocean environment, and configuration of the ocean floor. Lecture: (3) hours.

MAS 224 - Marine and Coastal Resources (3)

An introduction to the resources and economic potential of the marine and coastal environment. Topics include the search for and recovery of petroleum, metals, gemstones, bulk materials for construction, and agriculture and the ocean's biological wealth. Lecture three (3) hours.

Offered: F.

MAS 226 - Beach and Island Environments (3)

Examines the marine processes to which these coastal ecosystems are constantly subjected. Explores the importance of these regions to the human population and delicate balance that is needed to achieve the sustainable development of these regions. Lecture three (3) hours.

Offered: S.

MAS 330 - Marine Geology (3)

The formation and evolution of the world's ocean and coastal regions, focusing on their geologic setting and their responses to natural processes and human activities. Lecture three (3) hours.

Prerequisite: GE 155 or GE 158L. Offered: F.

MAS 331 - Marine Biology (3)

Physical, chemical, and biological processes emphasizing adaptation of marine organisms. Lecture: (3) hours.

Prerequisite: BIOL 101, BIOL 102. Offered: S.

MAS 333 - Wetland and Ocean Chemistry (4)

An overview of the various chemical processes that determine the environmental characteristics of wetland and ocean waters. Lecture three (3) hours; Lab two (2) hours.

Prerequisite: CHEM 101L; CHEM 102L. Offered: S.

MAS 340 - Field Internship (4)

Field work at an accredited facility such as a Marine Laboratory.

Prerequisite: MAS 331 and instructor's written consent. Offered: SS.

MAS 401 - Global Geochemical Cycles (3)

A seminar course evaluating the global geochemical cycle of carbon, nitrogen, water, and sulfur with emphasis on their impact of global climate. Lecture: (3) hours.

Prerequisite: CHEM 101L; CHEM 102L. Offered: F.

MAS 402 - Physical Oceanography (3)

Physical processes of the oceans, the dynamics of waves, tides, current, and transmission of light and sound. Lecture (3) hours; Field Trips.

Prerequisite: MAS 331; PHYS 182L. Offered: S.

MAS 420 - Marine Vertebrates (3)

Comparative physiology of marine animals with emphasis on responses of organisms to environmental factors. Lecture three (3) hours.

Prerequisite: BIOL 101, BIOL 102. Offered: F.

MAS 421 - Marine Invertebrates (3)

Structure, function, and development of marine invertebrates. Lecture three (3) hours.

Prerequisite: BIOL 101, BIOL 102. Offered: F.

MAS 422 - Marine Microbiology (3)

Morphology, reproduction, life history, and environment for the growth of benthic and planktonic marine life. Lecture: (3) hours.

Prerequisite: BIOL 101, BIOL 102. Offered: S.

MAS 425 - Independent Study (3)

Prerequisite: At least junior level with written consent from the appropriate instructor. Offered: S.

MAS 433 - Geological Oceanography (3)

The geology of ocean basin, including origin, bottom physiography, sediment distribution, and sedimentary processes. Lecture: (3) hours; Field Trips.

Prerequisite: GE 158L or MAS 111 and PHYS 181L; PHYS 182L. Offered: F.

MAS 440 - Hydrology of Coastal Water (3)

The discharge and current activity of coastal waters including estuaries, wetlands, and marine environment factors affecting water quality and ecological imbalance. Field oriented seminar course.

Prerequisite: CHEM 101L; CHEM 102L; MAS 331. Offered: F.

MAS 441 - Estuarine Environment (3)

Chemistry, microbiology, and pollution of estuaries, wetlands, and marine coastal waters. Lecture three (3) hours.

Prerequisite: CHEM 101L; CHEM 102L; MAS 331. Offered: F.

MAS 442 - Coastal Urbanization and Land Use Planning (3)

Review of the growth of the coastal urban areas, particularly North Carolina problems, practice, and policies of developing coastal urban area. Lecture three (3) hours.

Prerequisite: MAS 331 and GEOL 331 or MAS 330; Field Trips. Offered: S.

MAS 443 - Coastal and Marine Conservation (3)

Study of the resources found in coastal and marine waters; how human activities affect those resources; and the science and policies used to manage those resources. Lectures three hours.

Prerequisite: GE 158; GEOL 332 or MAS 331. Offered: F.

MAS 450 - Research in Marine Science I (1-3)

Directed research in marine science supervised by the faculty (written consent of instructor).

Offered: F; S; SS.

MAS 451 - Research in Marine Science II (1-3)

Directed research in marine science supervised by the faculty (written consent of instructor).

Offered: F; S; SS.

MATH - MATHEMATICS COURSE DESCRIPTIONS

MATH 114 - Math for Liberal Arts (3)

A survey course in mathematics for liberal arts students. Course covers an introduction to many topics including problem-solving, consumer

mathematics, sets, algebra, geometry, probability, and statistics, voting methods and flaws of voting methods. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE.

Offered: F; S.

MATH 115 - College Algebra (3)

Fundamental algebraic ideas; equations and inequalities, functions and graphs, linear and quadratic functions, and polynomial and rational functions. Emphasizes calculator and computer use and modeling of problems.

Prerequisite: GE 109 or Mathematics Placement Test. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S; SS.

MATH 118 - Precalculus (3)

Exponential and logarithmic functions, trigonometric functions, analytic trigonometry, trigonometric applications, and sequences and series. Emphasizes calculator and computer use and modeling of problems.

Prerequisite: GE 115 or Mathematics Placement Test. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F;S;SS.

MATH 121 - Number Systems and Algebra (3)

Designed for prospective elementary and middle school teachers. Emphasis on numeric and algebraic concepts, with applications to teaching. Topics include: sets; number systems and operations and properties of number; equations and inequalities; functions and graphs; appropriate use of technology; historical/cultural perspectives.

Prerequisite: Department Chair's written consent. Offered: F; S.

MATH 122 - Geometry and Data Analysis (3)

A second course designed for prospective elementary and middle school teachers. Topics covered include: basic data analysis and statistics; measurement and problem in solving geometry; a study of geometric concepts and construction of geometric figures; logical arguments.

Prerequisite: MATH 121. Offered: F; S.

MATH 153 - Applied Calculus (3)

Limits, differentiation, indefinite, and definite integrals with applications in business, economics, management, and behavioral sciences. The emphasis

will be on an intuitive understanding gained from a graphical approach as opposed to a rigorous mathematical treatment.

Prerequisite: C or better in GE 118. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S; SS.

MATH 165 - Calculus of Single Variable I (4)

Limits and their properties, differentiation, indeterminate forms, definite integrals, fundamental theorem of calculus, applications of derivatives and integrals and use of computational tool.

Prerequisite: C or better in GE 118. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S.

MATH 262 - Discrete Methods (3)

Sequences, summations, algorithm design and analysis including computational complexity, counting techniques, mathematical induction and recursion, recurrence relations/functions and recursive algorithms, combinatorics, graphs, trees, and applications.

Prerequisite: GE 118 Precalculus and CSC 114 Introduction to Computer Science. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: S.

MATH 265 - Calculus of Single Variable II (4)

Techniques and applications of integration, Improper integrals, conic sections, parametric equations and polar coordinates, sequences, series, power series, Taylor's Theorem, and use of computational tools.

Prerequisite: MATH 165 or 3 and above score in AP Calculus AB exam. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S.

MATH 267 - Calculus of Several Variables III (4)

Vector algebra, and vector functions. Functions of several variables, partial derivatives, gradients, directional derivatives, maxima, and minima. Multiple integration. Line and surface integrals, Green's Theorem, Divergence Theorems, Stokes' Theorem, and application and use of computational tools.

Prerequisite: MATH 265 or 3 and above score in AP Calculus BC exam. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S.

MATH 275 - Foundations of Mathematics (3)

Development of theoretical tools for rigorous mathematics; Topics include: proof techniques, sets, logic, functions, relations, countable and uncountable sets. Gives students an introduction to the major and to provide the basic knowledge, overview and foundation for the curriculum.

Prerequisite: MATH 165. Offered: S.

MATH 345 - History of Mathematics (3)

(formerly MATH 451) A survey of the historical development of mathematics. The emphasis will be on mathematical concepts, problem solving, and pedagogy from a historical perspective.

Prerequisite: MATH 153 or MATH 165. Offered: S.

MATH 350 - Number Theory (3)

Integers, numbers in other bases, primes, greatest common divisors and Euclidean Algorithm, Diophantine Equations, congruences, applications of congruences, Wilson's, Fermat's, and Euler's theorems, multiplicative functions, and continued fractions.

Prerequisite: GE 118. Offered: F.

MATH 351 - Linear Algebra (3)

Systems of linear equations and matrix theory, finite dimensional vector spaces, and linear transformations. Applications of linear algebra to social, biological, and physical sciences.

Prerequisite: MATH 153 or MATH 165. Offered: F; S.

MATH 352 - College Geometry (3)

A survey of topics in advanced geometry from three historical perspectives: synthetic, analytic, and transformational. Topics include advanced results in Euclidean geometry, axiomatics of Euclidean geometry, axioms and results in non-Euclidean geometry, an introduction to projective geometry, the use of coordinates, and insights gained from transformations. Use of Geometric Sketchpad software.

Prerequisite: GE 118. Offered: F.

MATH 354 - Abstract Algebra I (3)

Binary operations, equivalence relations, groups, cyclic and symmetric groups, subgroups, Lagrange's theorem, homomorphisms and normal subgroups,

factor groups, isomorphism theorem, and direct products.

Prerequisite: MATH 275 and MATH 351. Offered: F.

MATH 358 - Differential Equations (3)

(formerly MATH 458) Ordinary differential equations of first order, higher order linear equations, Laplace transform methods, and numerical solution of differential equations. Applications to physical sciences and engineering. of solution of ordinary differential equations of the first order and of higher orders. Applications of ordinary differential equations in physics, geometry, chemistry and biology. Use the computer for the numerical solution of differential equations.

Prerequisite: MATH 267. Offered: S.

MATH 360 - Applied Cryptography & Data Security (3)

Elementary concepts in cryptography; classical cryptosystems; modern symmetric cryptography; public key cryptography; digital signatures, authentic schemes; modular arithmetic, primality testing.

Prerequisite: MATH 262 or MATH 275 or consent by instructor. Offered: F.

MATH 365 - Exit Seminar for Juniors (2)

This course is designed to review all junior-level mathematics courses.

Prerequisite: Junior standing or Consent of Department Chairperson. Offered: S.

MATH 366 - Complex Variables (3)

Analytic functions, elementary functions, integrals, power series, residues, and conformal mapping.

Prerequisite: MATH 267. Offered: F.

MATH 400 - Operations Research Techniques (3)

Linear and non-linear programming, decision-making under uncertainty, some models for networks, inventory management, and waiting lines.

Prerequisite: MATH 351 and STAT 251/STAT 351. Offered: S.

MATH 410 - Linear Optimization (3)

This course develops the techniques used in linear programming such as the simplex method and the duality method. Linear programming techniques will be applied for solving real-world-decision optimization problems.

Prerequisite: MATH 351. Offered: F; S.

MATH 452 - Internship (3)

Students engage in supervised mathematics-related experience with academia, industry or government. Evaluation to be based on written reports by instructor.

Prerequisite: Internship offer, Junior standing, and consent of chairperson. Offered: SS.

MATH 454 - Abstract Algebra II (3)

Fundamental Theorem of Finite Abelian Groups, Sylow theorem and its application, introduction to rings and fields, ideals, factorization, extension of fields, automorphisms, and Galois theory.

Prerequisite: MATH 354. Offered: S.

MATH 455 - Elements of Real Analysis (3)

Rigorous development of the real number system and the theory of Calculus on the real number line.

Topics include: sequences and series, limits and continuity, the derivative, and the Riemann Integral.

Prerequisite: MATH 267 and MATH 275. Offered: S.

MATH 456 - Contemporary Issues in Math Education (3)

Lectures and discussion on various issues in mathematics education, surveying trends, and developments with emphasis on content, meaning, methods, current status, and implications for the profession.

Prerequisite: Consent of Department Chair. Offered: Upon Request.

MATH 459 - Special Studies/Seminars in Mathematics (1-3)

Independent or small-group study in selected areas of mathematics, culminating in approved project or research paper. (This also may be used for organizing workshops or academic-year institutes for mathematics teachers of high schools and junior high schools.) These courses may be repeated.

Prerequisite: Consent of Department Chairperson. Offered: Upon Request.

MATH 462 - Mathematical Modeling (3)

Basic techniques for model formulation and model analysis in physical phenomena, engineering applications as well as biological systems will be considered. The main focus is on modeling dynamical systems using differential equalities and a system of differential equations.

Prerequisite: MATH 358. Offered: F.

MATH 466 - Exit Seminar in Mathematics (2)

The first component of the capstone course for mathematics majors. This course will provide the student the opportunity to demonstrate their accumulated knowledge, skills, and growth in the major. Review of upper level mathematics topics culminating in an exit test.

Prerequisite: Senior standing. Offered: F.

MATH 467 - Senior Capstone (3)

The Capstone course for Mathematics majors. Designed to give students the opportunity to demonstrate their accumulated knowledge, skills and growth in the major. Review of Computer Algebra Systems, written and oral report required.

Prerequisite: Senior Standing. Offered: F.

MCOM - MASS COMMUNICATIONS COURSE DESCRIPTIONS

MCOM 250 - Introduction to Broadcasting (3)

An introduction to modern electronic media including radio and television, cable, home video, the Internet, and new media. Examines the historical foundations of broadcast media formats. Other topics include how media are regulated, ratings and audience feeD.B.A.ck, media effects, and the international media scene.

Prerequisite: GE 103 or GE 105H. Offered: S.

MCOM 347 - Mass Communication Theory and Research (3)

Review of communication concepts and theories in communication research methodology. Introduction to theory construction, mass communication research, literature, and related research techniques.

Prerequisite: ENGL 317, MCOM 250. Offered: F.

MCOM 353 - Radio Production (3)

Exposure to every facet of radio production. This course familiarizes students with the care and upkeep of production equipment and the proper way to use each piece of equipment in the studio. Students will be given various production assignments, beginning with simple tasks and progressing to intermediate and advanced assignments.

Prerequisite: MCOM 250. Offered: S.

MCOM 354 - Advanced Radio Production (3)

Exposes students to a more technical level of radio production. This course begins where Radio Production 353 concluded. By mid-semester students will be able to perform all production tasks, including sound effects, hominizer techniques, and fully computerized production.

Prerequisite: MCOM 353. Offered: F.

MCOM 355 - Television Production (3)

An introduction to the fundamentals of operating audio and video equipment in the studio. The course provides a basic understanding of the terms used and the crew position responsibilities in a studio setting. Operational skills are developed through several structured laboratory exercises.

Prerequisite: MCOM 250. Offered: F.

MCOM 356 - Advanced Television Production (3)

Allows students to work individually and gain more in-depth knowledge of all phases of television production. Students learn the advanced features and functions of audio and video equipment, focusing on post-production activities that emphasize editing and graphics.

Prerequisite: MCOM 355. Offered: S.

MCOM 357 - Introduction to Public Relations (3)

Introduction to the theories and practices of public relations, advertising and writing for public relations and advertising.

Prerequisite: JOUR 351. Offered: F; S.

MCOM 358 - Advanced Public Relations and Advertising (3)

Advanced theory and practice of public relations and advertising development. Practical application of management to public relations and advertising techniques, strategies, and campaign development.

Prerequisite: MCOM 357. Offered: S.

MCOM 361 - Television Appreciation (3)

An introduction to the appreciation of feature television, with concentrations on genres and criticism. Emphasizes representative American television programming from the "golden age" of television of the mid-20th century to the present. Includes viewing representative television programs from various genres and eras.

Prerequisite: MCOM 250 and JOUR 349, or instructor's written consent. Offered: F; S.

MCOM 400 - Print & Broadcast Management (3)

Provides detailed descriptions of job positions in the print and broadcast industry. Students tour print and broadcast facilities to learn about print and broadcast managers and how they do their jobs. Role-playing activities will demonstrate how managers handle particular situations.

Prerequisite: MCOM 350; MCOM 354; MCOM 356. Offered: F.

MCOM 450 - Media Law and Ethics (3)

Introduces First Amendment doctrines and issues that impact freedom of expression. While international standards and variations are also covered, the course focuses on applications of the law with respect to the challenges and responsibilities of the working journalist in the U.S.

Prerequisite: JOUR 349, MCOM 250; MCOM 347. Offered: F.

MCOM 479 - Special Topics and Studies in Mass Communications (3)

Advanced study and analysis in Mass Communication, including problems and case studies. This course features different topics and may be repeated for credit.

Prerequisite: JOUR 349; MCOM 250; MCOM 347; or instructor's written consent. Offered: F; S.

MCOM 498 - Internship (3-6)

Supervised field experience in mass communication: television and radio broadcasting.

Prerequisite: Instructor's written consent. Offered: F, S.

MCOM 499 - Broadcast Seminar (3)

Advanced study and analysis of broadcasting, including problems and situations involving management of a broadcast enterprise. Topics include legal and ethical questions, personnel matters, government regulations, programming, and sales.

Prerequisite: Graduating senior. Offered: F, S.

MIS - MILITARY SCIENCE COURSE DESCRIPTIONS

MIS 101 - Basic Military Science I (2)

Study of the mission of the Reserve Officers' Training Corps and an orientation to the organization and roles of the U.S. Army and the customs and traditions of the service, leadership, and basic first aid. One and one-half hours of Leadership Laboratory per week.

Offered: F, S.

MIS 102 - Basic Military Science II (2)

Study of basic map reading, military correspondence, preventive medicine, and first aid. One and one-half hours of Leadership Laboratory per week.

Offered: S.

MIS 201 - Applied Leadership and Management I (2)

Study of basic military skills, organization for teamwork, and practical application to develop leadership and management techniques. Emphasizes self-discipline, knowledge of military subjects, and development of military skills. One and one-half hours of Leadership Laboratory per week.

Offered: F.

MIS 202 - Applied Leadership and Management II (2)

Study of Army leadership doctrine, oral and written communication, basic military skills, and practical application to develop leadership skills. Emphasizes self-discipline and application of military knowledge during realistic practical exercises. One and one-half hours of Leadership Laboratory per week.

Offered: S.

MIS 236 - Leader's Training Course (4)

Four-week summer course conducted at Fort Knox, Kentucky. Provides training in lieu of the Basic Course and is designed to qualify students for the ROTC Advanced Course. Application for Leader's Training Course (LTC) must be submitted to the Department of Military Science.

Offered: SS.

MIS 301 - Leadership and Management I (3)

Instruction in and application of military leadership, physical training, military training, and land

navigation. One and one-half hours of Leadership Laboratory per week.

Prerequisite: Basic Course or equivalent credit.

Offered: F.

MIS 302 - Leadership and Management II (3)

Study of small-unit tactics, oral and written communication, advanced military skills, and practical application to develop leadership skills. Emphasizes teamwork, self-discipline, confidence, and application of leadership skills during realistic practical exercises. One and one-half hours of Leadership Laboratory per week.

Prerequisite: Basic Course or equivalent credit.

Offered: S.

MIS 303 - U.S. Military History (3)

Survey of American military history from 1759 to present. Study of the American attitude toward war, the European influence, civil-military relationships and the impact of technology on operations and tactics. May be taken by non-cadets for elective course credit without military obligations.

Offered: F, S.

MIS 401 - Advanced Leadership and Management I (3)

Study of training management, Army officer professionalism and ethics, and the conduct of unit meetings and conferences to develop leadership and management techniques. Emphasizes the importance of prior preparation and self-confidence during realistic practical exercises. One and one-half hours of Leadership Laboratory per week.

Prerequisite: MIS 301, MIS 302. Offered: F.

MIS 402 - Advanced Leadership and Management II (3)

Leadership and management in the contemporary military environment, including oral communications, the administration of Military Justice, the rules of war, and an orientation to U.S. Army personnel support activities. Improves the student's ability to prepare effective staff studies, battle analysis, and briefings. Learn military commanders, strategies, and tactics. Leadership Laboratory periods continue to develop the practical experiences begun in earlier courses.

Prerequisite: MIS 301, MIS 302, MIS 401. Offered: S.

MNGT - MANAGEMENT COURSE DESCRIPTIONS

MNGT 221 - Principles of Management (3)

Study of management principles that apply to all types of business, government, and nonprofit organizations with special emphasis on planning, organizing, leading, controlling, and working in teams.

Prerequisite: BUAD 115 with a C or higher. Offered: F, S, SS.

MNGT 321 - Human Resource Management (3)

Introduction to fundamental theory and practices relating to interviewing, hiring, training, scheduling, placing, supervising, compensating, evaluating, promoting, and dismissing personnel.

Prerequisite: MNGT 221 with a C or higher. Offered: F, S, SS.

MNGT 322 - Organizational Behavior (3)

Emphasis on development of the understanding and knowledge of organizational settings. Instruction directed toward organizational behavior as a necessary ingredient of managerial effectiveness and understanding major theoretical and methodological approaches to studying behavior in organizations.

Prerequisite: MNGT 221 with a C or higher. Offered: F, S.

MNGT 345 - Leadership and Teamwork (3)

Provides an understanding of the theory and practice of leadership in organizations, as well as the theory and practice of teamwork. Provides opportunities to expand leadership skills and learn more about working in and leading teams.

Prerequisite: MNGT 221, and MNGT 322, each with a C or higher. Offered: F15, then S.

MNGT 398 - Special Topics in Management (3)

Topics of special interest to business students may be offered, or in response to a request by a group of students for a specific course not otherwise available. The students conduct study of these topics as business electives.

Prerequisite: Junior or Senior standing and permission of the instructor and department chair. Offered: F, S, SS.

MNGT 421 - Operations Management (3)

Principles and techniques underlying production and operations management. Topics include inventory/materials control, quality control, production methods and control, facilities, and supply chain management. These topics will be integrated using a systems approach to organizations' operations.

Prerequisite: ECON 260 or MATH 165 with a C or higher. Offered: F, S, SS.

MRKT - MARKETING COURSE DESCRIPTIONS

MRKT 231 - Principles of Marketing (3)

Survey of marketing organization and methods in the socio-economic system with discussion on pricing, promotion, production, distribution of goods and services, consumer problems, institutions, and methods and policies.

Prerequisite: BUAD 115 with a C or higher. Offered: F, S, SS.

MRKT 331 - Advertising and Promotion (3)

Studies promotions as persuasive communication. Examines promotion management and its relationship to the overall marketing program. Primary emphasis on advertising, sales promotion, personal selling, consumer and market information, message appeals, media selection and scheduling, and measuring effectiveness.

Prerequisite: MRKT 231 with a C or higher. Offered: F.

MRKT 332 - Consumer Behavior (3)

Analysis of the social, cultural, and psychological factors influencing the behaviors of consumers. Special emphasis on behavioral patterns, market segmentation research, attitude formation and change, brand loyalty, adoption of innovations, and store choice decisions.

Prerequisite: MRKT 231 with a C or higher. Offered: F; S.

MRKT 333 - Sales (3)

Covers the role and activities of the sales manager in modern marketing. Nature and importance of the selling function in organization, effective sales

techniques, and managerial tasks of designing, developing, directing, and compensating sales force. Management activities include recruiting, testing, selection, training, motivation, compensation, and evaluation for effectiveness.

Prerequisite: MRKT 231 with a C or higher. Offered: F.

MRKT 365 - Marketing Research (3)

Students gain hands-on experience in the understanding and use of appropriate tools and techniques for analyzing, interpreting, and presenting information derived from marketing databases. Includes problem definition and solution approach to marketing research decisions.

Prerequisite: ECON 260 with a C or higher. Offered: F.

MRKT 398 - Special Topics in Marketing (3)

Topics of special interest to business students may be offered, or a request by a group of students for a specific course not otherwise available. The students conduct study of these topics as business electives.

Prerequisite: Business Administration major, junior or senior standing and the department chair's written consent. Offered: F, S, SS.

MRKT 431 - Retailing (3)

Analysis of factors underlying successful operation of retail store including location and design, stock arrangement, buying and selling, advertising and display, merchandise planning and control, retail market and financial analysis, personnel management, customer relations, and non-store and service retailing.

Prerequisite: MRKT 231 with a C or higher. Offered: S.

MRKT 432 - Marketing Management (3)

Studies the marketing function and its relationship to the total business organization and its environment. Emphasis is placed on the design of marketing strategies and systems. This is a case method course with readings from trade and academic journals to enhance understanding. Students learn application of the tools of analysis and critical thinking to the strategic challenges marketers face.

Prerequisite: MNGT 221, MRKT 231, MRKT 332, and either MRKT 331, or MRKT 431, each with a C or higher. Offered: S.

MUSA - MUSIC, APPLIED COURSE DESCRIPTIONS

010-090

MUSA 011-094 - Applied Music for Non-Music Majors (1)

Private instruction for the following instruments: piano, voice, winds, percussion and strings covering stylistic interpretation, performance health, sight-reading and improvisational techniques. One-hour credit will be given based on one 25-minute lesson and four hours practice per week.

Piano MUSA 011

Voice MUSA 025

Flute MUSA 039

Oboe MUSA 043

Clarinet MUSA 048

Bassoon MUSA 054

Saxophone MUSA 058

Trumpet MUSA 062

French Horn MUSA 090

Trombone MUSA 070

Cello MUSA 076

Baritone Horn MUSA 066

Tuba MUSA 094

Percussion MUSA 033

Double Bass MUSA 077

Violin MUSA 074

Guitar MUSA 088

Viola MUSA 075

Prerequisite: By audition only and by permission of instructor. Offered: F, S.

MUSA 311-394 - Applied Music (1 or 2)

Private instruction for the following instruments: piano, voice, winds, percussion and strings covering stylistic interpretation, performance health, sight-reading and improvisational techniques. Students in one-credit sections receive a 25-minute lesson, with the exception of Music Education majors, who

receive a 50-minute lesson. All students in two-credit sections receive a 50-minute lesson. Music faculty members adjudicate all Final Examinations.

Piano MUSA 311
Voice MUSA 325
Flute MUSA 339
Oboe MUSA 343
Clarinet MUSA 348
Bassoon MUSA 354
Alto Saxophone MUSA 358
Trumpet MUSA 362
French Horn MUSA 390
Trombone MUSA 370
Baritone Horn MUSA 366
Tuba MUSA 394
Percussion MUSA 333
Violin MUSA 374
Viola MUSA 375
Cello MUSA 376
Double Bass MUSA 377
Guitar MUSA 388

Prerequisite: By audition only and the instructor's written consent. Offered: F; S.

MUSA MUSA 311T-394T - Applied Music for Music Education Licensure Students (1)

Private Instruction for students in the Music Education Licensure Concentration on the following instruments: piano, voice, winds, percussion and strings, covering stylistic interpretation, performance health, sight-reading and improvisational techniques. This course will also focus on additional performance skills needed by prospective teachers. One-hour credit will be given based on one 50-minute lesson and four hours practice each week.

Offered: F or S.

MUSA 365 - Applied Composition (2)

Private instruction for composition covering writing for solo instruments, voice, chamber ensembles, and/or large ensembles. Emphasis on aesthetic choices, melodic forms and organization of musical ideas. Performance of composition projects is integral. Two credit hours= 50 minute lesson.

Prerequisite: By audition only and by permission of instructor; prerequisites are identical to the prerequisites for all MUSA courses. Offered: F OR S.

MUS - MUSIC COURSE DESCRIPTIONS

MUS 015 - University Basketball Band (0 or 1)

The University Basketball Band fosters school spirit at basketball games and other athletic events. The Basketball Band is open to all interested instrumentalists at the university. Admission is by selection of the University Band Staff.

Offered: S.

MUS 101 - Student Recitals (0)

Departmental student recitals give students an opportunity to perform for one another and the faculty. Performance Health and Recital Etiquette will be discussed. All students must perform at least once in a recital per semester. Students must successfully pass six semesters of Recital Attendance in order to graduate.

Offered: F; S.

MUS 135H - Introduction to Music Literature Honors (2)

A study of music in Western and non-Western cultures through selected masterpieces. Emphasizes perceptive listening by providing an introduction to the elements of music, a brief survey of historical periods in music, major composers, and the major genres from each period. Designed especially for Honors Program students, offering opportunities for enrichment through independent study, research, analytical thinking, oral reporting, and other special activities. No previous musical knowledge assumed. Emphasizes listening.

Prerequisite: Admission to the University Honors Program or written consent from the Honors Program Director. Offered: S.

MUS 103 - Aural Skills I (1)

Develops ability in sight singing and music dictation, including recognition of intervals and rhythmic, melodic dictation. The course is taken concurrently with MUS 108: Music Theory I.

Prerequisite: Music Theory Placement Exam.

Offered: F; S.

MUS 104 - Aural Skills II (1)

A continuation of MUS 103, the course develops aural and visual techniques through ear training,

dictation, and sight singing. The course is taken concurrently with MUS 109: Music Theory II.

Prerequisite: MUS 103. Offered: S.

MUS 108 - Music Theory I: Introduction To Functional Harmony (2)

A brief review of the elements of music (notation, meter, and major and minor key signatures) leads to an introduction of the function of primary chords in a tonal context. Skills include analysis and composition of homophonic music using tonic, dominant, and subdominant harmony. The course is taken concurrently with MUS 103: Aural Skills I.

Prerequisite: Music Theory Placement Exam.
Offered: F; S.

MUS 109 - Music Theory II: Diatonic Harmony (2)

A study of two-voice counterpoint using a modified species technique develops an understanding of voice leading during the common practice period. The second half of the course completes a survey of diatonic, functional harmony including triads built on all scale degrees and the dominant seventh chord. Skills include analysis and composition of music using all course materials. The course is taken concurrently with MUS 104: Aural Skills II.

Prerequisite: MUS 108. Offered: S.

MUS 110 - Piano Class for Beginners I (1)

Group instruction in beginning piano for music majors whose principal performing medium is voice, or an orchestral or band instrument. Sight-reading and improvisation are included. This course is open to all majors.

Offered: F; S.

MUS 111 - Piano Class for Beginners II (1)

Group instruction in Class Piano II is for music majors whose principal performing medium is voice, or an orchestral or band instrument. Sight-reading and improvisation are included. Continuation of the skills introduced in MUS 110.

Offered: F; S.

MUS 112 - Piano Class for Beginners III (1)

Group instruction in Piano Class III is for music majors whose principal performing medium is voice, or an orchestral or band instrument. Sight-reading and improvisation are included. Continuation of the skills introduced in MUS 111.

Prerequisite: MUS 111 or consent of instructor.

Offered: F.

MUS 113 - Piano Class for Beginners IV (1)

Group instruction in Piano Class III is for music majors whose principal performing medium is voice, or an orchestral or band instrument. Sight-reading and improvisation are included. The final exam in the course is the keyboard proficiency exam for non-piano majors in the Music Education Licensure Program.

Prerequisite: MUS 112 or instructor's written consent.

Offered: S.

MUS 115 - Emerging Media in Audio (2)

Technology and MIDI applications including sequencing are introduced; topics include the MIDI language, early synthesizers and the fundamentals of sound synthesis, oscillators, envelope generators, digital synthesizers, and drum machines. Hands-on experiences take place in the music theory lab.

Offered: F.

MUS 116 - Introduction to Music Industry Studies (3)

Examines the overall function and structure of the music industry. Topics include the business of music, creative rights, publishing, music licensing, music law, arts management, concert promotion, record companies, and marketing. Corresponding activities may include advertising, jingle production, and film music as it pertains to the music industry. Open to all majors.

Offered: F.

MUS 118 - Music Theory Rudiments I (1)

An introduction to the fundamental materials of music theory, including an introduction to music notation, including pitch identification in various clefs, major and minor key signatures, as well as melodic intervals, triads, and meter.

Offered: F; S.

MUS 120 - Introduction to Music Education (1)

An orientation to the field of music education. It is a prerequisite to EDUC 428 and EDUC 429. This course explores the history of music education, careers in music education, and philosophical trends in the field. Students examine the roles of a music teacher; the role and importance of music in society; music advocacy; professionalism of the music

educator; music curricula; basic music learning processes; and preparation for Praxis I. Students are expected to demonstrate critical thinking as it relates to the evolution of their personal philosophies regarding music education.

Offered: F.

MUS 123 - Voice Class (1)

A one-semester course instructing singers with little or no formal training in the development of fundamental principles and techniques of singing. Emphasizes correct posture, consistent breath control, a free, yet ringing tone, and diction that is clear and articulate through the performance of selected literature.

Offered: S.

MUS 125 - Introduction to the Recording Studio (3)

Provides an insightful look into modern record production. Students are exposed to recording technology history and current careers. Classes are primarily lecture-oriented with some hands-on experience in the on-campus professional 24-track recording studio. No previous knowledge of audio recording is required.

Prerequisite: MUS 115. Offered: F or S.

MUS 126 - Voice Diction (1)

Required of all vocal majors in the music education licensure program and in the performance concentration. Discussion and practice focus on the fundamentals of correct pronunciation and enunciation for singing in English, Italian, German, and French, utilizing the International Phonetic Alphabet. In-class performance of selected literature is required.

Offered: F.

MUS 135 - Introduction to Music Literature (2)

Study of elements of music and brief historical survey of musical style periods with discussion of major composers and types of compositions written in each. No previous musical knowledge assumed. Emphasizes listening.

Offered: F; S.

MUS 200 - University Marching Band (0 or 1)

This course develops instrumental pedagogy and performance skills of students within the marching band setting. This course will emphasize music and

marching maneuvers with a difficulty level of 3 and above. This course is open to students in all majors. Seven contact hours.

Prerequisite: Successful audition before the university band staff. Offered: F.

MUS 201 - University Concert Band (0 or 1)

A continuation of MUS 200 during the spring semester with emphasis placed on the study of light standard band repertoire and the enhancement of students' musicianship.

Prerequisite: Successful audition before the university band staff. Offered: S (Offered on Demand).

MUS 202 - Arts Management (3)

A study of Arts Management, Presentations, and Research Techniques in preparation for the Senior Project. Topics include development, the professional management of arts organizations, foundations, arts education presentations, and research.

Prerequisite: MUS 116, MUS 208. Offered: S (Music Majors Only).

MUS 203 - Aural Skills III (1)

A continuation of MUS 104, adding chromatic lines, modulation and more complex rhythms. It is taken concurrently with MUS 208: Music Theory III.

Prerequisite: MUS 104. Offered: F.

MUS 204 - Aural Skills IV (1)

The course concludes the aural skills sequence, emphasizing more difficult rhythmic and melodic patterns and harmonic dictation.

Prerequisite: MUS 203. Offered: S.

MUS 208 - Music Theory III: Chromatic Harmony (2)

A study of part-writing using chromatically altered chords of the common practice period, the course examines substitutory harmony, borrowed chords, secondary dominants, augmented sixth chords, and modulation. Includes analysis and composition of music using the course materials. It is taken concurrently with MUS 203: Aural Skills III.

Prerequisite: MUS 109. Offered: F.

MUS 209 - Music Theory IV: Chromatic And Post-Tonal Music (2)

Encompasses analysis and composition of music using techniques first developed in the 20th century,

including extended and non-functional tertian harmony, exotic scales and modes, polytonality, quartal harmony and serialism, and an exploration of alternative systems of analysis.

Prerequisite: MUS 208. Offered: S.

MUS 210 - Brass Ensemble (0 or 1)

The study and performance of chamber music for combinations of brass instruments.

Offered: F; S.

MUS 211 - Jazz Theory (2)

Exploration of contemporary diatonic and chromatic chord progression and root motion found in current popular music styles. Focus is on Chord Symbols and Roman Numeral analysis, and principles of chord progressions and linear harmonic continuity. Substitute dominant chords, modulations, and blues progressions. Diminished chord patterns and appropriate substitutions are also examined.

Prerequisite: MUS 108, MUS 109, MUS 208.

Offered: S (Offered on Demand).

MUS 212 - The African American in Music (2)

Emphasizes U.S. composers and performers, with a focus on the development and contributions of African American music from the 17th through 21st centuries. Covers the study of spirituals, folk music, ragtime, blues, gospel, jazz, rhythm and blues, rock and roll, and rap/Hip-Hop music.

Offered: F; S; SS (Open to All Majors).

MUS 220 - Woodwind Ensemble (0 or 1)

The study and performance of chamber music for combinations of woodwind instruments.

Offered: F; S.

MUS 221 - String Chamber Ensemble (1)

A study and performance of string chamber ensemble literature.

Prerequisite: Consent of the instructor. Offered: F; S (Offered on Demand).

MUS 230 - Percussion Ensemble (0 or 1)

The study and performance of chamber music for combinations of percussion instruments.

Offered: F; S.

MUS 233 - Afro-Latin-American Percussion (1)

This is a course designed to provide basic technical knowledge and rhythmic understanding of the many authentic popular and commercial performing practices through the study of playing and style techniques associated with the major Afro-Latin-American instruments.

Offered: F; S.

MUS 231 - String Class (1)

Focus is on techniques used in teaching orchestral stringed instruments, including playing and pedagogical techniques appropriate for young players, methods, materials, history, maintenance, and repair.

Prerequisite: Instructor's written consent. Offered: F.

MUS 240 - Collegians (Jazz Ensemble) (0 or 1)

The Collegians Jazz Ensemble is the university's big band musical ensemble dedicated to performing and experiencing jazz. The repertoire includes standard and contemporary jazz literature and provides opportunities for students to learn to improvise. Guitar music majors must take Collegians Jazz Ensemble as part of the large ensemble requirement. Performances occur on and off campus.

Prerequisite: By audition only and by permission of instructor. Offered: F; S.

MUS 254 - Audio Engineering I (2)

Study of recording fundamentals, including the acoustics of sound, microphone design and placement, signal processing, audio console theory, digital signal processing, and basic mixing techniques. Students use the on-campus professional recording studio and music theory lab for individual projects and assignments.

Prerequisite: MUS 125. Offered: F.

MUS 255 - Audio Engineering II (2)

Critical listening and multi-track recording techniques such as studio and console set-up, tracking, overdubbing, and mixing will be developed. Students use the on-campus professional recording and music theory lab for individual projects and assignments.

Prerequisite: MUS 254. Offered: S (Music Majors Only or Permission from the Chair).

MUS 260 - Orchestra (0-1)

The ensemble studies and performs works representative of a broad spectrum of string orchestra and symphonic orchestra literature. Participation by string majors is required.

Prerequisite: Audition only and by instructor's written consent. Offered: F; S.

MUS 300 - University Choir (0 or 1)

A mixed ensemble designed to instill innovative thinking and leadership through the study and performances of diverse choral literature. The ensemble promotes cooperative group effectiveness and utilizes repertoire techniques aimed primarily at performances on and off campus. Five contact hours.

Prerequisite: By audition only and by instructor's written consent. Offered: F; S.

MUS 301 - Junior Recital (1)

The final performance requirement for the B.A. in music; Education and Performance majors perform recitals, Composition and Industry Studies students present a creative project that emphasizes the organization of musical ideas into logical homogeneous forms.

Prerequisite: Senior status; Department Chair's written consent and/or Applied Instructor. Offered: F; S.

MUS 304 - History of Popular Music (2)

The study of commercial music is presented through the sentimental ballad and popular song as related to music industry development, and to the socio-musical influences of the commercial song from around 1900 to the present. This course will also include a specialty study of Jazz, Rhythm and Blues and their beginnings.

Offered: F; S.

MUS 305 - Music History I - Early through Classical (3)

A survey of developments in Western Art Music from its early beginning through 1825. Includes study of styles, forms, contributions of major composers, extensive in-class listening, and study of scores.

Prerequisite: MUS 108 or permission of Chair. Offered: F.

MUS 306 - Music History II - Classical to Contemporary (3)

Traces the development of the major forms/genres from 1825 to present, through study of major European and American composers and representative pieces. An introduction to avant-garde techniques as well a variety of music representing various cultures.

Prerequisite: MUS 108 or Department Chair's written consent. Offered: S.

MUS 307 - A Study of Non-Western Music (1)

An introduction to the music and characteristics of non-western music. Music in various cultures will be explored. *This course is open to all majors.*

Offered: F (Open to all Majors).

MUS 308 - Tonal Counterpoint (3)

An analysis of contrapuntal writings of the outstanding composers of the 18th century, especially J. S. Bach leads to the distillation of appropriate rules for contrapuntal writing. Involves the writing of counterpoint for two and three voices.

Prerequisite: MUS 208. Offered: F.

MUS 309 - Form And Analysis (3)

Presents methods to analyze the structure of various classical forms in music delineated by harmonic, contrapuntal and textural characteristics. Students write music using a predefined form as the central pre-compositional tool.

Prerequisite: MUS 208. Offered: S.

MUS 310 - Choral Ensemble (0 or 1)

This small ensemble is required of all vocal performance majors and is devoted to vocal performances on and off campus. This ensemble will focus on Patriotic, Broadway, Jazz and Gospel literature. Three contact hours.

Prerequisite: Open by audition. Offered: F; S.

MUS 312 - Orchestration (2)

Study of the art of writing for the orchestra and various instrumental ensembles. Focuses on the instruments, ranges, transpositions and clef notation, timbre, technical limitations, special effects, and the art of combining instrumental colors. Studies include vocal/instrumental arranging, score reading, and transcription.

Prerequisite: MUS 208. Offered: F or S.

MUS MUS 315 - Popular Songwriting (2)

An evaluation of all aspects of songwriting: creating, composing, business aspects, lyric writing and song styles. Music industry perspectives are explored along with discussion on demo production and instrumentation of various musical styles.

Prerequisites: MUS 104, MUS 209 or equivalent; MUS 111 or equivalent.

Offered: On Demand.

MUS 319 - Music Merchandising & Marketing (3)

Covers the techniques and methods of salesmanship and marketing. Focuses on an in-depth examination of the principles of successful music manufacturing, marketing, planning, budgeting, retailing, promoting, and inventory selection.

Prerequisite: Junior status, MUS 202, MUS 209.

Offered: F (Music Majors Only).

MUS 321 - Music Multimedia Applications (2)

An introduction and overview of the creation of multimedia projects for digital presentations. Students will be introduced to sound design for radio, foley studios, automatic dialogue replacement (ADR), sound effects for video, spotting cues, video editing and DVD creation, and synchronization.

Prerequisite: MUS 115, MUS 125 or the instructor's written consent. Offered: S.

MUS 322 - Chamber Music Literature for Strings (1)

An historical study of chamber music literature for strings alone, strings with keyboard, and strings with other instruments from Baroque through the contemporary.

Prerequisite: Instructor's written consent. Offered: F; S.

MUS 338 - Conducting (1)

Basic technical problems involved in conducting and interpreting instrumental and choral music are explored. Practical experiences are provided.

Prerequisite: MUS 208 or consent of Department Chair. Offered: S.

MUS 345 - Brass Class (1)

Focuses on brass pedagogy for young players. Topics may include performance, methods, materials, history, maintenance, and repair.

Prerequisite: Instructor's written consent. Offered: S (Music Majors Only).

MUS 346 - Woodwind Class (1)

This course examines the technique of teaching woodwind instruments, including playing and pedagogical techniques appropriated for young players, methods, materials, history, maintenance and repair.

Offered: F (Music Majors Only).

MUS 347 - Percussion Class (1)

The techniques of teaching percussion instruments, including playing and pedagogical techniques appropriate for young players, methods, materials, history, maintenance, and repair.

Offered: F (Music Majors Only).

MUS 357 - String Pedagogy (1)

A study of current and historical pedagogy concepts, materials, and techniques for teaching beginning through advanced string students in a private studio setting.

Prerequisite: Department Chair's written consent.

Offered: F; S (Music Majors Only; Offered on Demand).

MUS 360 - Digital Audio Technology (2)

The principle of digital audio and its application in the current recording industry is discussed including digital audio fundamentals, recording and reproduction systems, and digital media encompassing compact disc, optical disk, mastering software and digital interfaces.

Prerequisite: MUS 125 and MUS 254. Offered: F (Music Majors Only).

MUS 400 - Senior Recital/Project (1)

This is the final performance/project requirement for the B.A. in Music. Education and Performance majors perform on recitals, and Composition and Industry Studies students present a creative project that emphasizes the organization of musical ideas into logical homogeneous forms. General (Liberal Arts) music students may perform on a recital or present a project.

Prerequisite: Senior status; Department Chair and/or Applied Instructor's written consent. Offered: F; S.

MUS 401 - University Symphonic Wind Ensemble (0 or 1)

The University Symphonic Wind Ensemble is a select ensemble of musicians, dedicated to a rigorous curriculum, excellent performances and diverse repertoire encompassing a wide variety of styles and composers. Membership is determined by audition and is open to all majors. Six contact hours.

Offered: F; S.

MUS 417 - Music Industry Internship (3)

A six-week internship in the music industry studies field.

Prerequisite: Senior status, the Music Industry Studies Instructor and the Department Chair's written consent. Offered: F; S; SS (Music Majors Only).

MUS 428 - Piano Literature (1)

Composers, forms and styles of literature for piano and its ancestors from 17th century to present are studied. Audiovisual experiences are provided.

Prerequisite: MUS 306 or Department Chair's written consent. Offered: (Offered on Demand).

MUS 429 - Piano Accompanying (1)

Techniques in the art of piano accompanying. Practical experiences in sight-reading and transposition along with accompanying soloists and various combinations of voices are examined. May be repeated for credit.

MUS 430 - Piano Pedagogy (1)

Emphasizes piano teaching problems and methods and materials used in teaching the instrument. Practical experiences in giving piano instruction to pupils at various levels of advancement are included.

MUS 431 - Music Business Seminar (3)

An advanced practicum that examines principles and practices of the music business. Topics include copyright, publishing, licensing, royalties, artist management, venue management, concert promotion, production and practices associated with the arts, including board development, fund raising, and grant writing.

Prerequisite: MUS 116, MUS 202, MUS 319.
Offered: F (Music Majors Only).

MUS 435 - Special Topics in Music Education (1-2)

This course focuses on one or more chosen music topics in Music Education.

Prerequisite: Junior or Senior status; consent of Department Chair. Offered: F; S; SS.

MUS 436 - Special Topics in Music Business (1-2)

This course focuses on one or more chosen music topics in Music Business.

Prerequisite: Junior or Senior status; Department Chair's written consent. Offered: F; S; SS.

MUS 437 - Special Topics in Sound Recording Technology (1-2)

This course focuses on one or more chosen music topics in Sound Recording Technology.

Prerequisite: Junior or Senior status; Department Chair's written consent. Offered: F; S; SS.

MUS 438 - Special Topics in Music with Emphasis in Performance (1-2)

This course focuses on one or more chosen music topics in either Performance.

Prerequisite: Junior or Senior status; Department Chair's written consent. Offered: F; S; SS.

MUS 439 - Special Topics in Music with Emphasis in Composition (1-2)

This course focuses on one or more chosen music topics in Composition.

Prerequisite: Junior or Senior status; consent of Department Chair. Offered: F; S; SS.

MUS 440 - Independent Study (1-3)

Individual study or research under the guidance of a music faculty member is required. The Department Chair must approve the study plan.

Prerequisite: Senior Status. Offered: F; S; SS (Music Majors Only).

MUS 446 - Instrumental Techniques and Conducting (1)

Addresses methods of directing ensemble management, pedagogical practices and selection of literature and materials. Conducting experiences are provided.

Prerequisite: MUS 338. Offered: F.

MUS 447 - Choral Techniques and Conducting (1)

A cappella and accompanied literature for youth and adult choirs are examined. Conducting, styles and interpretation, development of tone, vocal problems, rehearsal procedures, and program building are discussed. Practical experiences are provided.

Prerequisite: MUS 338. Offered: F.

MUS 454 - Studio Production Seminar (2)

An advanced studio practicum integrating student-recording projects with discussion on advanced audio production techniques, audio and video production, and critical reviews of recordings from the 1940s to present day. Students plan, organize, budget, produce, and engineer a recording project. Emphasizes meeting current industry standards in artistic and technical proficiency. A studio project is required.

Prerequisite: MUS 254, MUS 255. Offered: F (Music Majors Only).

Ensemble

MUS Ensemble - (Small or Large) (1)

Participation in all musical ensembles is by audition only. Ensembles may be repeated for credit.

**PESM - SPORT MANAGEMENT
COURSE DESCRIPTIONS**

PESM 110 - Introduction to Sport Management (3)

Introduces the sports industry, different kinds of opportunities involving sports, and the economical impact of sports in the world and America in particular.

PESM 211 - Introduction to Sport Psychology (3)

Studies the psychological factors which impact behavior in management skills. Includes an analysis of learning process, motivation, adjustments, perception, memory, cognition, and behavior.

Prerequisite: PESM 110, with a grade of C or higher.

PESM 210 - Introduction to Sport Sociology (3)

Introduces the concept of sport sociology. Considers the culture of sports, sport and socialization, sport and politics, religion and sport, sport education, and social change.

Prerequisite: PESM 110, with a grade of C or higher.

PESM 300 - Sport Finance (3)

Provides an introduction to financial strategies related to sport entities and organizations.

Prerequisite: PESM 110 and ACCT 210, with a grade of C or higher.

PESM 310 - Sport Management Practicum (3)

Provides majors with hands-on experience in an area of sport management. Selected off-campus experiences in physical education, leisure activities, and sport programs that will enable students to become more actively involved with field-based professionals.

Prerequisite: PESM 110, MNGT 221 and MRKT 231, with a grade of C or higher.

PESM 311 - Sport Marketing and Promotion (3)

Examines competitive market strategies as they apply to the sport industry. Emphasizes the relationship between sport products and sport markets.

Prerequisite: PESM 110 and MNGT 221, with a grade of C or higher.

PESM 312 - Legal Issues of Sport/Rec (3)

Introduces the legal structures, major laws, regulations, and precedents in law in amateur athletics, professional sports, and recreational sport programs.

Prerequisite: PESM 110.

PESM 313 - Governance in Sport (3)

Topics and issues involve the organizational theory, behavior, and structure of various sport organizations. Examines the evolution of power and political activity engulfing sport organizations. Concepts on leadership and management related to the sport industry are presented.

Prerequisite: PESM 110.

PESM 410 - Organization and Management (3)

Provides majors with comprehensive and contemporary information as it applies to managing sport organization. Emphasizes human resource management, supervision, program development, and office management.

Prerequisite: PESM 110 and MNGT 221, with a grade of C or higher.

PESM 411 - Facilities Management (3)

Presents the guidelines for designing, constructing, maintaining, scheduling, and managing an athletic facility. Emphasizes the factors involved in obtaining, running, and managing athletic events.

Prerequisite: PESM 110 and MNGT 221, with a grade of C or higher.

PESM 415 - Sport Sponsorship (3)

Provides a detailed examination of the relationship between sport and corporate sponsorship. P

Prerequisite: Junior standing.

PESM 416 - Sport Management Internship (8)

Supervised field placement in an approved sport-related agency. Interns work under the direction of an assigned site supervisor in their respective area of emphasis.

Prerequisite: Senior standing and completion of all other major requirements.

PHIL - PHILOSOPHY COURSE DESCRIPTIONS

PHIL 250 - Introduction to Philosophy (3)

Introductory study of core topics of philosophical concerns, human knowledge, the world, God, human freedom, morals, and politics to develop philosophic interests and skills in analysis of concepts basic to value decisions in education, art, religion, and life.

Prerequisite: No prerequisite. Offered: F, SS.

PHIL 251 - Social and Political Philosophy (3)

Contemporary and traditional problems concerned with moral evaluation of political power; individual rights, social responsibility, legal and civil authority, civil disobedience, war, and peace.

Prerequisite: No prerequisite. Offered: S.

PHIL 252 - Critical Thinking and Logic (3)

Introduction to the principles of critical reasoning and argumentative skills. Emphasizes evaluation of arguments, identification of logical fallacies, deductive inference, and elementary symbolic logic. These skills help students prepare for post-graduate standardized tests, such as GRE, LSAT, GMAT, and MCAT.

Prerequisite: No Prerequisite. Offered: F.

PHSC - PHARMACEUTICAL SCIENCE COURSE DESCRIPTIONS

PHSC 201 - Foundations of Pharmaceutical Sciences (3)

The course will give students overview of the major and basic knowledge and foundation for the

curriculum. Students will be exposed to the principles, methods and strategies employed in solving mathematical problems in pharmacy and pharmaceutical sciences. Students will explore different career options in pharmaceutical sciences and pharmacy.

Prerequisite: BIOL 101 with a minimum grade of 'C' and CHEM 101/L with a minimum grade of a 'C'.
Offered: F, S.

PHSC 380 - Drug Discovery, Design & Development (4)

Covers the principles of how new drugs are found with emphasis on the drug discovery pipeline, target identification, screening methodologies and assays, mechanism-based design, structure-based design, in vitro and in vivo testing, chemical analogs and development issues. Connections to genomics, bioinformatics, pharmacokinetics and pharmacodynamics, immunology and parasitology will be explored and appropriate health science, pharmaceutical industry and clinical issues will be discussed.

Prerequisite: PHSC 403 with a minimum grade of "C". Offered: F; S.

PHSC 300 - Principles of Pharmacology (3)

Provides an introduction to the principles of toxicology and drug therapy, including safety, management of medication administration, drug actions, adverse drug reactions, and patient dosing (receptors, pharmacodynamics, pharmacokinetics, biotransformation, and toxicology, etc.).

Prerequisite: BIOL 215 with a minimum grade of 'C', and PHSC 403 with a minimum grade of 'C' or BIOL 207 and BIOL 307 with a minimum grade of 'C' and PHSC 403 with minimum grade of 'C'. Offered: S.

PHSC 302 - Principles of Pharmacology II (3)

Focuses on the key concepts in relation to cellular actions, therapeutic uses, side effects, and toxic actions of specific drug classes used in humans. An in-depth understanding of how various drugs exert beneficial therapeutic and adverse actions as well as drug interactions and the risks associated with drug abuse will be discussed in details.

Prerequisite: PHSC 300.

PHSC 320/L - Pharmaceutical Analysis/L (4)

This course focuses on the characterization of drug and drug products commonly encountered in the

pharmaceutical laboratories using analytical techniques. The laboratory component provides relevant hands-on experience in drug analysis and competency in various analytical skills and intended to strengthen understanding of concepts discussed in lectures.

Prerequisite: CHEM 302/L with a minimum grade of 'C' and PHSC 201 with minimum grade of 'C'.

Offered: F, S.

PHSC 321 - Pharmaceutical Analysis II/Lab (4)

Focuses on the characterization of drug and drug products commonly encountered in the pharmaceutical laboratories using advanced analytical techniques. The laboratory experiments provide students with hands-on experience in drug analysis and competency in various analytical skills.

Prerequisite: PHSC 320. Offered: S.

PHSC 355 - Healthcare Informatics (2)

Introduction to Healthcare Informatics, broadly construed. Healthcare Informatics studies the organization of medical information, the effective management of information using computer technology, and the impact of such technology on medical research, education, and patient care.

Prerequisite: CSC 115. Offered: F, S.

PHSC 360 - Pathophysiology (3)

Designed to introduce the student to altered physiologic concepts affecting individuals and the biologic basis for disease. The course begins with the basics of cellular biology, cancer, the infection process, and the immune system. A focus on specific body systems and common disorders will be covered.

Prerequisite: PHSC 300. Offered: F, S.

PHSC 370 - Genomics & Proteomics (3)

Fundamentals of Genomics and Proteomics. Specifically, linkage and SNP analyses (DHPLC, micro sequencing, 3rd wave), and statistical and computational aspects of linkage and association, as well as automated sequencing, high throughput fluidics, genomics database resources and use will be covered. Topics in expression profiling including Affymetrix chip arrays, and spotted cDNA and oligonucleotide arrays as well as manipulation of large data sets in expression profiling will be discussed. Proteomics is the large-scale study of proteins, their partners and post-translation

modification such as phosphorylation, glycosylation, and sulphation as well as other modifications that can determine activity, stability, localization and turnover protein function.

Prerequisite: CHEM 401/CHEM 401L. Offered: F; S.

PHSC 401 - Drug Regulatory Affairs (2)

Provides a general introductory overview of the key role that Regulatory Affairs plays in a pharmaceutical company's launching of new drugs in the market. The laws, regulations, policies and procedures, and the FDA's Standard operating procedures (SOP's) that the FDA issues to drug companies to better understand FDA's expectations.

Prerequisite: PHSC 380. Offered: F, S.

PHSC 402 - Basis Pharmaceutics with Lab (4)

Introduces the student to the principles and technologies that are applied in the preparation of pharmaceutical dosage forms and drug delivery systems. It covers the design, preparation, properties, stability, and evaluation of solutions, semisolids dispersions, and solid dosage forms. It also covers the characteristics and use of excipients. Three hours of lecture. Three hours of lab per week.

Prerequisite: PHSC 210. Offered: F, S.

PHSC 403 - Pharmaceutical Biochemistry I (3)

Focuses on the basic principles of protein structure and function, and an introduction to molecular mechanisms of drug action. Review of key concepts in general and organic chemistry, properties of drugs, amino acid, protein structure, enzyme function (catalysis), carbohydrates and their metabolism, electron transport and some regulatory mechanisms will be discussed.

Prerequisite: CHEM 301 with a minimum grade of a 'C'.

PHSC 404 - Pharmaceutical Biochemistry II (3)

Focuses on the structure and function of biological membranes, metabolism of lipids, amino acids, nucleic acids, and some regulatory mechanisms. Selected human disease states, their biochemical origins, and pharmaceutical treatment are also discussed in relation to all of the above, when applicable.

Prerequisite: PHSC 403.

PHSC 410 - Clinical Trials Management & Research Methods (3)

Introduces students to the three phases of clinical trials involved in drug development; development of research questions, basic elements of experiments and researches involving human subjects, government and institution mandated protocols, clinical trials methodology and practical and theoretical overview of the principles of managing and monitoring clinical trials.

Prerequisite: PHSC 380. Offered: Prerequisite: BIOL 101 with a minimum grade of 'C', CHEM 101 with a minimum grade of 'C' and instructor's approval. Offered: F; S.

PHSC 420 - Biopharmaceutics/Pharmacokinetics (3)

Introduces students to the following: routes of drug administration, absorption, distribution, metabolism, and excretion (ADME) and the concepts of bioequivalence, bioavailability, half-life, and drug product testing. Quantitation of factors affecting the ADME and mathematical models to calculate the rates of drug and metabolite concentrations will be introduced.

Prerequisite: PHSC 210. Offered: F, S.

PHSC 422 - Methods in Biotechnology/L (4)

Uncovers present fundamental concepts in applied biotechnology, laboratory skills, exploratory data analysis, safety, and ethics.

Prerequisite: PHSC 404. Offered: Prerequisite: PHSC 403 CHEM 401L. Offered: F.

PHSC 430 - Ethics in Biomedical Research (1)

Discusses a comprehensive analysis of the major ethical issues raised by scientific research on animal and human subjects. It will emphasize emergence of an international dialogue about research resulted in the adoption of extensive official policies on a broad set of ethical issues. Cases will be discussed.

Prerequisite: PHSC 451. Offered: F, S.

PHSC 432 - Advanced Medicinal Chemistry (3)

Focuses on applications of foundational concepts of drug chemistry. Discusses chemical and pharmaceutical features of drugs and targets by evaluating molecular basis of actions from representative drug classes. Fundamental concepts in contemporary medicinal chemistry including

computational chemistry and combinatorial/parallel methods of synthesis are covered in this course.

Prerequisite: CHEM 430.

PHSC 451 - Independent Research I (1)

Faculty supervision of students in research related to pharmaceutical sciences. Open to Junior students that have the ability to carry-out independent work in the laboratory. Laboratory: one hour and additional lab time scheduled as necessary.

Prerequisite: PHSC 380. Offered: F, S.

PHSC 452 - Independent Research II (1)

Faculty supervision of students in research related to pharmaceutical sciences. Laboratory: one hour and additional lab time scheduled as necessary.

Prerequisite: PHSC 451. Offered: F, S.

PHSC 453 - Independent Research III (1)

Faculty supervision of students in research related to pharmaceutical sciences. Laboratory: one hour and additional lab time scheduled as necessary.

Prerequisite: PHSC 452. Offered: F, S.

PHSC 460 - Clinical Technology (2)

Covers major types of clinical information technology with a focus on practical issues in design, implementation, enterprise integration, and iterative refinement in clinical care delivery settings. These systems include the electronic medical record (EMR), Computerized Practitioner Order Entry (CPOE), Clinical Decision Support Systems (CDSS), Clinical Data Repository (CDR), and ancillary systems (e.g., PACS, Pharmacy, Lab). This course will train how to operate, calibrate and manage the technology, equipment, and instrumentation used in clinical settings. The course will provide Hands-on experience in a hospital or clinic with equipment used with Intravenous dosing, drug calculations and measurement, palm pilots, etc.

Prerequisite: PHSC 210. Offered: F; S.

PHSC 470 - Drug Discovery, Design & Development (4)

Covers the principles of how new drugs are found with emphasis on the drug discovery pipeline, target identification, screening methodologies and assays, mechanism-based design, structure-based design, in vitro and in vivo testing, chemical analogs and development issues. Connections to genomics, bioinformatics, pharmacokinetics and

pharmacodynamics, immunology and parasitology will be explored and appropriate health science, pharmaceutical industry and clinical issues will be discussed.

Prerequisite: PHSC 403 with a minimum grade of "C". Offered: F; S.

PHSC 485 - Principles of Pharmacology (3)

Provides an introduction to the principles of toxicology and drug therapy, including safety, management of medication administration, drug actions, adverse drug reactions, and patient dosing (receptors, pharmacodynamics, pharmacokinetics, biotransformation, and toxicology, etc.).

Prerequisite: BIOL 215 with a minimum grade of 'C' and PHSC 403 with a minimum grade of 'C' or BIOL 207 and BIOL 307 with a minimum grade of 'C' and PHSC 403 with minimum grade of 'C'. Offered: S.

PHSC 498 - Scientific Communication/Capstone Seminar (3 credits)

Designed to evaluate a student's accumulated knowledge, abilities, and skills in the major. Course content focuses on recent advances in pharmaceutical sciences research with strong emphasis on student participation and general discussion.

Prerequisite: Senior classification and instructor's approval. Offered: F, S.

PHS - PUBLIC HEALTH COURSE DESCRIPTIONS

PHS 110 - Introduction to Public Health (3)

Study of the field of public health, covering a broad spectrum of community health services concerned with personal and environmental factors affecting the health status of individuals and populations.

Prerequisite: No Prerequisites. Offered: F; SS.

PHS 210 - Community Health, Safety, and Disease (3)

Health, safety, and disease trends and challenges in various communities. This course requires students to study and research in diverse or unfamiliar communities via direct experiences.

Prerequisite: Recommended prerequisites: Any physical, natural, or social science course. Offered: S; SS.

PHS 310 - Environmental Health and Sanitation (3)

Air, water, soil, on-site sewage, radiation, consumer product safety, occupational health, transportation safety, hearing and sight, waste water, housing, ergonomics, disease transmission, disaster preparedness and response, and portable toilets. Participation in direct experiences is required.

Offered: F; SS.

PHS 322 - Principles of Epidemiology (3)

Covers basic epidemiological principles, concepts and procedures and provides a basis for an understanding of the concepts and methodological skills necessary for designing and interpreting observational studies. These include validity (random error, bias and confounding), measures of disease occurrence and impact, measures of association, reliability and generalizability, causal inference, and critically reviewing evidence.

Offered: S.

PHS 410 - Terrorism, Disasters, and Epidemics (3)

Terrorism, disasters, and epidemic events are reviewed. Topics: Response roles of health professionals, health facility surge capacities, community resiliency, planning and mitigation strategies at policy and operational levels. Students complete incident command training en route. A project incorporating diverse communities is required. Can be taken concurrently with PHS 210.

Offered: S; SS.

PHS 420 - Local Public Health Agency Field Experience (3)

Placement in a local public health agency of the student's choice. Each student assists in the development of his or her placement which reflects the student's particular areas(s) of interest.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PHS 421 - State PHS Agency Field Experience (3)

Placement in a state public health related agency of the student's choice serving health, safety, or sanitation needs of a targeted population. Each student assists in the development of his or her placement which reflects the student's particular areas(s) of interest.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PHS 422 - Federal PHS Agency Field Experience (3)

Placement in a Federal public health related agency of the student's choice serving health, safety, or sanitation needs of a targeted population. Each student assists in the development of his/her placement which reflects the student's particular areas(s) of interest.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PHS 423 - Non-Profit Organization Field Experience (3)

Placement in a nonprofit organization of the student's choice serving health, safety, or sanitation needs of a targeted population. Each student assists in the development of his/her placement which reflects the student's particular areas(s) of interest.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PHS 424 - Private Corporation PHS Field Experience (3)

Placement in a private corporation of the student's choice serving health, safety, or sanitation needs of a targeted population. Each student assists in the development of his/her placement which reflects the student's particular areas(s) of interest.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PHS 425 - International PHS Field Experience (3)

Placement abroad through an international agency of the student's choice serving health, safety, or sanitation needs of a targeted population. Each student assists in the development of his/her placement which reflects the student's particular areas(s) of interest. *Requirements: valid passport, updated and complete immunization record, ECSU travel waiver, life insurance, international travel insurance, demonstrated cultural familiarity, and demonstrated commitment toward promoting improvements in health, safety, and sanitation in diverse communities.*

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PE - PHYSICAL EDUCATION COURSE DESCRIPTIONS

PE 160 - Basketball (1)

Focuses on the essential skills and techniques of basketball, as well as the fundamentals of the game. An elective course for the general student body that can be used to meet the Physical Education requirements in General Education.

Offered: F; S.

PE 161 - Dance (Elementary Modern) (1)

Designed to develop creativity, strength, coordination, and flexibility through Modern Dance. Dance techniques, spatial relationships and design, dynamic and movement qualities are explored in order to enhance the student's understanding of dance as an art form. This is an elective course for the general student body that can be used to meet the Physical Education requirements in General Education.

Offered: S.

PE 163 - Golf (1)

Designed to acquaint students with history, relevant terminology, and rules of golf. Equips the student with fundamental skills of scoring, playing, and strategies of golf. This elective course for the general student body can be used to meet the Physical Education requirements in General Education.

Offered: F; S.

PE 164 - Jogging (1)

Assists students interested in developing a personalized conditioning program and better fitness for health through jogging. This elective course for the general student body can be used to meet the Physical Education requirements in General Education.

Offered: F; S.

PE 168 - Volleyball (1)

Broadens the scope of knowledge about skills and techniques of the sport as well as to develop the spirit of fun, good fellowship, and sportsmanship. This course is open to all students. One semester hour of credit. This course can be used to meet the Physical Education requirements in General Education.

Offered: F.

PE 169 - Weight-Training (1)

A controlled program of weight-training exercises for students interested in developing individualized programs for fitness and strength improvements. This course is a part of the General Education sequence and may be used to fulfill the Physical Education requirements.

Offered: F; S.

PE 172 - Badminton (1)

Designed for beginning players. Covers beginning skills and knowledge that will enable one to be proficient in the game. This elective course for the general student body meets Physical Education requirements in the General Education Program.

Offered: F.

PE 173 - Swimming I (1)

Beginning swimming, elementary techniques, and safety procedures. Develops basic water safety skills and knowledge. This course or its equivalent is required of all Physical Education majors. This is elective course for the general student body can be used to meet the Physical Education requirements in General Education.

Offered: F; S; SS.

PE 174 - Swimming II (1)

Provides an opportunity to develop skills in breath control, rhythmic breathing, survival floating, treading, changing positions, elementary backstroke, crawl stroke, diving, and underwater swimming. This elective course for the general student body meets the physical education requirements in General Education.

Prerequisite: GE 173 or instructor's written consent.

Offered: F; S; SS.

PE 175 - Intermediate Swimming (1)

Provides opportunities to learn the elements of good swimming by providing a wide variety of strokes, treading, sculling, underwater swimming, and basic elements of rescue. This is an elective course for the general student body but a physical education requirement for majors.

Prerequisite: GE 174 or consent of the instructor.

Offered: F; S.

PE 180 - Bowling (1)

Develops skills in scoring, ball selection and grip, approaches, releases, methods of aiming, and the etiquette of bowling. This elective course for the general student body can be used to meet the physical education requirements in General Education.

Offered: F; S.

PE 183 - Beginning Tennis (1)

Familiarizes students with basic rules, regulations, and skills necessary to enjoy tennis as a recreational activity. Instruction includes proper grips, forehand and backhand strokes, and the serve. This elective for the general student body meets the physical education requirement for the General Education Program.

Offered: F; S; SS.

PE 184 - Dance (Folk and Square) (1)

Enhances the student's physical, cognitive, and social development through folk and square dance. History, terminology, and dance steps used in American square dance and international folk dance. This elective course for the general student body can be used to meet the Physical Education requirements in General Education.

Offered: S.

PE 186 - Exercise and Health-Related Fitness (1)

Develops knowledge and skills toward the attainment of physical fitness through appropriate, regular exercise, nutrition, stress management, weight control, good posture, and body mechanics. This course is required of all Physical Education majors and is an elective course for the general student body that can be used to meet the Physical Education requirements in General Education.

Offered: F; S.

PE 187 - Intermediate Tennis (2)

Develops a high degree of efficiency in advanced skills and strategies. Skill instruction includes volley, lob, drop, smash, and half-volley shots. Advanced students should know strategy and tactics for rallies, games, sets, and matches, along with developing single and double elimination tournaments.

Prerequisite: GE 183 or instructor's written consent.

Offered: F; S.

PE 191 - Racquetball (1)

Develops the basic knowledge, skills, strategy, and safety practices of racquetball. Instruction includes lecture, demonstration, practice, and competition. This elective course for the general student body can be used to meet the Physical Education requirements in General Education.

Offered: F; S; SS.

PE 193 - Modified Dance (1)

PE 195 - Outdoor Activities (1)

Promotes knowledge and skills of contemporary recreational outdoor leisure activities such as hiking, orienteering, cycling, tubing and rafting, canoeing, and camping. Emphasizes noncompetitive activities suitable for participation throughout life. This course is required of all Physical Education majors. This is also an elective course for the general student body that can be used to meet the Physical Education requirements for General Education.

Offered: F.

PE 199 - Lifetime Physical Activity (1)

The Lifetime Physical Activity course is designed to provide students with the knowledge and information necessary to lead a physically active lifestyle through goal setting, physical activity participation, and activity tracking. This course is delivered online and students must purchase a wearable accelerometer to complete the course work.

Offered: F, S.

PE 208 - Step Aerobics (2)

Provides a cardio-respiratory workout using muscles that are utilized in basic locomotor movements and various step-and-arm combinations to develop flexibility, strength, and muscular endurance. Low-impact or high-impact routines adjusted to music for the release of emotional and mental tension. This course is required of all majors in Physical Education.

Prerequisite: GE 173. Open to all students. Offered: F; S; SS.

PE 209 - Water Aerobics (2)

Provides choices for exercisers who benefit from water buoyancy, which reduces joint stresses associated with weight-bearing exercise. Emphasizes adapting land-based aerobics to water as well as

familiarizing students with the psychological benefits of water aerobics.

Prerequisite: Teacher's written consent. Offered: S; SS.

PE 274 - Fundamentals of Self Defense (1)

Required course in martial arts for physical education majors. *Open to all students.*

Offered: F; S.

PE 276 - Taekwon-Do (1)

Required Course for physical education majors. *Open to all students.*

Offered: F; SS.

PE 279 - Pilates (1)

Introduction to the beginner and intermediate mat Pilates method of body conditioning. Pilates mat work emphasizes core musculature as it applies to everyday movement. Introduces a series of low impact resistance-based conditioning exercises designed to develop core strength, posture, breath control, body alignment, and flexibility. Benefits include balance, body awareness, injury prevention, stress reduction and increased self-confidence. *No previous movement experience required.*

Offered: F; SS.

PE 302 - Movement Education (2)

Required for Elementary Education majors (K-6). Designed to identify structure of the foundational knowledge of movement and the process of becoming physically educated. Emphasizes selection of material, teaching, and skill development of K-6 students.

Offered: F; S.

PE 363 - Group Games and Rhythms (1)

Focuses on the role of physical education in the lives of elementary school children (grades K-6) and the responsibilities of the teacher. Special attention is given to the characteristics of elementary school children and how physical education meets the needs as expressed by these characteristics. Emphasizes activities meeting the needs at the elementary level (grades K-6) in the areas of group games and rhythms. Usually taken in the junior year by Physical Education majors as well as Elementary Education (grades K-6) majors.

Offered: F; S.

PE 381 - Sports Officiating II in Football & Basketball (3)

The psychology and techniques of officiating. Mastery of knowledge of the rules will be required on a written test and in a practicum situation. Open to all students.

Offered: F; S; SS.

PE 471 - Professional Seminar in Health Care Management

Provides opportunity to identify and discuss common problems and possible solutions of current and emerging challenges in organizing and financing the managerial functions in health care, more specifically, physical and occupational therapy.

Prerequisite: Consent of Instructor. Offered: F.

PHYS - PHYSICS COURSE DESCRIPTIONS

PHYS 152 - Principles of Physical Science (3)

Gives students some of the major basic concepts of physics, chemistry, astronomy, geology, and meteorology with particular emphasis on their relevant applications. Emphasizes the role of physical science in the framework of contemporary society. Lecture: three hours per week.

Corequisite: GE 152L. Offered: F; S; SS.

PHYS 152H - Principles of Physical Science Honors (3)

Designed especially for students with high academic potential. Includes essential elements of system measurements, physics, chemistry, astronomy, and earth science. Challenge students to develop the spirit of scientific investigation and an appreciation for the physical universe. Lecture: three hours per week.

Corequisite: GE 152L. Offered: F.

PHYS 152L - Principles of Physical Science Lab (1)

Experiments are designed to help students learn laboratory skills and allow them to experience how scientific models are usually verified. Two hours of laboratory per week.

Corequisite: GE 152. Offered: F; S; SS.

PHYS 181 - General Physics I (3)

Fundamental principles of physics based on elementary algebra and trigonometry. Deals with

vectors, mechanics of particles and rigid bodies covering kinematics and dynamics; heat and kinetic theory of gases. Lecture: three hours per week.

Prerequisite: GE 115 or equivalent. Corequisite: PHYS 181L. Offered: F; S.

PHYS 181L - General Physics I Lab (1)

Laboratory experiments reinforce the concepts covered in PHYS 181C and develop skills in the experimental set-up, data collection, and data analysis and interpretation of experimental data. Laboratory: two hours per week.

Prerequisite: PHYS 181 or PHYS 191. Offered: F; S.

PHYS 182 - General Physics II (3)

A continuation of PHYS 181. Topics include electrostatics and electromagnetism; and wave motions involving light and sound. Lecture: three hours per week.

Prerequisite: PHYS 181L. Corequisite: PHYS 182L. Offered: F; S.

PHYS 182L - General Physics II Lab (1)

Laboratory experiments reinforce the concepts covered in PHYS 182 and PHYS 192 and develop skills in the experimental set-up, data collection, data analysis and interpretation of experimental data. Laboratory: two hours per week.

Corequisite: PHYS 182 or PHYS 192. Offered: S.

PHYS 191 - University Physics I (3)

An introductory physics course based on calculus. Covers vectors and mechanics of particles and rigid bodies covering kinematics and dynamics. Lecture: three hours per week.

Prerequisite: MATH 157. Corequisite: MATH 158 and PHYS 181L. Offered: F.

PHYS 192 - University Physics II (3)

A continuation of PHYS 191. Topics include heat and kinetic theory of gases, electrostatics, and electrodynamics. Lecture: three hours per week.

Prerequisite: MATH 165. Corequisite: PHYS 182L. Offered: S.

PHYS 193 - University Physics III (3)

A continuation of Phys 192. Topics include Optics, modern physics, and other physics topics not covered

in PHYS 191 and PHYS 192. Lecture: 3 hours per week.

Prerequisite: PHYS 192. Offered: F.

PHYS 201 - Mechanics I (3)

Introduces the vector calculus and kinematics of particles. It also deals with dynamics of particles in one-dimensional problems. Lecture: 3 hours per week.

Prerequisite: Prerequisites or Co-requisites: PHYS 193; MATH 265. Offered: F.

PHYS 202 - Mechanic II (3)

Develops further, concepts built in PHYS 201. Deals with two-and three-dimensional motions more rigorously. The basic concepts of rigid body dynamics are also developed. Lecture: 3 hours per week.

Prerequisite: PHYS 201. Offered: S.

PHYS 203 - Astronomy (3)

For both science and non-science majors. Presents a clear, vivid, non-mathematical treatment of the frontiers of modern astronomy. Students become conversant and acquainted with new developments regarding pulsars, black holes, quasars, and controversies surrounding redshifts and other phenomenological concepts concerning astronomy. Lecture: 3 hours per week.

Offered: F; S.

PHYS 203L - Astronomy Lab (1)

Laboratory exercises, demonstration exercises, and elementary calculations to illustrate methods used in astronomy. Some constellation study with planetarium visits and occasional evening observation. Laboratory: 2 hours per week.

Corequisite: PHYS 203. Offered: F; S.

PHYS 211 - Principles of Biophysics (3)

The biological principles of physics. Discussions include optics of sight, corrective lenses for long and short sightedness, physics of heart pacers, nerve impulse conduction, cell membrane integrity and function, mechanics of muscle function, elasticity in cell biology, the physics of biological locomotion, and electromagnetism of the human body, a very efficient conductor of electricity (a basis for electrocution). Lecture: 3 hours per week.

Prerequisite: Prerequisites or Co-requisites: PHYS 193, BIOL 102 and PHYS 211L. Offered: F.

PHYS 211L - Principles of Biophysics Lab (1)

Students carry out experiments that illustrate physics in biological systems and how designs of various medical devices such as heart pace makers and hearing aids are based on the principles of biophysics.

Corequisite: PHYS 211. Offered: F.

PHYS 212 - Principles of Biophysics (3)

The biological principles of Physics. Discussions include a review of diffusion and random walk, Entropy, Temperature, and Free Energy, Entropic Forces, and Chemical Forces, Enzyme kinetics, force generation by kinesin, Mitochondria, proton pumps, ATP synthase, and flagellar motor. Lecture: 3 hours per week.

Prerequisite: PHYS 211. Corequisite: PHYS 212L. Offered: S.

PHYS 212L - Principles of Biophysics Lab (3)

Students carry out experiments that illustrate Physics in biological systems and learn how to operate various bio-physical instruments such as spectroscopy, electron microscopy, X-ray diffraction, crystallography, and NMR.

Corequisite: PHYS 212. Offered: S.

PHYS 301 - Electricity and Magnetism I (3)

Introduces principles of electricity based on vector calculus. Laplace's equation and simple solutions are derived. Lecture: 3 hours per week.

Prerequisite: Prerequisite or Co-requisite: PHYS 193; MATH 165. Offered: F.

PHYS 302 - Electricity and Magnetism II (3)

Principles introduced in PHYS 301 are further developed. The theory of magnetism is developed and the Maxwell's Equations of electrodynamics are derived. The solutions of such equations which lead to electromagnetic waves are also demonstrated. Lecture: 3 hours per week.

Prerequisite: PHYS 301. Offered: S.

PHYS 310 - Optics (3)

Basic ideas of propagation of light, first considered as rays and then as waves. Such topics as interferences, diffraction, and polarization treated in detail.

Knowledge of electricity and magnetism is desirable, but not necessary. Lecture: 3 hours per week.

Prerequisite: Prerequisite or Co-requisite: PHYS 193; MATH 165. Offered: F.

PHYS 320 - Thermodynamics (3)

Concepts of thermodynamics systems and laws of thermodynamics. Also treats the basis of kinetic theory of gases. Lecture: 3 hours per week.

Prerequisite: Prerequisite or Co-requisite: PHYS 192. Offered: S.

PHYS 321 - Electronics (3)

Intermediate course in applied electronics. Study of basic components, circuits and systems in modern electrical instrumentation. Emphasizes transistors, Field Effect Transistors (FET), and Silicon Controlled Rectifier (SCR). Lecture: 3 hours per week.

Prerequisite: Prerequisite or Co-requisite: PHYS 302. Offered: S.

PHYS 330 - Junior Laboratory (2)

Introduces experiment verification of some principle of physics which could not be done in General Physics/University Physics Laboratory. Laboratory: 4 hours per week.

Prerequisite: PHYS 192. Offered: F.

PHYS 433 - Senior Laboratory (2)

Acquaints students with advanced experiments. Laboratory: 4 hours per week.

Prerequisite: PHYS 330. Offered: S.

PHYS 441 - Mathematical Methods of Physics I (3)

Mathematical methods and applications necessary for work in theoretical physics. Lecture: 3 hours per week.

Prerequisite: PHYS 193; MATH 165. Offered: F.

PHYS 442 - Mathematical Methods of Physics II (3)

Further mathematical methods and applications used in theoretical physics. Lecture: 3 hours per week.

Prerequisite: PHYS 441. Offered: S.

PHYS 470 - Medical Physics (3)

Basic knowledge of atomic Physics and Quantum Mechanics as well as basic interactions of ionizing and non-ionizing radiation important in medicine.

Topics include photon, electron, and neutron interactions, high LET radiation, radioactivity, ultrasound interactions, and laser interactions. Also includes conventional X-ray radiology, digital radiography, computed tomography, ultrasound, and magnetic resonance imaging.

Prerequisite: PHYS 193. Offered: F.

PHYS 481 - Modern Physics I (3)

Elementary modern aspects of physics involving wave packets, special relativity theory, and photo electric effects. Lecture: 3 hours per week.

Prerequisite: PHYS 202. Offered: F.

PHYS 482 - Modern Physics II (3)

The concepts developed in PHYS 481 are further developed. Topics involve X-ray, Compton Effect, pair production, classical quantum theory, Schrödinger equations, quantum mechanical treatment of hydrogen atom and some basic ideas of solid-state physics. Lecture: 3 hours per week.

Prerequisite: PHYS 481. Offered: S.

PHYS 484 - Quantum Mechanics (3)

Basics principles of quantum mechanics covering the Schrödinger Wave Equations, operators and transformation theory, angular momentum, atomic structure, and perturbation theory. Lecture: 3 hours per week.

Prerequisite: PHYS 481; MATH 358. Offered: F; S.

PHYS 486 - Physics Seminar (1-3)

Covers subjects related to current developments in physics.

Prerequisite: Department Chair's written consent. Offered: F; S.

PHYS 487 - Sound (3)

Fundamentals of periodic phenomena wave motion in solid, liquid, gaseous media; introduction to acoustics. Lecture: 3 hours per week.

Prerequisite: Prerequisites or Co-requisites: PHYS 193; MATH 265. Offered: F; S.

PHYS 490 - Physics: An Integrated Approach (3)

This Physics Capstone course is a requirement for all graduating seniors majoring in physics. It is a consolidation of fundamental concepts in classical mechanics, relativity, electromagnetism, optics,

waves, thermodynamics, statistical mechanics, quantum mechanics, atomic physics and special related topics. Lecture: 2 hours per week; Seminar: 1 hour per week.

Prerequisite: Senior Standing. Offered: F; S.

PHYS 499 - Physics Research (1-2)

Faculty supervision of student research in current topics of Physics. Open to juniors and seniors with demonstrated ability to carry out independent work in Physics. Students may enroll for up to two semester hours credit.

Prerequisite: Instructor/Department Chair's written consent. Offered: F; S.

POLS - POLITICAL SCIENCE COURSE DESCRIPTIONS

POLS 200 Prerequisite applies to Political Science majors only.

POLS 200 - Introduction to Political Science (3)

Basic study of political science, its scope, methodology, structure of government, political institutions, and ideologies. Emphasizes, critical thinking, and writing. POLS 200 serves as a General Education elective.

Prerequisite: No Prerequisite. Offered: F.

POLS 298 - American National Government (3)

Structure and functions of the American national government. Nature of the federal system, the Constitution, citizenship, and popular participation in governing. Extent and character of national power. Changing nature of relations of national government to the states and to the individual. Working knowledge of good citizenship in everyday life. No prerequisite

Prerequisite: No Prerequisite. Offered: F; S.

POLS 299 - State and Local Government (3)

Critical examination of state and local governments and their governing capacities. Examination of the social and economic characteristics, legal structures, political processes, fiscal strength, leadership resources, and policy choice of state and local governments. Emphasizes the similarities and differences among the states and their importance in the federal system of government. Discussion of

topical issues pertaining to states would form a basis of additional discussion. Students will prepare an electronic portfolio. No prerequisite

Prerequisite: No Prerequisite. Offered: S.

POLS 305 - Political Theory (3)

Examines, evaluates and possibly alters students' personal value commitments through an exposure to varying political theories that have been adopted in addressing persistent political problems. Topics such as: political associations, the role of politics in personal growth, competing theories of justice; liberalism; conservatism; feminism; freedom and self-actualization, representation, social cohesion; the idea of moral communities are all theories covered in this class. No Prerequisites.

Prerequisite: No Prerequisite. Offered: S.

POLS 307 - American Political Ideas (3)

Analysis of American ideas on law and government, authority and civil liberty, oligarchy and democracy, from the Puritans to the present time. Emphasizes the thoughts of Hamilton, Jackson, Calhoun, Lincoln, Thoreau, Belany, Henry George, Wilson, Hoover, Roosevelt, Holmes, Dewey, Reagan, and others.

Prerequisite: No Prerequisite. Offered: S, F.

POLS 310 - American Presidency (3)

Covers the development of presidential power and functions, the contemporary operations of the presidency and the challenges which may confront the presidency in the future. No prerequisite

Prerequisite: No Prerequisite. Offered: S.

POLS 311 - Political Science Methods (3)

Introduces Political Science Research methods and procedures for collecting and analyzing political data. Student will learn research methods fundamentals as well as develop skills to conduct quantitative research. Data interpretation is essential. Research on a specific political data is required. Research project is evaluated

Prerequisite: Student from other majors needing a research methods course may take this class. Offered: F; S.

POLS 402 - Politics and Problems of Contemporary Africa (3)

A broad overview of politics and society in Africa, organized thematically to explore issues such as

colonialism, ethnicity, nationalism, class, ideology, legitimacy, sovereignty, and democracy. Investigation of the role of the state in economic and political development, global political economy, international division of labor, international development, and the challenges and contradictory implications of globalization for African politics.

Prerequisite: No Prerequisite. Offered: S.

POLS 403 - American Foreign Policy (3)

Study of the United States' political, economic, social, and cultural involvements in the international arena, and major foreign policy decisions, including their short- and long-range impact on United States relations with other countries of the world. No prerequisite.

Prerequisite: No Prerequisite. Offered: S.

POLS 404 - Comparative Politics (3)

Search for similarities and differences between political systems, their environments, and structures. Examination of the functions of political systems (such as socialization, recruitment, and communications), process functions (such as interest articulation, interest aggregation, policy making, and policy implementation and adjudication), and policy functions (such as extraction, regulation and distribution). Systematic evaluation of how and why capitalist democracies differ and how differences in political representation, political design, and historical experience produce widely differing patterns of policy making. Discussion of area studies (Britain, France, Germany, Japan, China, Mexico, Brazil, Nigeria, Russia, India, Egypt, and the United States).

Prerequisite: No Prerequisite. Offered: F.

POLS 483 - International Relations (3)

Surveys major theoretical approaches to international relations, the nature of world politics, methods and goals of diplomacy, and controls of State behavior. No prerequisite.

Prerequisite: No Prerequisite. Offered: F.

POLS 484 - International Organization (3)

Explores membership in international and regional organizations, their genesis and historical evolution. Examines the activities of governmental and non-governmental organizations; their logic of design; their objectives; and some of the ways these

organizations respond to global challenges such as threats to international peace and security and, in particular, terrorism; egregious international crimes; endemic poverty; global warming; and persistent underdevelopment among some members of the international community.

Prerequisite: No Prerequisite. Offered: S.

POLS 485 - Internship Seminar (1)

Prior to departing for fieldwork, students enroll in a one-credit course focusing on the mechanics of working in large organizations and personnel practices.

Prerequisite: Instructor's written consent.

POLS 486 - Internship Fieldwork In Political Science (3, 6)

Students enroll in internship or fieldwork programs under the direction of a faculty member. Students prepare and read substantial bibliography, write a major research paper or its equivalent on the internship assignment and confer regularly with the professor.

Prerequisite: Instructor's written consent.

POLS 490 - Independent Study or Special Problems in Political Science (1, 2, 3)

May be used as an elective in the major on special projects or research agenda proposed by a student working in consultation with faculty members. Faculty member provides a detailed synopsis of the work to the Departmental Chair for approval before student embarks on independent study.

Prerequisite: Senior Level Student.

POLS 499 - Seminar/Research in Political Science (3)

A capstone course which utilizes knowledge accrued by the student throughout the four years of study. Students demonstrate competence and readiness in applying knowledge, skills and abilities in the professional world. Students formulate their own research topic and write research reports of a substantive nature. Students demonstrate their complete understanding of the major paradigms within the discipline and their own world view of political and social phenomena. The completed portfolio is due at the end of the semester.

Prerequisite: Junior or Senior Status. Offered: S.

PSY - PSYCHOLOGY COURSE DESCRIPTIONS

PSY 212 - General Psychology (3)

An introductory course that promotes an understanding of scientific methods and application to the study of basic concepts of human behavior. Topics include motivation, sensory processes, perception, thinking, learning, personality, and social factors. This course is a prerequisite to all other courses offered by the department.

Prerequisite: No prerequisite. Offered: F; S; SS.

PSY 221 - Professional Perspectives in Psychology (1)

An orientation to career options in psychology at bachelor's, master's and doctoral level in addition to researcher in psychology and APA format. As course topics are highly relevant to their immediate and long-term success, students are strongly encouraged to take this course immediately after PSY212.

Prerequisite: PSY 212. Offered: F; S; SS.

PSY 250 - Developmental Psychology (3)

A comprehensive study of development from birth through senescence. Psychological, biological, intellectual, personality, and social process factors that impact development are viewed within theoretical and cultural frameworks.

Prerequisite: PSY 212. Offered: S.

PSY 260 - Psychology of Adjustment (3)

An examination of personal growth and adjustment processes related to the demands of modern life. Theories, research, and real-life applications on adjustment and growth issues. Includes self-concept, stress, mental and physical health, gender and sexuality, relationships, marriage and family, work, aging, and cultural diversity.

Prerequisite: PSY 212. Offered: F.

PSY 296 - Environmental Psychology (3)

Understanding how people experience and interact with their environment is crucial for promoting sustainability and addressing climate change. This course explores all aspects of human-environmental interactions and the role of psychology in promoting sustainability, including issues related to sea-level rise, alternative energy, health, and environmental justice.

Prerequisite: PSY 212 or consent of instructor.

Offered: Prerequisite: PSY 212 or consent of instructor. Offered: F.

PSY 301 - Statistics and Research Design (4)

An introduction to psychological research, including research design, descriptive and inferential statistics, and the use of computers in psychology. Statistical techniques are utilized to describe data and conduct hypothesis testing. Lab time will be used to focus on the use of software applications for data analysis.

Prerequisite: A grade of 'C' or higher in PSY 212 and PSY 221. Offered: F; S; SS.

PSY 311 - Psychological Tests and Measurement (3)

Surveys the field of psychological tests with attention to measures of intelligence, attitude, personality, and interest. Test construction, validation, and standardization. Laboratory experiences include the administration, scoring, interpretation, and use of test results.

Prerequisite: A grade of 'C' or higher in PSY 212, PSY 221 and PSY 301. Offered: F.

PSY 320 - Psychology of Social Behavior (3)

An introduction to the concepts, principles, theories, and research in social psychology. Social psychology is the study of how the actual, imagined, or implied presence of others affects our behavior. Topics such as attitude change, social perception, interpersonal attraction, aggression, altruism, prejudice, and group dynamics will be discussed.

Prerequisite: PSY 212. Offered: S.

PSY 330 - Psychology of Personality (3)

Study of the basic theories underlying the structure, organization, and adjustment mechanism of personality. Examines the development of "normal" personality with an emphasis on principal factors controlling human behavior. Historical and contemporary theories are investigated.

Prerequisite: PSY 212. Offered: S.

PSY 340 - Psychology of Cultural Diversity (3)

Survey of concepts, theories and research that have contributed to the field of psychology. Historical and contemporary perspectives of diversity within psychology are examined in relation to theory, practice, social justice and social policy.

Prerequisite: PSY 212, PSY 250. Offered: S.

PSY 351 - Experimental Psychology (4)

A reading and writing intensive course introducing to the methods of science in psychology. Through lecture and laboratory experiences, the development, design, interpretation, and reporting of psychological research are examined leading to an experimental research proposal to be completed in PSY 490 - Psychology Senior Seminar course.

Prerequisite: A grade of 'C' or higher in PSY 212, PSY 221 and PSY 301. . Corequisite: Commitment to read, write, think critically and apply statistical concepts. Offered: F; S; SS.

PSY 360 - Abnormal Psychology (3)

A systematic appraisal of the development of human behavior that focuses on the contribution of biological and social factors to psychopathological thinking and behavior. Includes an examination of the formation of deviancy and current diagnostic procedures. Also presents clinical cases, treatment modalities, and legal and social issues.

Prerequisite: PSY 212. Offered: S.

PSY 370 - Physiological Psychology (3)

The study of anatomical and physiological bases of behavior. Emphasizes the function of nervous, sensory, motor, and endocrine systems in motivation, emotion, perception, and learning.

Prerequisite: BIOL 101, PSY 212, and PSY 351. Offered: S.

PSY 375 - Health Psychology (3)

Examines how biological, psychological, and social factors affect (1) health promotion efforts and the prevention and treatment of illness; (2) coping with stress, illness, and pain and; (3) the recovery and psychosocial adjustment of patients. Topics include lifestyle factors, health communication, and health promotion strategies.

Prerequisite: PSY 212. Offered: S.

PSY 380 - Psychology of Group Behavior and Inter-group Conflict (3)

Examines how human behavior is influenced by group membership. Application to the group influence in business, industry, politics, and education. Topics include group development and structure, group leadership and decision-making, crowd behavior and group conflict. Students can

expect to participate in small group activities during the course.

Prerequisite: PSY 212. Offered: S.

PSY 390 - Psychology of Addictions (3)

Psychological and physiological aspects of drug use, abuse, and other addictions. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse. Topics will also include other addictions, such as gambling.

Prerequisite: PSY 212. Offered: F.

PSY 400 - Sensation and Perception (3)

A study of sensory input function and the processes of interpreting and evaluating sensory information. Research methodology, theories, and research are examined in a way that emphasizes the major sensory system and its relationship to human perceptual processes.

Prerequisite: PSY 212, PSY 221 and PSY 301. . Offered: F.

PSY 407 - Community Psychology (3)

A comprehensive survey of the community as a functioning entity of the social environment with an emphasis on mental health problems, life stresses, and inter-group relations. The history, development, and current trends in community mental health. This course considers the application of psychological principles to overall community interaction.

Prerequisite: PSY 212/SOC 201. Offered: F.

PSY 410 - Industrial/Organizational Psychology (3)

The application of psychological principles to a variety of human problems in industry and organizations. Topics covered are personnel selection, training, and evaluation; human factors and engineering psychology; and the organizational and social context of human work.

Prerequisite: PSY 212. Offered: F.

PSY 420 - Counseling Principles and Practices (3)

An introduction to current counseling theories and expanded treatment practices. Provides a conceptual framework for implementing representative approaches in diverse counseling settings. Emphasizes meeting client needs by maximizing personal and academic development through the counseling process.

Prerequisite: PSY 212, PSY 330 or PSY 360.

Offered: S.

PSY 450 - Learning and Cognition (3)

An investigation of the manner in which new information is acquired and retained and how this affects learning acquisition. Emphasizes research methodology, findings, and the appropriate application to human learning and thinking.

Prerequisite: PSY 212, PSY 221, and PSY 351. .

Offered: S.

PSY 480 - Practicum in Psychology (3)

Participants spend 36 hours of laboratory/field experience under the joint supervision of a field supervisor and a member of the departmental faculty. Emphasizes the application of concepts and principles from coursework to applied field experiences. Students must attend orientation sessions prior to placement as well as debriefing and evaluation sessions during and following the practicum.

Prerequisite: Psychology major in senior year and Departmental Chair's written consent. Offered: S.

PSY 490 - Senior Seminar in Psychology (3)

Explores psychological concepts and issues through research projects. Students present individual reports of findings and defend research results. **This course is the capstone course for completion of the major in psychology.**

Prerequisite: PSY 221, PSY 301, PSY 351 and Psychology major in senior year, and written consent of the instructor and department chair . Offered: F; S.

RELG - RELIGION COURSE DESCRIPTIONS

RELG 200 - Introduction to Religion (3)

Religion as historical and cultural phenomenon, explored in its aesthetic, anthropological, ethical, historical, literary, philosophical, political, psychological, and sociological dimensions. This course is one of four required courses needed for the Religious Studies Minor (HIST 330, HIST 331, HIST 332).

Prerequisite: No Prerequisites.

RETIREMENT PLANNING COURSE DESCRIPTIONS

See Course Listings under Banking & Finance (p. 223).

SOC - SOCIOLOGY COURSE DESCRIPTIONS

SOC 201 - Introduction to Sociology (3)

Explore the nature of sociology as a social science, the sociological perspective or "sociological imagination," the key concepts and theories of sociological analysis, and the structure and changing nature of America's culture and social institutions.

Prerequisite: No Prerequisite. Offered: F; S.

SOC 201H - Introduction to Sociology Honors (3)

Sociology is the systematic and scientific study of human social behavior. Introduces sociological concepts, theories, methods, and research findings and includes topics such as social stratification, race relations, sex roles, and deviance. Entails self-directed study and in-class discussion of independent research projects.

Offered: S.

SOC 202 - Social Problems (3)

Defining and analyzing social problems, including the social construction of social problems, the nature and the extent of different social problems such as drugs and alcohol, poverty, unemployment health care, aging, crime and delinquency, prejudice and discrimination, and social problem research or policy connections.

Prerequisite: No Prerequisite. Offered: F; S.

SOC 207 - Race and Ethnic Relations (3)

Examine the evolving nature of America's social and cultural diversity in terms of different race and ethnic groups (Whites, Blacks, Hispanics, Asian-Americans, and American-Indians), the social and cultural differences between and among different races and ethnic groups; issues of racial prejudice, hatred, and discrimination, and the emerging laws and policies for a more inclusive society and culture in America in the 21st century.

Offered: F; S; SS.

SOC 297 - Social Research Methods (3)

Examine the nature and the methodology of social sciences, the nature of causality in social sciences, theory-research connections, competing methods of social research, techniques of social surveys, GSS (General Social Survey) data, and research-policy connections.

Prerequisite: SOC 201 or equivalent and SOC 346.
Offered: S.

SOC 304 - Sociology of Gender (3)

Sociology of Gender will highlight causes and consequences of behavioral expectations associated with masculine and feminine gender roles in modern societies. Emphasis is given to social learning, role conflict and social movement associated with social inequalities related to sex status.

Offered: F.

SOC 305 - Sociology of the African-American (3)

Explore the historical nature of the formation of African-American families, the shifting structure and nature of African-American families in the post-civil rights era, and the emerging service economy in the United States.

Prerequisite: No prerequisite. Offered: S.

SOC 306 - Urban Sociology (3)

Examine the emergence and the evolution of cities, the historical nature of urbanization in America, theories of urbanization and "urbanism as a way of life," the emergence of new cities in the context of globalization, and the social and cultural impact of cities and suburbanization.

Prerequisite: SOC 297. Offered: F.

SOC 325 - Sociology of Race and Crime (3)

Sociology of Race and Crime focuses on the dynamics of the relationship between race and crime. This course also examines various theories using crime and victimization datasets on the socio-economic and cultural variables.

Offered: F; S.

SOC 330 - Sociology of Deviant Behavior (3)

This course examines behaviors considered deviant in the United States. In addition, this course will explore major types of deviant behavior such as corporate crimes, extremist groups, sexual deviance, violence,

suicide, alcoholism and other drug addictions and cyber deviance.

Offered: F.

SOC 346 - Social Statistics (3)

Explore the nature of scientific methods and the art of scientific research, significance of statistics for social research and social policy-making, methods of data collection, organization, analysis, and interpretation including different descriptive and inferential statistical principles.

Prerequisite: SOC 201. Offered: F.

SOC 345 - Introduction to SPSS (3)

This course is an introduction to the Statistical Package for the Social Sciences (SPSS), a computer software for data processing and statistical analysis, enabling students without knowledge of programming or without programming aspirations to utilize the computer for scientific research.

Prerequisite: No prerequisite. Offered: F.

SOC 350 - Sociology of Media (3)

Sociology of Media will focus on mass media representations of gender, race, class, and politics, as well as the cultural, legal, economic, and institutional factors influencing the production of media texts. Types of Media to be discussed in the classroom include advertisements, film, news media, comic books, video games, "reality" television, and sitcoms.

Offered: F; S.

SOC 360 - Social Psychology (3)

Examine individuals and society from a socio-psychological perspective, particularly focusing on the influence of society on individuals, personality development, adult socialization, role behavior, self-evaluation, and conformity.

Prerequisite: SOC 201, PSY 212. Offered: S.

SOC 371 - Digital Sociology (3)

Digital Sociology will cover the sociological underpinnings of apps, likes, shares, profiles, and swipes. This course will primarily focus on critical perspective in regards to labor and new media, surveillance and privacy on social media networks, and contemporary issues of digital technologies and stratification by race, class, gender, and citizenship.

Offered: F or S.

SOC 385 - Social Theory (3)

Examine the role of theorizing in science and the history of social theory, the rise of classical sociological theories including the writings of Comte, Marx, Durkheim, Simmel and Weber, and the nature of the contemporary sociological theories of Parsons, Merton, C.W. Mills, Goffman and Wallerstein.

Prerequisite: SOC 201. Offered: F.

SOC 391 - Sociology of Terrorism (3)

This course emphasizes the histories, types, and theories of terrorism with a special focus on sociological approaches (e.g., social movement theories, network analysis, and ideology in analyzing the economic and political costs of such terrorism, and the forecast of terrorist acts in the future.

Offered: F; S.

SOC 401 - The Family (3)

Examine the history, origin, structure, functions, and roles of families as a core social institution.

Prerequisite: SOC 385. Offered: S.

SOC 412 - Social Stratification (3)

Examine the characteristics of social stratification, theories of social stratification, the rise of a new professional and corporate class, forms of social stratification; equal opportunities and the growth of civil rights issues and legislation; and the changing nature of class structure in America.

Prerequisite: SOC 201. Offered: S.

SOC 480 - Seminar in Human Terrain Systems in South Asia (3)

Examine the nature of the Human Terrain Systems (HTS) in South Asia, which is now a diaspora of many conflicting and contrasting ideals and ideologies in the socio-political-cultural spheres of the region, to enhance the socio-political-cultural knowledge base for effective operational decision making of the US military.

Prerequisite: SOC 201. Offered: S.

SOC 481 - Population (3)

Examine the composition and characteristics of population and population processes such as fertility, mortality, migration trends in population growth, the nature of contemporary global migration, identify

social and economic impact of population changes, and the nature of problems of the graying of America.

Prerequisite: SOC 385. Offered: S.

SOC 488 - Seminar in Sociology (3)

This course is a comprehensive survey of the fields of sociology with emphasis on independent study and group discussion of recent developments and trends. Students will complete independent reading and research on a topic to be selected under the supervision of an instructor. (Papers and oral reports as appropriate.)

Prerequisite: SOC 297 and SOC 385. Offered: F; S.

SOC 490 - Sociology of Globalization (3)

This course focus on the dynamics of global development and globalization and the roots and nature of social change by reviewing various theories (social, cultural, technological, political, and economic dimensions of global change).

Offered: F; S.

SOWK - SOCIAL WORK COURSE DESCRIPTIONS

SOWK 205 - Introduction to Social Work (3)

This course provides an overview of the profession of social work and introduces students to the history, mission, methods, and value base of the profession. Emphasis is on vulnerable and disadvantaged populations, generalist practice, and diverse fields of practice where professional social workers are employed.

Prerequisite: No Prerequisite. Offered: F; S.

SOWK 210 - Fundamentals of Interviewing (3)

This course introduces the various skills needed in conducting professional interviews. Students gain knowledge and practice skills to interact and engage with individuals and families. Special emphasis is placed on communication skills, verbal and non-verbal behaviors, and professional observations (first course in the professional social work practice sequence).

Prerequisite: No Prerequisite (Non-Majors), Prerequisite SOWK 205 (Social Work Majors). Offered: F; S.

SOWK 220 - Human Diversity (3)

This course introduces students to the various dimensions of human diversity. These dimensions include, but are not limited to, race, ethnicity, gender, sexual orientation, age, and social class.

Prerequisite: No Prerequisite (Non-Majors), Prerequisite SOWK 205 (Social Work Majors).
Offered: F; S.

SOWK 247 - Rural Social Work Practice (3)

This course introduces students to social work practice in rural communities. The course examines problems, issues, needs, strengths, challenges, and other conditions unique to rural and isolated communities. Emphasizes community-based service providers and public policies that impact rural and isolated communities.

Prerequisite: SOWK 205. Offered: S.

SOWK 250 - Introduction to Social Welfare (3)

This course provides an overview of the historical and contemporary development of social welfare in the United States. It also examines social problems, social policies, and service delivery systems.

Prerequisite: SOWK 205 and SOWK 210. Offered: S.

SOWK 255 - Faith-Based Organizations

This course explores and examines the historical and contemporary roles of faith-based organizations as informal social welfare providers. The course introduces students to the different types of faith-based organizations and newly enacted social welfare policies such as Charitable Choice and other faith-based initiatives developed to increase church-state partnerships. Emphasis is placed on the role of faith-based organizations in social service delivery and community development.

Prerequisite: SOWK 205. Offered: S.

SOWK 260 - Human Behavior in the Social Environment I: Childhood and Adolescence

Part one of a sequence of two courses that examines human behavior from a generalist social work practice perspective within the context of cultural, biological, psychological and sociological dimensions of human development. This course focuses on stages of human development from infancy to adolescence.

Prerequisite: SOWK 205. Offered: S.

SOWK 280 - Introduction to Gerontology (3)

This course introduces students to basic knowledge concerning the elderly. It is designed to demystify myths and provides realities about the aging process. Students are introduced to aging demographics, housing arrangements, financial services, and various organizations that assist the elderly population.

Prerequisite: No Prerequisites. Offered: F.

SOWK 310 - Advanced Interviewing and Intervention Skills (3)

This course introduces the various skills needed in conducting professional social work interviews. Students gain knowledge and practice skills to engage with individuals families, groups, organizations, and communities. Students will demonstrate verbal, non-verbal, and observation skills necessary for culturally competent social work practice. This course also reinforces the values and ethical principles embedded in the NASW Code of Ethics as students learn to use communication skills with a variety of client populations. Role-plays and video-taped interviews will provide students opportunities to demonstrate the professional use of self.

Prerequisite: SOWK 205 (Social Work Majors); No Prerequisites (Non-Majors). Offered: F; S.

SOWK 325 - Social Work with Military Families (3)

This course introduces students to military culture in which military personnel, veterans, and their families function. Special attention is given to the problems, needs, strengths, and challenges of military families. Students also gain knowledge, professional values, and practice skills to work effectively and ethically with military families at the beginning level.

Prerequisite: SOWK 205. Offered: F.

SOWK 333 - Social Work in Health Care (3)

This course introduces students to the specialized knowledge, skills, and ethical standards central to effective social work practice in health care settings. Special attention will focus on advanced practice skills and strategies relevant to health care settings with individual, families, groups, interdisciplinary teams, and service providers. This course also examines the roles and functions of health and medical social workers working in a variety of health care settings. Social work practice will be explored in the context of the psychosocial crisis of short and long term illnesses, disabilities and community-wide

disasters, crisis related to injury, and loss throughout the lifespan.

Prerequisite: SOWK 205, SOWK 210, and SOWK 220. Offered: S.

SOWK 342 - Crisis Intervention (3)

This course provides students with knowledge and skills needed to recognize and intervene appropriately in crisis situations. Special attention is given to the history of crisis intervention. Various crisis situations (i.e. homelessness, divorce, injury, unemployment, and natural disasters) will be explored.

Prerequisite: SOWK 205, SOWK 210, or written consent from the Instructor. Offered: S.

SOWK 343 - Social Work with Children (3)

This course focuses on problems, needs and services for children. Psychosocial development, intervention skills, theories, and techniques for working with children are emphasized in this course.

Prerequisite: SOWK 205, SOWK 210, SOWK 220, or Instructor's written consent. Offered: F.

SOWK 350 - Introduction to Forensic Social Work (3)

Forensic Social Work is a special field of social work practice that focuses on intervention with various size systems who are involved in the criminal justice, legal, or other systems. This course provides an introduction and overview of Forensic Social Work. Special attention is given to problems and issues related to child welfare, custody, crime, delinquency, violence, and divorce. This course also explores the vulnerable populations that Forensic Social Worker serves. In addition, the wide range of settings where Forensic Social Workers are employed are also examined.

Prerequisite: SOWK 205. Offered: S.

SOWK 367 - Social Work Practice I: Individuals, Families, and Groups (3)

This course focuses on generalist social work practice with individuals, families, and groups in the rural context. Students apply the Generalist Intervention Model to work with various size systems.

Prerequisite: SOWK 205, SOWK 210, SOWK 220, SOWK 247, SOWK 250 and SOWK 260 and Admission to the Social Work Program. Offered: F.

SOWK 370 - Social Welfare Policy (3)

This course examines national and international social welfare policies and programs that impact populations-at-risk. Students will be provided with an analytical framework for examining social welfare policies and programs.

Prerequisite: SOWK 205, SOWK 210, SOWK 220, SOWK 250 and SOWK 260 and Admission to the Social Work Program. Offered: F.

SOWK 372 - Human Behavior in the Social Environment II: Adulthood (3)

This course is Part two of a sequence of courses that examine human behavior from a generalist social work practice perspective within the context of cultural, biological, psychological and sociological dimensions of human development. Focuses on young to later adulthood.

Prerequisite: SOWK 205, SOWK 210, SOWK 220, SOWK 250, SOWK 260 and Admission to the Social Work Program. Offered: F.

SOWK 377 - Social Work in the School (3)

This course is designed to help prepare students for social work in the public school system. A special focus is placed on educational services to diverse groups of students including special needs immigrants, physically and mentally challenged and homeless individuals. A range of contemporary issues relevant to school-based services are explored (i.e. bullying, weapons in school and school violence). This course also addresses current federal and state (NC) laws and school social work ethics as they relate to practice with children and their families.

Prerequisite: Admission to the Social Work Program or Instructor's written consent. Offered: S.

SOWK 385 - Spirituality and Social Work Practice (3)

This course provides an opportunity for students to explore the role of spirituality in social work practice. This course provides an overview of the specialized knowledge, values, and skills needed to prepare students for spiritually-sensitive and culturally competent social work practice. Emphasis is on the various definitions of spirituality, the difference between spirituality and religion, major world religions and spiritual traditions, spiritual assessment tools, and how to conduct spiritual assessments across cultures.

Prerequisite: SOWK 205. Offered: S.

SOWK 390 - Research Methods in Social Work (3)

Introduces the social work research process. Topics include basic principles in social work research, problem formulation, research questions and hypotheses, data collection and analysis, single subject designs and social work research ethics.

Prerequisite: SOWK 205, SOWK 210, SOWK 220, SOWK 250, SOWK 260, SOC 245 and Admission to the Social Work Program. Offered: S.

SOWK 395 - Women and Religion (3)

This course examines women's historical and contemporary beliefs, practices, and roles as they relate to religion and gender issues.

Prerequisite: No Prerequisite. Offered: F.

SOWK 445-B - Social Work Field Experience and Seminar II: Part II (3)

A continuation of the Field Education Experience and Seminar I (SOWK 444-A & SOWK 444-B). 110 hours are required for completion of eight weeks of the Field Education Experience. Students gain an opportunity to discuss pertinent issues and concerns. Emphasizes the application of theory, intervention techniques, policy, research, and the professional use of self.

Prerequisite: Completion of all pre-professional and professional social work courses, SOWK 444-A & SOWK 444-B with a "C" or higher and written consent from the Director of Field Education. Offered: F.

SOWK 400 - The Aged and Society (3)

This course focuses on the social development of the elderly. Emphasis is on social security, housing, long-term care, Medicaid, Medicare, and activities of daily living as it impacts the elderly population.

Prerequisite: SOWK 205, SOWK 280 and SOWK 372 or written consent from the Instructor. Offered: S.

SOWK 405 - Social Work and the Law (3)

Emphasis is placed on crime and domestic violence, delinquency and juvenile justice, child welfare education, guardianship, mental health, and disabilities. Students will be given the opportunity to review legal documents, read case laws and statutes, and observe courtroom proceedings.

Prerequisite: Admission to the Social Work Program, SOWK 372, or Instructor's written consent. Offered: F.

SOWK 440 - Perspectives on Death and Dying (3)

This course provides historical and contemporary perspectives on death, dying, and bereavement. Students will explore various cultural, religious, and spiritual beliefs and practices used to embrace the death and dying process.

Prerequisite: SOWK 260 and SOWK 372 or Instructor's written consent. Offered: F.

SOWK 443 - Social Work Practice II: Organizations and Communities (3)

This course introduces students to generalist practice with organizations and communities in rural areas. Emphasis is placed on community organizing and development, community resources, supervisors and supervision, and Macro theories.

Prerequisite: SOWK 205, 210, 220, 247, 250, 260, 367, 370, and 372. Admission to the Social Work Program. Offered: S.

SOWK 444 - Social Work Field Education and Seminar I (6)

Students work in selected human service agencies. 220 hours are required for the completion of the first half of the Field Education Experience. The Field Seminar is designed to enhance the field education experience. Students gain an opportunity to integrate theory and practice, discuss pertinent issues and concerns, and to share new insights as they relates to the social work profession. Emphasizes the knowledge, values, and skills of generalist social work practice.

Prerequisite: Completion of all pre-professional and professional social work courses, Admission to the Social Work Program, and written consent from the Director of Field Education. Offered: F.

SOWK 444-A - Social Work Field Experience & Seminar 1: Part 1 (3)

The Social Work Field & Seminar 1-A is an internship requirement in the BSW program. SOWK 444-A is the first part of the internship process in which students will be required to complete a total of 110 hours per each eight weeks during their senior year at an assigned agency. Weekly Seminar classes will accompany the field experience which will be held on an alternate day.

Prerequisite: Completion of all required pre-professional and professional social work courses in the curriculum. Offered: S.

SOWK 444-B - Social Work Field Experience & Seminar 1: Part II (3)

The Social Work Field & Seminar 1-B is for social work majors during the summer semester of their senior year. It includes an internship placement at selected agencies two days per week. As part of the program, students will be completing 110 hours per eight weeks for a total of 220 hours. A weekly seminar class is held on alternate dates.

Prerequisite: Completion of all required pre-professional and professional social work courses in the curriculum. Offered: SS.

SOWK 445 - Social Work Field Education and Seminar II (6)

A continuation of the Field Education Experience (SOWK 444). 220 hours are required for the completion of the second half of the Field Education Experience. Students gain an opportunity to discuss pertinent issues and concerns. Emphasizes the application of theory, intervention techniques, policy, research, and the use of the professional self.

Prerequisite: Completion of SOWK 444 with a C" or higher and written consent from the Director of Field Education." . Offered: S.

SOWK 445-A - Social Work Field Experience and Seminar II: Part I (3)

A continuation of the Field Education Experience and Seminar I (SOWK 444-A & SOWK 444-B). 110 hours are required for completion of eight weeks of the Field Education Experience. Students gain an opportunity to discuss pertinent issues and concerns. Emphasizes the application of theory, intervention techniques, policy, research, and the professional use of self.

Prerequisite: Completion of all pre-professional and professional social work courses, SOWK 444-A & SOWK 444-B with a "C" or higher and written consent from the Director of Field Education. Offered: F.

SOWK 450 - Life and Living: Coping with Dying (3)

This course is part two of a sequence of courses focused on dying and bereavement. It is designed to provide intervention techniques to help individuals cope and adapt to life after the death of a loved one.

Emphasis is placed on cultural, religious, and legal issues facing survivors readjusting to society.

Prerequisite: SOWK 260, SOWK 372, and SOWK 440 or written consent from the Instructor. Offered: S.

SOWK 469 - Independent Research for Special Populations (3)

This course is designed to assist students in independent research on a selected special population of interest with emphasis on older adult issues and concerns.

Prerequisite: SOC 245 and SOWK 390 or related research course or written consent from the Instructor. Offered: F; S.

SOWK 499 - Capstone Course In Religion and Social Work (3)

Students will engage in Directed Independent Study that emphasizes an area of interest in religion and social work. Students will work with a Professor on an individual basis who have an interest in the selected topic

Offered: F:S.

SPACE SCIENCE COURSE DESCRIPTIONS

See Course Listings under Aviation Science (p. 220).

SPAN - SPANISH COURSE DESCRIPTIONS

SPAN 101 - Elementary Spanish (3)

Basic grammar, pronunciation, and reading for vocabulary building, cultural aspects and conversation.

Offered: F; S; S.

SPAN 102 - Elementary Spanish (3)

Basic grammar, pronunciation, and reading for vocabulary building, cultural aspects and conversation.

Offered: F; S; S.

SPAN 111 - Conversational Spanish (3)

Emphasizes the development of skills needed for oral communication. Practical vocabulary is applied to everyday activities through conversation.

Offered: F; S; S.

SPAN 112 - Conversational Spanish (3)

Emphasizes the development of skills needed for oral communication. Practical vocabulary is applied to everyday activities through conversation.

Offered: F; S; S.

SPAN 201 - Intermediate Spanish (3)

Review of grammatical principles; development of reading, writing, and conversation skills. Reading and interpretation of selected works; introduction to aspects of Spanish culture. Laboratory practice required of all students.

Prerequisite: SPAN 101, SPAN 102 or advanced placement (as determined by the instructor). Offered: F; S.

SPAN 202 - Intermediate Spanish (3)

Review of grammatical principles; development of reading, writing, and conversation skills. Reading and interpretation of selected works; introduction to aspects of Spanish culture. Laboratory practice required of all students.

Prerequisite: SPAN 101, SPAN 102 or advanced placement (as determined by the instructor). Offered: F; S.

SPAN 303 - Spanish Composition (3)

Advanced study of Spanish grammar with emphasis on intensive practice writing and composition. A two semester course sequence. It is required for the minor in Spanish.

Prerequisite: SPAN 201, SPAN 202 or written consent of the department chair. Offered: F; S.

SPAN 304 - Spanish Conversation (3)

Advanced study of Spanish grammar with emphasis on intensive practice writing and composition. A two semester course sequence. It is required for the minor in Spanish.

Prerequisite: SPAN 201, SPAN 202 or written consent of the department chair. Offered: F; S.

SPAN 401 - Survey of Spanish Literature (3)

Great works of literature representing Spanish and Spanish American writers as representatives of Spanish civilization and culture.

Prerequisite: SPAN 303, and SPAN 304 or advanced placement (as determined by the instructor). Offered: F.

SPAN 402 - Survey of Latino Literature (3)

Great works of literature representing Spanish and Spanish American writers as representatives of Spanish civilization and culture.

Prerequisite: SPAN 303, and SPAN 304 or advanced placement (as determined by the instructor). Offered: F.

SPCH - SPEECH COURSE DESCRIPTIONS

SPCH 201 - Voice and Diction (3)

Introduces principles of enunciation, elocution, voice development and improvement, vocal variety and expressiveness. Focuses on using the voice effectively, including volume, projection, rate and phrasing, inflection, and resonance. A cursory study of the International Phonetic Alphabet is presented.

Offered: F.

SPCH 214 - College Speech (2)

An introductory course in the principles of rhetoric, organization, style, and delivery as employed in formal public speaking.

Offered: F; S.

SPCH 312 - Oral Interpretation of Literature (3)

Study and practice in analysis and presentation of literature through oral interpretation. Techniques of oral reading studied and applied in classroom assignments and demonstrations. Designed for future teachers of English and language arts, as well as students of drama.

Prerequisite: ENGL 103 or ENGL 105H; ENGL 201, ENGL 202 or ENGL 203H, ENGL 204H and speech proficiency as determined by instructor. Offered: F.

SPCH 314 - Public Speaking (3)

A study of the principles of rhetoric, organization, style, and delivery as employed in the formal public speaking mode. Students present speeches that inform and persuade. Delivery techniques and impromptu theories of public address are introduced.

Offered: F; S; SS.

SPCH 316 - Argumentation and Debate (3)

Enhances learning skills in the areas of writing, speaking, critical thinking, research, and analysis by utilizing principles of planned discussion and persuasion. It is specifically intended to improve the oral expression of students through the delivery of arguments in debates and critiquing the arguments of others.

Offered: F.

SPED - SPECIAL EDUCATION COURSE DESCRIPTIONS

SPED 291 - Independent Study (1)

Gives the candidate the opportunity for individual focused study or research under direction of a faculty member. The student must submit a research or study plan, which must be approved by the department chair.

Prerequisite: Consent of instructor.

SPED 292 - Independent Study (2)

Gives the candidate the opportunity for individual focused study or research under direction of a faculty member. The student must submit a research or study plan, which must be approved by the department chair.

Prerequisite: Consent of instructor.

SPED 293 - Independent Study (3)

Gives the candidate the opportunity for individual focused study or research under direction of a faculty member. The student must submit a research or study plan, which must be approved by the department chair.

Prerequisite: Consent of instructor.

SPED 301 - Reading Practicum (2)

Candidates work individually with K-12 learners who are experiencing challenges in learning to read. They will implement the research-validated strategies that they learn in SPED 300 Assessing and Teaching Beginning Reading.

Corequisite: SPED 300. Offered: F.

SPED 302 - Assessing and Teaching Beginning Reading (4)

In this course, candidates will learn to assess and teach beginning reading using research-validated

strategies. Emphasis will be on phonemic awareness, phonic and structural analysis, vocabulary development, fluency, and comprehension. 30 hour field experience required

Corequisite: SPED 301. Offered: F.

SPED 334 - Assessment in Special Education (3)

Provides students with a basic overview of standardized and teacher-constructed assessment tools. Class discussions emphasize the possible uses, application, underlying concepts, and issues associated with standardized and teacher-constructed tests. Acceptable methods of selecting, administering, and interpreting an array of tests will be addressed.

Offered: F, SS.

SPED 370 - Introduction to Positive Behavior Support (3)

Provides students with the knowledge and skills to conduct functional behavior assessments, develop and implement behavior plans based on results of those assessments, and utilize the principles of positive behavior support. Research-validated instructional strategies will be utilized to facilitate learning across the curriculum.

Prerequisite: Consent of Department Chair or Advisor. Offered: S.

SPED 390 - Social Studies Methods in the Inclusive Classroom (3)

Addresses major concepts in Social Studies, such as problem-solution-effect, multiple perspectives, and factors of group success. Students plan, modify, and adapt instruction that assumes a global perspective on content and calls for distinct and developmentally appropriate pedagogies for 21st century learning. Technology use will be required.

Prerequisite: Admission to Teacher Education.

Crosslisted as: ELEM 390. Offered: S.

SPED 395 - Science Methods in the Inclusive Classroom (3)

Addresses major concepts in Science, utilizing scientifically-validated strategies to assist learners struggling in content area courses. Technology use will be required.

Prerequisite: Admission to Teacher Education.

Offered: S.

SPED 400 - Methods of Assessing & Teaching Writing to Diverse Learners (2)

Focuses on research-validated strategies in writing instruction. Concepts include: author versus secretary; writing process; writing workshops and peer-mediated instruction; embEd.D.ed mechanics instruction; and assessing writing using scoring rubrics.

Prerequisite: Admission to Teacher Education.
Offered: F.

SPED 431 - Mathematics Practicum (2)

A 30-hour field experience in a K-12 setting in which candidates will implement strategies learned in SPED 430.

Corequisite: SPED 430. Offered: S.

SPED 432 - Assessing & Teaching Mathematics to Diverse Learners (4)

Candidates learn to assess and teach mathematics to diverse learners. Candidates will provide instruction that moves from the concrete to the abstract and will utilize formative assessment data to make instructional decisions. Emphasis is placed on addressing underlying basic concepts while meeting grade level competencies. 30 hour field experience required

Prerequisite: Admission to Teacher Education.
Corequisite: SPED 431. Offered: S.

SPED 450 - Implementing Positive Behavior Support (3)

This course builds on SPED 370. Candidates utilize their knowledge, skills, and dispositions to conduct Functional Behavior Assessments and to develop and implement a Behavior Change Plan in the K-12 setting.

Prerequisite: SPED 370 and Admission to Teacher Education. Offered: S.

SPED 460 - Methods of Management & Organization (2)

Putting it all together: developing interdisciplinary instructional units that include research-based strategies; managing the case load; organizing the resource room; and special education process and procedures from RTI to ITP.

Prerequisite: Admission to Teacher Education.
Offered: F; S.

SPED 461 - Advanced Practicum: Secondary Schools (2)

Candidates practice and implement the skills and strategies they learn in SPED 460 and SPED 465.

Corequisite: SPED 460 and/or SPED 465. Offered: F; S.

SPED 466 - Advocacy & Collaboration (4)

This course will assist candidates to develop the leadership and communication skills required to be effective advocates of diverse students who struggle to successfully access the general curriculum. A special emphasis will be on post-secondary transitions. 30 hour field experience required

Prerequisite: Admission to Teacher Education.
Offered: F.

SPED 491 - Independent Study (1)

Provides the candidate the opportunity to engage in individual study or research under direction of a faculty member. The department chair must approve the study plan.

Prerequisite: Written consent of instructor.

SPED 492 - Independent Study (2)

Provides the candidate the opportunity to engage in individual study or research under direction of a faculty member. The department chair must approve the study plan.

Prerequisite: Written consent of instructor.

SPED 493 - Independent Study (3)

Provides the candidate the opportunity to engage in individual study or research under direction of a faculty member. The department chair must approve the study plan.

Prerequisite: Written consent of instructor.

STAT - STATISTICS COURSE DESCRIPTIONS

STAT 251 - Basic Statistics (3)

Introduction of display of data, numerical descriptive measures of data, basic idea of probability and probability distributions, sampling distribution of mean, estimation and hypothesis testing of one mean and one proportion, simple linear regression, and correlation.

Prerequisite: GE 115. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE.
Offered: F; S.

STAT 351 - Probability and Statistics I (3)

Calculus-based course in probability and statistics covering random variable, probability distributions, probability densities, distribution functions, sampling distributions, expectation, and moment generating functions. Also covers introduction of multivariate distribution including regression and correlation.

Prerequisite: MATH 165 or MATH 153. Offered: F.

STAT 352 - Probability and Statistics II (3)

Estimation and hypothesis testing theory. Analysis of variance. Simple and multiple regression. Analysis of categorical data. Non-parametric methods.

Prerequisite: STAT 351. Offered: S.

THEA - THEATER COURSE DESCRIPTION

THEA 221 - Appreciation of Drama (2)

Introduction of both the practice and literature of the theatre, with emphasis on drama as an art form: how the actor, director, and designer, function. Outstanding plays of major periods demonstrate technical, aesthetic aspects of theatrical production. Illustrated lectures, demonstrations, and classroom exercises.

Offered: F; S.

UAS - UNMANNED AIRCRAFT SYSTEMS COURSE DESCRIPTIONS

UAS 100 - Unmanned Aerial Systems (3)

This course is an overview of various available unmanned aerial systems (UAS) and their role in the aviation industry. Instruction will provide a comprehensive overview of the capabilities, requirements, and business opportunities associated with the UAS industry. It covers the background and impact of UAS, the legislation and regulatory requirements, concerns and considerations, business opportunities for civilian applications, and the future of UAS.

Prerequisite: None.

UAS 200 - UAS and NAS: Laws and Regulations (3)

This course will focus on the expanded use of UAS in the NAS along with the potential issues this surge in popularity may bring. Instruction will provide a comprehensive overview of the current regulations, the plan for integration, and the future implications.

Prerequisite: UAS 100.

UAS 250 - UAS Sensors and Payloads (3)

This course will examine how sensors and payloads on UAS are used and will provide students with a broad familiarity of the many different sensors utilized. Topics in sensor applications include commercial, wildlife management, precision agriculture, and other usages. Future UAS sensor forecasts and applications as well as legal considerations will be discussed.

Prerequisite: UAS 100.

UAS 350L - UAS Applications Lab1 (Design and Construction) (3)

This course will provide the students with the knowledge to build and test UAVs. Topics include: UAV platform, payload and component design, system integration and test and evaluation processes. Focus will be on design for reliability while always employing safety.

Prerequisite: UAS 250.

UAS 400L - UAS Applications Lab II (Precision Agriculture/Surveying) (3)

This course reviews the current state and future potential of UAS in precision agriculture and surveying. Students will learn about small UAS (sUAS) platforms for Precision Agriculture and surveying, sensors for Precision Agriculture, sensor data analysis, NDVI processing, software flight planning, and safety considerations. Hands-on lab activities using eBee Ag, Aeromapper EV2, and Robo Flight (RF) platform will take students through detail steps in deploying sUAS for Precision Agriculture and/or Survey Mapping applications.

Prerequisite: UAS 100.

UNIV -UNIVERSITY STUDIES COURSE DESCRIPTIONS

UNIV 110 - Freshman Seminar (1)

Assists students with adjustment to the University and provides them with both knowledge of and practice in the skills necessary for successful academic performance. Provides applications of skill development in note-taking, test-taking, textbook reading, study, time management, concentration, and listening. This course is required of all students and meets one 50-minute period per week.

Offered: F; S.

UNIV 120 - Freshman Seminar II

Freshman Seminar II is an extension of the first-semester Freshman Seminar course wherein students are further exposed to the intellectual culture of a university setting. As a source of further assistance in the transitional experience for freshmen, students will gain a better understanding of the necessity for reasoning and communication proficiencies as foundations for life-long intellectual and professional growth. Freshman Seminar II is a 1 credit hour course and is required of all new freshmen.

Offered: F, S.

UNDERGRADUATE FACULTY

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Betty Barr-Randolph	2003
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Leroy Benjamin Frasier*	Chairman, 1986
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Joseph Jenkins	2017
Clifford Bell Jones, Sr.*	Vice Chairman, 1986
Frederick Pendleton Markham III	1986
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Betty Sugg Meggs	Secretary, 2003
Harold Mitchell	2003
John Stuart Morrison, Esq.	Vice Chairman, 1996
Charles W. Penny	Chairman, 2003
Edna Gray Randolph '45*	Secretary, 1996
Abdul Rasheed	2016
William Douglas Rich	1993
Willie Daniel Riddick '71	Vice Chairman, 1989
James Samuel Roebuck	1986
Frank H. Skidmore	2005
Virginia Tillett	2017
Kermit Earle White*	Chairman, 1976
Elmer Vanray Wilkins*	Chairman, 1996
Andrew Healon Williams*	1997
Frederick Healon Williams	2007
Calvin Worsley	2001
Frederick L. Yates	2007

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(*President Emeritus, 1969-1974*)
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Thaddeus Vernon	Biology	1995
Beasley		
Helen Marshall	English	1998
Caldwell		
Thomas Lee	Physical	1992
Caldwell*	Education	
A. Latif	Physics	2007
Choudhury*		

Naginder Dhillion	Political Science-2	2009	Bernard Lee Peterson, Jr.*	English and Drama	1988
Vincent John de Gregorio*	Art	1986	William Porter	Geology	2015
William Rankin Gibson	Industrial Arts	1991	Maurice Cary Powers*	Geology	1991
Rachel Gragson	Music	2007	Andrew Lee Roberts*	Education	1995
Linda Bailey Hayden	Computer Science	2018	Floyd L. Robinson	Music	2001
Anne Marie Henderson*	English	1994	Georgia Long Smith*	Health	1987
Dale Edward Henderson Sr. '72*	Social Sciences	1994	Hazel Gallop Spellman '41*	Reading	1994
Julia Moore Hoffler*	English	1978	Lawrence Edwin Sugg *	English and Journalism	1986
Floyd Bernard Holley*	Sociology	1994	Louise Nixon Sutton *	Mathematics	1987
Johnny L.Houston	Math and Computer Science	2010	Dorothy Elliott Thomas *	Biology	1986
Barbara L. Johnson	Education	2013	James Hubert Townes*	Chemistry	1994
Evelyn Adelaide Johnson*	Music	1976	Curtis Delano Turnage '67*	Biology	1995
Carol Calloway Jones	English	2004	Rochelle Vann '47 *	Social Sciences	1994
Clara Griffin Jones '36 '40*	Education	1986	Robert Louis Vaughan	Physical Education	1995
Sultana A. Khan	Physics	2014			
Claudie James Mackey	Education	2018			
Helen Hemmingway Muldrow	Biology	1986			
William Julius Muldrow*	Psychology	1983			
Bishop Marvin Patterson*	Technology Education	1992			
Dan Mitchell Pearce*	Art	2001			

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