Elizabeth City State University

Undergraduate Catalog
2010-2012

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 status of Elizabeth City State University.

ECSU's Teacher Education Program is approved by the North Carolina State Board of Education and accredited by the National Council for the Accreditation of Teacher Education (NCATE). Its Industrial Technology Program is accredited by the National Association of Industrial Technology.

ECSU's Laboratory School is accredited by the National Association for the Education of Young Children (NAEYC).

The university as a whole, or through components of it, has current memberships 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 School Administrators
American Association of State Colleges and Universities
American Council on Education
American Library Association
Associated Collegiate Press
Association of International Educators
Association of Technology, Management and Applied Engineering-Accredited
Association for General and Liberal Studies
Association for Institutional Research
Association for Supervision and Curriculum Development (ASCD)
Association for Teacher Education Institutions
Association to Advance Collegiate Schools of Business
Carolinas Association of Collegiate Registrar and Admissions Officers
Central Intercollegiate Athletic Association (CIAA)
College Entrance Examination Board
Colleges and University Systems Exchange (Cause)
Council of Graduate Schools
Council on Social Work Education – Accredited
Council for the Advancement of Support of Education (CASE)
Council on Undergraduate Research
Intercollegiate Press
Mathematics Association of America
National Association for Equal Opportunity in Higher Education
National Association of College and University Attorneys (NACUA)
National Association of College and University Business Officers
National Association of Schools of Art and Design
National Association of School of Music-Accredited
National Association of Student Financial Aid Administrators
National Collegiate Athletic Association
National Collegiate Honors Council
National Cooperative Education Association
National Council of University Research Administrators
North American Association of Summer Sessions
North Carolina Association of Colleges for Teacher Education
North Carolina Association of Institutional Research
North Carolina Association of International Educators
North Carolina Cooperative Education Association
North Carolina Library Association
North Carolina Student Information System
Society for Human Resources Management (SHRM)
Southern Association of College and University Business Officers
Southern Association of Libraries
Student Information System Users

NOTE TO STUDENTS

The publisher of this catalog has attempted to present information which, at the time of preparation for printing, 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 and university libraries. Additional copies are available for $5.00 from the Office of the Registrar, Elizabeth City State University, 1704 Weeksville Road, Elizabeth City, NC 27909.

Elizabeth City State University 2010-2012

Undergraduate Edition

ELIZABETH CITY STATE UNIVERSITY

Elevate Higher. Emerge Stronger.

Elizabeth City, North Carolina 27909

www.ecsu.edu
Refer to this website for catalog updates.

SACS Accreditation Statement

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, Georgia 30033-4097 or call (404) 679-4500 for questions about the status of Elizabeth City State University.

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 of 1964, as amended by the Civil Rights Act of 1991 (CRA), the Americans with Disabilities Act of 1990 (ADA) as amended; Section 504 of the Rehabilitation Act of 1973; the Equal Pay Act of 1963; the Discrimination in Employment Act of 1967 (ADEA); 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 of 1974 (FERPA) — Part of PL 93-308; and the Family and Medical Leave Act of 1993 (FMLA).

MESSAGE FROM THE CHANCELLOR

Willie J. Gilchrist, Ed.D.

Students are our first priority at Elizabeth City State University. Our goal is to ensure academic excellence for each student by providing rewarding educational experiences and quality instruction in a nurturing environment. Through our degree programs and highly qualified faculty, we envision that, upon graduating, every ECSU student will be equipped with the skills to compete in an advanced and global society.

Campus life, designed for both our resident and commuter students, is also very important at Elizabeth City State University. We provide an atmosphere complete with a wide variety of social and cultural activities while maintaining a comfortable and safe environment conducive to personal development and academic achievement. Located in the historic Albemarle region of northeastern North Carolina, we are only an hour from the beaches of the Outer Banks of North Carolina and Virginia Beach, Virginia, where students may find countless opportunities to broaden their cultural and social experiences.

We will continue to provide the tools and services that will give our students a competitive edge. We look forward to your joining the Viking family as we dedicate our efforts and resources to facilitating your educational journey. Elevate Higher. Emerge Stronger.

Walter N & Henrietta B. Ridley Student Complex

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ACADEMIC CALENDARS

FALL SEMESTER 2010

Wednesday - Friday, August 11 – 13	Fall Faculty/Staff Institute
Thursday – Friday, August 12 – 13	New Student Orientation
Saturday, August 14	Weekend/Evening/Graduate Programs, and New Transfer Students Registration, 9:00 a.m. to 3:00 p.m.
Sunday, August 15	Residence Halls Open, All Students
Monday, August 16	Official Registration, 8:30 a.m. to 7:00 p.m. 7:30 p.m. - Classes Dropped for Pre-Registered Students not Officially Registered
Tuesday, August 17	**Late Registration, 8:30 a.m. – 3:00 p.m.** **All Classes Begin, 8:00 a.m.** **Drop and Add Period Begins**
Monday, August 23	Late Registration Ends **Drop and Add Period Ends**
Monday, September 6	Labor Day Holiday, Classes Dismissed, Offices Closed
Tuesday, September 7	Classes Resume, 8:00 a.m.
Wednesday, September 15	Fall 2010 Graduation Applications Due to Registrar's Office
Wednesday – Tuesday, October 6-12	Mid-Term Exams (All Students)
Wednesday, October 13	Last Day to Remove "I" Grades
Monday, October 18	Deadline for Posting Grades – 12:00 p.m.
Monday – Tuesday, October 18-19	Fall Recess
Wednesday, October 20	Classes Resume, 8:00 a.m.
Monday – Friday, October 25 - November 5	Academic Advisement/Pre-registration for Spring 2011, 8:00 a.m. – 5:00 p.m.
Monday, October 25	60% Deadline for Financial Aid Adjustments
Tuesday, November 2	Last Day to Withdraw from Classes and Receive a Grade of "W"
Friday, November 12	Last Day to Withdraw from the University and Receive a Grade of "WD"
Monday, November 15	Spring 2011 Graduation Applications Due to Registrar's Office
Wednesday - Friday, November 24 – 26	Thanksgiving Holiday, Classes Dismissed
Monday, November 29	Classes Resume, 8:00 a.m.
Tuesday, November 30	Last Day of Classes
Wednesday, December 1	Reading Day
Thursday, December 2	Reading Day
Friday – Tuesday, December 3 – 7	Final Examinations, Graduating Seniors
Friday – Thursday , December 3 – 9	Final Examinations, Weekend/Evening/Graduate Programs and Remaining Students
Wednesday, December 8	Deadline for Posting Graduating Seniors Grades – 12:00 p.m.
Wednesday, December 8	Last Day to Return Books Without Charge for Graduating Seniors
Friday, December 10	Last Day to Return Books Without Charge for Remaining Students
Saturday, December 11	Fall Commencement
Monday, December 13	Deadline for Posting all Other Grades - 3:00 p.m.

SPRING SEMESTER 2011

Tuesday – Wednesday, January 4-5	Spring Faculty/Staff Institute
Thursday - Friday, January 6 – 7	New Student Orientation
Saturday, January 8	Weekend/Evening/Graduate Programs Official Registration, 9:00 a.m. to 3:00 p.m.
Sunday, January 9	Residence Halls Open – All Students
Monday, January 10	Official Registration, 8:30 a.m. to 7:00 p.m. 7:30 p.m. - Classes Dropped for Pre-Registered Students not Officially Registered
Tuesday, January 11,	**Late Registration Begins, 8:30 a.m. – 3:00 p.m.** **All Classes Begin, 8:00 a.m.** **Drop and Add Period Begins**
Monday, January 17	Dr. Martin L. King, Jr.'s Holiday, Classes Dismissed, Offices Closed
Tuesday, January 18	Late Registration Ends Classes Resume, 8:00 a.m. Drop and Add Period Ends
Friday, March 11	Founders' Day
Saturday – Friday, March 5 – 11	Mid-Term Exams (All Students)
Tuesday, March 8	Last Day to Remove "I" Grades
Monday, March 14	Deadline for Posting Grades – 12:00 p.m.
Monday - Saturday, March 14 – 19	Spring Recess
Tuesday, March 15	Financial Aid Deadline for Priority Funding
Monday, March 21	Classes Resume, 8:00 a.m. 60% Deadline for Financial Aid Adjustments
Monday – Friday, March 21 - April 1	Academic Advisement/Pre-registration for Summer/Fall 2011, 8:00 a.m. – 5:00 p.m.
Tuesday, March 29	Last Day to Withdraw from Classes and Receive a Grade of "W"
Friday, April 15	Last Day to Withdraw and Receive a Grade of "WD"
Friday, April 22	Good Friday Holiday, Classes Dismissed, Offices Closed
Saturday, April 23	Saturday Classes Dismissed
Monday, April 25	Easter Monday, Classes Dismissed
Tuesday, April 26	Classes Resume, 8:00 a.m.
Saturday – Wednesday, April 23 – 27	Final Examinations, Graduating Seniors
Thursday, April 28	Deadline for Posting Graduating Seniors Grades – 12:00 p.m. Last Day of Classes Last Day to Return Books Without Charge for Graduating Seniors
Friday, April 29	Reading Day
Saturday, April 30	Final Examinations, Weekend/Evening/Graduate Programs
Monday – Friday, May 2 – 6	Final Examinations, Remaining Students
Saturday, May 7	Spring Commencement
Monday, May 9	Last Day to Return Books Without Charge for Remaining Students Deadline for Posting all Other Grades – 3:00 p.m.

FALL SEMESTER 2011

Tuesday – Wednesday, August 9–10	Fall Faculty/Staff Institute
Thursday – Friday, August 11–12	New Student Orientation
Saturday, August 13	Weekend/Evening/Graduate Programs, and New Transfer Students Registration, 9:00 a.m. to 3:00 p.m.
Sunday, August 14	Residence Halls Open, All Students
Monday, August 15	Official Registration, 8:30 a.m. to 7:00 p.m. 7:30 p.m. - Classes Dropped for Pre-Registered Students not Officially Registered
Tuesday, August 16	**Late Registration, 8:30 a.m. – 3:00 p.m.** **All Classes Begin, 8:00 a.m.** **Drop and Add Period Begins**
Monday, August 22	Late Registration Ends Drop and Add Period Ends
Monday, September 5	Labor Day Holiday, Classes Dismissed, Offices Closed
Tuesday, September 6	Classes Resume, 8:00 a.m.
Thursday, September 15	Fall 2011 Graduation Applications Due to Registrar's Office
Wednesday – Tuesday, October 5-11	Mid-Term Exams (All Students)
Wednesday, October 12	Last Day to Remove "I" Grades
Monday, October 17	Deadline for Posting Grades – 12:00 p.m.
Monday – Tuesday, October 17-18	Fall Recess
Wednesday, October 19	Classes Resume, 8:00 a.m.
Monday – Friday, October 24 - November 4	Academic Advisement/Pre-registration for Spring 2012, 8:00 a.m. – 5:00 p.m.
Monday, October 24	60% Deadline for Financial Aid Adjustments
Wednesday, November 2	Last Day to Withdraw from Classes and Receive a Grade of "W"
Tuesday, November 15	Spring 2012 Graduation Applications Due to Registrar's Office
Friday, November 18	Last Day to Withdraw from the University and Receive a Grade of "WD"
Wednesday – Friday, November 23 – 25	Thanksgiving Holiday, Classes Dismissed
Monday, November 28	Classes Resume, 8:00 a.m.
Tuesday, November 29	Last Day of Classes
Wednesday, November 30	Reading Day
Thursday, December 1	Reading Day
Friday – Tuesday, December 2 – 6	Final Examinations, Graduating Seniors
Friday – Thursday , December 2 – 8	Final Examinations, Weekend/Evening/Graduate Programs and Remaining Students
Wednesday, December 7	Deadline for Posting Graduating Seniors Grades – 12:00 p.m.
Wednesday , December 7	Last Day to Return Books Without Charge for Graduating Seniors
Friday, December 9	Last Day to Return Books Without Charge for Remaining Students
Saturday, December 10	Fall Commencement
Monday, December 12	Deadline for Posting all Other Grades - 3:00 p.m.

Spring Semester 2012

Tuesday– Wednesday, January 3-4	Spring Faculty/Staff Institute
Thursday - Friday, January 5 – 6	New Student Orientation
Saturday, January 7	Weekend/Evening/Graduate Programs Official Registration, 9:00 a.m. to 3:00 p.m.
Sunday, January 8	Residence Halls Open - All Students
Monday, January 9	Official Registration, 8:30 a.m. to 7:00 p.m.
	7:30 p.m. - Classes Dropped for Pre-Registered Students not Officially Registered
Tuesday, January 10	**Late Registration Begins, 8:30 a.m. - 3:00 p.m.**
	All Classes Begin, 8:00 a.m.
	Drop and Add Period Begins
Monday, January 16	Dr. Martin L. King, Jr.'s Holiday, Classes Dismissed, Offices Closed
Tuesday, January 17	Late Registration Ends
	Classes Resume, 8:00 a.m.
	Drop and Add Period Ends
Friday, March 2	Founders' Day
Saturday – Friday, March 3 – 9	Mid-Term Exams (All Students)
Tuesday, March 6	Last Day to Remove "I" Grades
Monday, March 12	Deadline for Posting Grades - 12:00 p.m.
Monday - Saturday, March 12 – 17	Spring Recess
Thursday, March 15	Financial Aid Deadline for Priority Funding
Monday, March 19	Classes Resume, 8:00 a.m.
	60% Deadline for Financial Aid Adjustments
Monday – Friday, March 26 - April 6	Academic Advisement/Pre-registration for Summer/Fall 2012, 8:00 a.m. – 5:00 p.m.
Tuesday, March 27	Last Day to Withdraw from Classes and Receive a Grade of "W"
Friday, April 6	Good Friday Holiday, Classes Dismissed, Offices Closed
Saturday, April 7	Saturday Classes Dismissed
Monday, April 9	Easter Monday, Classes Dismissed
Tuesday, April 10	Classes Resume, 8:00 a.m.
Friday, April 13	Last Day to Withdraw and Receive a Grade of "WD"
Saturday – Wednesday, April 21 – 25	Final Examinations, Graduating Seniors
Thursday, April 26	Deadline for Posting Graduating Seniors Grades – 12:00 p.m.
	Last Day of Classes
	Last Day to Return Books Without Charge for Graduating Seniors
Friday, April 27	Reading Day
Saturday, April 28	Final Examinations, Weekend/Evening/Graduate Programs
Monday, April 30	Reading Day
Tuesday – Monday, May 1 – May 7	Final Examinations, Remaining Students
Saturday, May 5	Spring Commencement
Monday, May 7	Last Day to Return Books Without Charge for Remaining Students
Tuesday, May 8	Deadline for Posting all Other Grades – 3:00 p.m.

CORRESPONDING DIRECTORY

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

General

Dr. Willie J. Gilchrist, Chancellor
Ms. Gwendolyn Sanders, Executive Assistant to the Chancellor
Mr. William Smith, Vice Chancellor for Institutional Advancement
Mr. Ben Durant, Vice Chancellor for Business and Finance
Mrs. Bernetta H. Brown, Attorney, Legal Assistant to the Chancellor
Mr. Robert Gaines, Special Assistant to the Chancellor
Mr. Anthony K. Adade, Chief Information Officer
Mrs. Donna James-Whidbee, Acting Director for Human Resources
Mr. Thurlis Little, Director of Athletics
Mrs. Pattie Smith, Director Internal Audit
Dr. Damon Wade, Director of Institutional Effectiveness, Research and Assessment
Dr. Monette Williams, Director of Enrollment Management and Retention
Mr. Vincent L. Beamon, University Registrar
Mr. Kenneth B. Wilson, Director of Financial Aid
Mr. Darius Eure, Acting Associate Director of Admissions

Academic Affairs and Academic Support

Dr. Ali A. Khan, Provost and Vice Chancellor for Academic Affairs
Dr. Eric Thomas, Associate Vice Chancellor for Academic Affairs
Dr. Barbara Johnson, Associate Vice Chancellor for Academic Affairs
Ms. LoraAnn E. Barclift, Executive Assistant to the Vice Chancellor
Dr. Murel M. Jones, Dean, School of Arts and Humanities
Dr. David Bejou, Dean, School of Business and Economics
Dr. Charles Cherry, Interim Dean, School of Education and Psychology
Dr. Harry Bass, Dean, School of Mathematics, Science and Technology
Dr. Juanita Midgette, Director of Library Services
Mr. Derrick L. Wilkins, Chairperson, Department of General Studies
Mr. George M. Brown, Director of Small Business Technology Development Center
Ms. Jean Bischoff, University Archivist
Ms. Patricia Gibbs, Director of Sponsored Programs, Contracts and Grants
Dr. Paula Viltz, Director of Graduate Education
Dr. Sultana Khan, Director of Planetarium
Dr. Kimberley Stevenson, Director of Distance and Continuing Education

Student Affairs

Dr. Anthony Brown, Vice Chancellor for Student Affairs
Ms. Barbaina Houston-Black, Associate Vice Chancellor for Student Affairs
Mrs. Deborah G. Branch, Associate Vice Chancellor for Student Affairs
Mr. Brutus N. Jackson, Director of Career Services
Mrs. Regina McCoy-Davis, Director of Student Health Services
Mr. Sam L. Beamon, Chief of Police
Mr. Carlas White, Director of Student Activities
Mr. Stephen Sylvester, Director of Housing and Residence Life
Dr. Roosevelt Askew, Director of Counseling & Testing Center

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Mr. Ben Durant, Vice Chancellor for Business and Finance
Mrs. Sheila Faucette, Associate Vice Chancellor for Business and Finance
Mrs. Gina Knight, Controller
Mrs. Sharnita Wilson-Parker, Director of Budgets
Mr. Dennis Leary, Director of Physical Plant
Mr. Charles Hall, Director of Design and Construction
Mr. Frankie Brinkley, Director of Procurement and Materials Management
Mrs. Doraine Spence, Director of Auxiliary Services

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Mrs. Melanie Blackford, Director of Development
Mrs. Barbara Sutton, Director of Alumni Relations
Mrs. Melba Smith, Director of Radio and TV Services
Ms. Rhonda M. Hayes, Director of University Relations and Marketing
Ms. Sherri Belfield, Director of Marketing
Ms. Kesha Williams, Director of Media Relations
Ms. Alicia Harrell, Director for Annual Giving
Mr. Morris A. Autry, Director of HUD/Community Development Program

General Information

History of The University of North Carolina

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of the University of North Carolina. The multi-campus state university encompasses 16 such institutions, as well as 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 ten remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State Univetsity, 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 and clubs. Fraternities and sororities are also available to students as well as a variety of athletic sports 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, 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 the university is just over an hour's drive from the Norfolk (Virginia) International Airport.

The university 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 & Development

Elizabeth City State University has been a growing, coeducational, undergraduate, public, 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, Archives and Records Center (then one of the 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, his 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 eighth chief executive officer of the

institution upon election by the UNC Board of Governors. Dr. Burnim quickly demonstrated his ability and interest in moving the university 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 program in elementary education, biology, and mathematics; 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 has 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 has 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 the university'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.

Under the leadership of Chancellor Burnim, national validation of the university's exemplary status was received from US News and World Report, who ranked ECSU among its peers as #1 in the category of Top Public Comprehensive Colleges in the south in 2004 and ranked the university #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; as well as 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, Elizabeth City State University begins its third year with Chancellor Willie J. Gilchrist as the ninth, chief executive officer. Since his arrival, Dr. Gilchrist emphasized the enhancement of master's degree programs, online distance learning and increasing grant and research opportunities for faculty. 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 eight minors that will prepare them for an assortment of new jobs in aviation and avionics. The teacher education program also prepares students to become experts in health and physical education, research and counseling. The UNC-Chapel Hill/ECSU Pharmacy Partnership prepares students for careers as practicing pharmacists or pharmaceutical scientists. Increasing the number of pharmacists working in northeast 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 fall semester (September) 2010.

Due to a shortage of teachers across the state, Dr. Gilchrist also places strong emphasis on the university's teacher education program. North Carolina will need over 12,900 teachers for the 2012-2013 school year. As current teachers retire and the state 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 has shown several signs of growth. Since his interim appointment as chancellor in 2006, student enrollment increased from 2,681 to 3,307 students in the fall of 2010. U.S. News and World Report ranked ECSU #2 in the category of Top Public Schools: Regional Colleges

(South) (2010).

To better serve the growing student body, faculty and staff, as well as guests from the community, over 700 parking spaces have been added to the campus. Under his administration, the university purchased two 56-passenger busses that comfortably transports students, coaches, staff and faculty to destinations across the northeast and southeast. In addition, the university owns one 12-passenger; a handicap accessible shuttle, one 25-passenger bus and a new, Cessna Skyhawk, (a single engine airplane) 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 Hall, the G.R. Little Library, the Mickey L. Burnim Fine Arts Center, the auditorium of Moore Hall, the lobby of the K. E. White Graduate and Continuing Education Center . A new, 48,000 square foot building for the School of Education and Psychology is scheduled for completion in November of 2011. All are indicators of the growth and development underway at ECSU.

Enrollment Management and Retention

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, Registrar, and Retention.

Admissions and Recruitment

The Office of Admissions and Recruitment 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 ECSU community.

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.

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.

University Retention

The Office of Retention is dedicated to planning, coordinating, and administering retention efforts aimed at significantly improving the academic and social experience of our students. We are vested in a holistic approach to student success, and our retention efforts are framed with this in mind. Whether academic, social, personal, or financial, we are dedicated to helping students overcome obstacles to student success.

In an effort to increase student retention, we work in collaboration with the Offices of Academic Advisement, Academic Support Center, Tutorial Services, New Student Orientation, Counseling and Testing Services, and other campus programs to help students connect with the university and to complete their studies successfully.

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 the university at the start of their senior year of high school. Closing dates for the submission of a completed application are listed below:

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

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

Application Process

1. Application forms may be obtained from the guidance office in your high school, community college, or by writing:
   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, 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). Applications must list all colleges attended including date(s) of attendance.
4. After being accepted, each student is required to submit the College Health Form which includes health history and a recent physical examination, including a Serology Test. The completed Health Form signed by a licensed physician, should be mailed to Student Health Services, Elizabeth City State University, Campus Box 885, 1704 Weeksville Road, Elizabeth City, North Carolina 27909. Students who do not submit properly completed Health Forms by the end of the first two weeks of the semester in which they matriculate will be subject to dismissal.

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.

Minimum Course Requirements

All applicants must meet the following minimum course requirements to be eligible for admission:

Six course units in **language**, including:

- Four units in English, and
- Two units of a language **other than English**.

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

- Algebra I and II, Geometry, and one unit beyond Algebra II,
- Algebra I and II, and two units beyond Algebra II, or
- Integrated Math I, II, and III, and one unit beyond Integrated Math III.

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), SAT or ACT score. 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.

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.

In-State

Students Entering in the Fall	Minimum GPA	Minimum SAT	Minimum ACT
2011	2.3	750	16
2012	2.3	750	16
2013 and beyond	2.5	800	17

Out-of-State

Students Entering in the Fall	Minimum GPA	Minimum SAT	Minimum ACT
2011	2.3	800	17
2012	2.3	800	17
2013 and beyond	2.5	850	18

**Each campus will have an exception to these admission requirements of 1% of the number of currently admitted students.*

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 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 critical reading will be combined with the highest score received on mathematics.

Q. What if my GPA is over 2.3, but my SAT is less than 750 (as an in-state student) or 800 (as a out-of-state student), 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 is handled on a case by case basis and in rare instances.

Q. What if I graduate in 2012, but do not apply to Elizabeth City State University until 2010, 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 count toward admissions?
A. It depends. If you complete the A.A. or A.S. degree, then the minimum 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, 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 for students seeking to transfer from junior and/or community colleges or four-year colleges and universities accredited by their respective regional associations if the applicant has an overall GPA of 2.0 (C) or above and 24 transferable credit hours.
2. Each transfer applicant must provide official transcripts covering all college work. College courses that have not been completed within the last seven years will not be accepted automatically 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 Elizabeth City State University.
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 student must be eligible to return to the previous institution. Therefore, a transfer clearance form must be submitted by all applicants.

Transient 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 Elizabeth City State University.
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 who are designated as those who are: (a) seeking certifications, (b) seeking licensures, (c) members of a college/university consortium, or (d) auditing courses. For specific questions on any of these categories, please contact the Office of Admissions and Recruitment at (252) 335-3305.

Readmission: Reinstatement of Former Students

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 studies of more than six (6) years are governed by the catalog year of readmittance to the university.

Students wishing to return to the university after voluntary or involuntary absence must apply for readmission, and complete one of the following processes:

Category A

Students who have had a break in their education studies of less than two (2) years with no additional college course work, since their last date of attendance at ECSU, should:

1. Report to the Admissions' Office and complete a re-admit form.
2. See an academic advisor to review course curriculum requirements.

Category B

Students who have had a break in their education studies of more than two (2) years and/or attended another institution since attending ECSU should:

1. Report to the Admissions Office;
2. Complete an application and pay the admissions fee;
3. Evaluate all new course work, if needed; and
4. See an Academic Advisor to review course curriculum requirements.

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 readmitted until their balance is paid in full.

Residence Status for Tuition Purposes

The Admissions Office determines the residence status of all new and returning students for the purpose of paying tuition. Responses on the application for admission; the North Carolina Residence and Tuition Status Application; and other evidence furnished by the students are used in making this determination. Students who fail to submit adequate information to establish a right to be classified as a resident of North Carolina will be classified as a non-resident.

It is the student's responsibility to verify his/her residency status before to the university. Students paying incorrect fees will be billed for the difference in the tuition rates.

To qualify as a resident for tuition purposes, a person must become a legal resident and remain a legal resident for at least 12 months immediately prior to classification. The burden for establishing facts justifying classification as a resident entitled to in-state tuition rates is on the applicant, who must show his or her entitlement by the preponderance of the residential information.

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

Parents' Domicile

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

Effect of Marriage

Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstance ensure that a person will become or continue to be a resident for tuition

purposes. Marriage and the legal residence of one's spouse is relevant information in determining residential intent. For example, if both a husband and his wife are legal residents of North Carolina and if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the 12-month requirement for in-state tuition status.

Military Personnel

A North Carolinian who serves outside the state in the Armed Forces does not lose North Carolina domicile simply by reason of such service. Students from the military may prove retention or establishment of residence by reference, as in other cases, to residential acts accompanied by residential intent.

In addition, a separate North Carolina statute affords tuition rate benefits to certain military personnel and their dependents even though not qualifying for the in-state tuition rate by reason of 12 months' legal residence. Members of the armed services, while stationed and, concurrently, living in North Carolina, may be charged a tuition rate lower than the out-of-state tuition rate to the extent that the total of entitlements for applicable tuition costs available from the federal government, plus certain amounts based on a statutory formula for the in-state tuition rate, is a sum less than the out-of-state tuition rate for the pertinent enrollment. A dependent relative of a service member stationed in North Carolina is eligible for the in-state tuition rate while living in North Carolina with the service member if said dependent relative has met any requirement of the Selective Service System applicable to him/her. These tuition benefits may be enjoyed only if the applicable requirements for admission have been met; these benefits alone do not provide the basis for receiving those derivative benefits under the provisions of the residence classification statute reviewed elsewhere in this summary.

Grace Period

If a person has: (a) bona fide legal resident, (b) consequently been classified a resident for tuition purposes, and (c) subsequently lost North Carolina legal residence while enrolled at a public institution of higher education, that person may continue to enjoy the in-state tuition rate for a grace period of 12 months measured from the date on which North Carolina legal residency was lost. If the 12 months end during an academic term for which the person is enrolled at a state institution of higher education, the grace period extends to the end of that term. The fact of marriage to one who continues domiciled outside North Carolina does not in itself cause loss of legal residency marking the beginning of the grace period.

Minors

Minors (persons under 18 years of age) usually have the domicile of their parents, but certain special cases are recognized by the residence classification statute in determining residence for tuition purposes.

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

B. If a minor has lived for five or more consecutive years with relatives (other than parents) who are domiciled in North Carolina and if the relatives have functioned during this time as if they were personal guardians, the minor will be deemed a resident for tuition purposes for an enrolled term commencing immediately after at least five years in which these circumstances have existed. If under this consideration a minor is deemed to be a resident for tuition purposes immediately prior to his or her 18th birthday, that person on achieving maturity will be deemed a legal resident of North Carolina for at least 12 months' duration. This provision acts to confer in-state tuition status even in the face of other provisions of law to the contrary; however, a person deemed a resident of 12 months' duration pursuant to this provision continues to be a legal resident of the state only so long as he or she does not abandon North Carolina domicile.

Regained Domicile

If a student ceases enrollment at or graduates from an institution of higher education while classified a resident for tuition purposes and then both abandons and reacquires North Carolina domicile within a 12-month period, that person, if he or she continues to maintain the reacquired domicile into re-enrollment at an institution of higher education, may reenroll at the in-state tuition rate without having to meet the usual 12-month duration requirement. However, any one person may receive the benefit of the provision only once.

Change of Status

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

Foreign Students

Applicants from non-English-speaking nations must provide evidence of proficiency in the English language with their application for admission to Elizabeth City State University. Scores on the test of English as a Foreign Language (TOEFL) or the Michigan Test are required as are SAT/ACT scores; no application for admission is complete without such scores, and no Form I-20 will be authorized without them. For students born in non-English-speaking nations but educated in senior high schools in the United States, scores on the SAT or ACT can substitute for scores on the TOEFL or the Michigan Test. Each student must submit official proof of financial support and an English translation of all transcripts. It is preferred that all documents be sent to the Admissions Office six months prior to the date of entry.

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 with regard to placement in advanced courses and for college credit.

All students are encouraged to take these tests, and may qualify for advanced placement and credit by taking departmental tests in their area of extensive specialization. Based upon these test results, the amount and nature of the credit granted is determined by the Admissions Committee and the pertinent department of instruction. For further information, please request a copy of the Advanced Placement Program at Elizabeth City State University.

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, be regular in attendance, but 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.

How to Apply for Financial Aid

All students must complete and have processed a Free Application for Federal Student Aid (FAFSA), every year before we can offer financial aid. Students must also list our school code 002926, on the FAFSA via paper or Web (www.FAFSA.ed.gov) in order for us to obtain their financial aid data. Students who complete the application process by March 15th 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 June 1 (Academic Year), November 1 (Spring Semester), April 1 (Summer).

Should you have Financial Aid questions, please call: (252) 335-3283 or 1-800-529-8146

Grants

A grant is gift aid with no repayment required. Primarily, grants are for undergraduate students. The amount awarded is based on financial need, school cost, and enrollment status. Please refer to the Federal Student Guide for more details about other grants.

Federal Pell Grant

Pell Grants are awarded to eligible students who demonstrate financial need as determined by the result of the FAFSA. Award amounts are based on the assumption of 12 eligible hours per semester. If a student enrolls in fewer than 12 hours, funds will be reduced accordingly.

Federal Supplemental Educational Opportunity Grant (FSEOG)

FSEOG is awarded to students who do not have a bachelor's degree and who demonstrate exceptional financial need. Award amounts vary and are determined by the availability of funds. Priority is given to Federal Pell Grant recipients.

Academic Competitiveness Grant (ACG)

First year and second year (with a 3.0 GPA) undergraduate students are eligible to receive this award. Students must be a Federal Pell Grant recipient, enrolled full-time and have completed a rigorous secondary school program. Awards for this program are $750 for first year students and $1,300 for second year students.

National Science and Mathematics Access to Retain Talent (SMART) GRANT

Third year and fourth year students with a 3.0 GPA majoring in Biology, Chemistry, Physics, Geology, Marine Science, Mathematics, Computer Science, or Industrial Technology are eligible to receive this award. Students must be a U.S. citizen, a Federal Pell Grant recipient, and enrolled full-time. Awards for this program are $4,000 for each of the third and fourth academic year of study.

North Carolina Student Incentive Grant (NCSIG)

This program is administered by College Foundation of North Carolina and awards are available to legal residents of North Carolina who are enrolled full-time, and working toward a first baccalaureate degree. The FAFSA must be submitted by March 15 of each year; however, funds are typically exhausted by the end of February. College Foundation, Inc. determines a student's eligibility on a first applied/most needed basis.

University of North Carolina System Need-Based GRANT (UNCIG)

This program is administered by College Foundation of North Carolina and awards are available to legal residents of North Carolina who are enrolled at least 6 credit hours, and working toward a first baccalaureate degree. The FAFSA must be submitted by March 15 of each year. College Foundation, Inc. determines a student's eligibility on a first applied/most needed basis.

Appropriated Grant

This grant is available to North Carolina residents whose calculated need has not been met by federal need-based assistance. Awards are made on a first applied/most needed basis.

Vocational Rehabilitation Grants

Students with any type of impairment/disability (speech, hearing, sight, asthma, rheumatic heart, missing limbs, crippling disabilities, etc.) may contact their local Vocational Rehabilitation Center for counseling, evaluation, and determination of their eligibility for this program.

Scholarships

Awards are based upon varied 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. Most scholarships require a cumulative grade point average of 2.5. Contact your academic college or department for information on scholarships that are administered by them. Though not always indicated as such, most are reserved for upperclassmen who have demonstrated their academic abilities at ECSU. For a listing of additional scholarships, please visit the following websites:

www.cfnc.org
www.thurgoodmarshallfund.org

ECSU Foundation Scholarships

Most Foundation scholarships are awarded to entering freshmen that has a cumulative high school GPA of 2.5 or higher, a composite SAT1 score of 1200 or more (or composite ACT score of 17 or more). Awards are made to students with the highest test scores and high school GPA. New students must submit their Admissions application, test scores, high school transcript and apply for financial aid by March 15. To remain eligible for the scholarships, students must maintain a 2.5 GPA and reapply for financial aid by March 15. Non-freshmen scholarships are not renewable.

UNC Campus Scholarships

UNC Campus scholarship is awarded to entering freshmen that graduate from a North Carolina high school that have a cumulative high school GPA of 2.5 or higher, a composite SAT1 score of 1200 or more (or composite ACT score of 17 or more) and apply for federal aid by completing and submitting the Free Application for Federal Student Aid (FAFSA) by the required date. Eligible students must earn 15 semester hours each semester, agree to participate in the University's academic improvement effort, the First Year Experience, which will include an assessment of the students' general education background and readiness for upper division work. Each student must also exhibit high moral and ethical standards in personal and scholastic behavior as outlined by Elizabeth City State University's (ECSU) student handbook and Catalogue.

This award has a maximum value to equal the cost of tuition, fees, room, board, and books up to $3,800 per academic year. This is awarded after all other need-based funds are awarded. Freshman students can receive this for 8 semesters.

Continuing eligibility is based on the student completing the FAFSA each year, earning 15 semester hours each semester and meeting the required GPA:

30 credit hours earned - 2.5 cumulative GPA

60 credit hours earned - 2.75 cumulative GPA

90 credit hours earned - 3.0 cumulative GPA

120 credit hours earned - 3.0 cumulative GPA

To be eligible as a transfer student, a North Carolina resident student must be a graduate of a community or junior college in North Carolina, earned an Associate of Arts (AA), Associate of Science (AS), Associate of Fine Arts (AFA), or a certificate in a program that articulates directly with an academic program offered by ECSU and apply for federal aid. In addition, you must have a cumulate GPA of 2.5 at the community or junior college you are transferring from and maintain a 3.0 GPA after earning 30 and 60 semester hours at ECSU.

Loans

Loans are money borrowed that must be repaid, with interest. Eligible students must be enrolled at least 6 credit hours to receive a federal loan. A promissory note must be signed and completed along with entrance/exit counseling. Please refer to the Federal Student Guide for detailed information.

The Federal Perkins Loan Program

This program offers low interest loans for students who have exceptional financial needs and are enrolled in an eligible program. Awards are generally made on a first-come first-serve basis until funds are exhausted. When awarded, the student must complete a promissory note and undergo entrance counseling with a student account representative in the Bursar's office.

Federal Stafford Student Loans

These loans are backed by the federal government. Credit checks are not required. There are two types of Stafford Loans: subsidized and unsubsidized. Students must have a financial need to receive a subsidized Stafford Loan. The U.S. Department of Education will pay the interest on a subsidized Stafford Loan during certain periods. Interest rates are variable, but capped at 8.25%.

William D. Ford Federal Direct Loan (Direct Loan) Program:
Eligible parents borrow directly from the U.S. Department of Education. This program charges a 1% Origination Fee which will be taken out of the loan.

For a dependent student, the limits are:

Year	Dependent	Independent
First	$3,500 $2,000 unsub.	$9,500 - Only $3,500 may be subsidized
Second	$4,500 $2,000 unsub.	$10,500 - Only $4,500 may be subsidized
Third and beyond	$5,500 $2,000 unsub.	$12,500 - Only $5,500 may be subsidized
Maximum Limit	$23,000 $31,000 unsub.	$57,000 - Only $23,000 may be subsidized

Parent Loans

These loans are backed by the federal government. Credit checks are required. The initial payment starts approximately 60 days after the loan has been fully disbursed to the student's account.

William D. Ford Federal Direct PLUS Loan (Direct PLUS Loan) Program:

> Eligible parents borrow directly ftom the U.S. Department of Education. This program charges a 4% Origination Fee which will be taken out of the loan. Interest rate are variable, but capped at 9% (for 2010-11 they were at 7.9%).

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) by March 15 of each year.
- Students must be regularly admitted to Elizabeth City State University 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 must attend the 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.
- Students are aware that the Office of Financial Aid and Scholarships cannot award federal, state, and institutional funds over the student's Cost of Attendance budget. Any outside scholarships or alternative loans must be reported to the Office of Financial Aid and Scholarships and these funds may reduce the amount of 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 students enrolled in 12 or more semester hours are classified as full-time; 9-11 semester hours as three-quarter-time; 6-8 semester hours as half time; and 1-4 semester hours as less than 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 have their first loan disbursement delayed 30 days. Counseling is available online at www.studentloans.gov.
- Students with a loan for one term will receive funds in two disbursements: (1) at the beginning of the term and (2) after the midpoint of the term.
- 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.
- Students must report any financial aid they receive or expect to receive from an outside source.
- 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 attending all classes are subject to regulations regarding the return of funds to the aid programs. Federal aid recipients withdrawing before the 60% point of the term may owe a repayment of federal funds received. Refer to the Withdrawal Policy of this catalog.

Satisfactory Academic Progress Policy and Procedures

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

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

Completion Rate (Quantitative)

Students must complete a minimum of 66 percent of coursework attempted each semester. Failure to complete this minimum percentage will result in a student being placed on financial aid probation during the following semester of attendance. If the student completes 66 percent of the coursework during the probationary semester, then the student will be taken off of financial aid probation. If the student completes less than 66 percent of coursework is completed during the probationary semester, then the student will be placed on financial aid suspension for the next attending semester.

Maximum Time Frame

All students must complete their educational objective 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 will be ineligible to receive financial aid. Attempted hours include all attempted hours at ECSU and all accepted transfer credit. For graduate students, the maximum time frame is 54 attempted hours.

Grades

Grades of IP (in-progress), W (withdrew), WA (admin withdrew) and WD (withdrew from the university) are not included in calculating a student's GPA, but are counted as coursework attempted. 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. Any changes after the first 10 days of the following semester will not be included in the SAP calculation.

Transfer Students

Transfer students accepted by ECSU, not previously enrolled at ECSU, will be classified as maintaining satisfactory academic progress for the first semester enrolled. At the end of the first semester, the student's grades will be measured in accordance with the ECSU's satisfactory academic progress requirements. Students who previously attended ECSU, transferred to another school, then returned to ECSU, will have all of their coursework reviewed.

Financial Aid Suspension

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). Once the student has successfully completed the semester maintaining SAP requirements, the student's financial aid will be reinstated to financial aid probation status for the next attending term.

Appeal of Financial Aid Suspension

Students have the right to appeal their suspension of financial aid if they have mitigating circumstances that prevented them from making satisfactory academic progress. A student wishing to appeal financial aid suspension must do so in writing with supportive documentation, when possible. The written appeal must be attached to the Appeal of Financial Aid Suspension form. The form may be obtained from the Office of Student Financial Aid or the financial aid section of the ECSU website. The **appeal form must be submitted within 10 calendar days from the end of the semester in which the student was suspended.** Failure to adhere to this time line will result in the student losing the right to appeal the financial aid suspension.

The Satisfactory Academic Progress Appeals Committee will meet to review appeals at the end of each semester. The Office of Student Financial Aid will notify the student of the committee's decision. If approved, the student's financial aid will be reinstated to financial aid probation status for the next attending term. **The committee's decision is final.** Only the Chancellor can override the committee's decision.

A student is expected to know the Satisfactory Academic Progress Policy. Students can review their SAP status on Banner Web after final grades have been processed. The Office of Student Financial Aid attempts to notify students when their financial aid is suspended; however, sometimes students do not receive notification due to circumstances beyond the control of the Office of Student Financial Aid. If a student is not notified of the financial aid suspension, that in itself does not excuse a student from the financial aid suspension, nor does it exempt a student from appealing in a timely manner.

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 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.

A student should report to the Office of Student Financial Aid and Scholarships to review the calculations of the student unearned aid due by the school and the unearned aid due by the student to the Department of Education or other agencies. Elizabeth City State University will attempt to notify the student no later than 30 days from the official withdrawal date to return its share of the student's unearned aid and the student has 45 days from the notification date to return that portion.

An entrance and exit interview is required for students that have received loans.

A student that has not completed the verification process as of the withdrawal date will be ineligible to receive any financial aid credit to their account.

Additional Title IV funds will end if the student fails to repay his portion of unearned Title IV funds within the proper time frame.

For further questions, please call our office at 335-3283.

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/her education records maintained by the university or any department within the university. A copy of the university's policy dealing with the Privacy of Student Educational Records is maintained in each area of 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), the university will continue to release the following types of information: the student's name, address, telephone listing, date of birth, major field of study, dates of attendance, degree 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 & Address

It is the obligation of every student to notify the Office of the University Registrar of any change of name or address.

Transcripts of Records

Transcripts are issued to students by the University Registrar's Office. All requests for transcripts must be in writing and must include the student's signature. Valid picture ID is required for personal pick up of official copies and/or unofficial transcripts. Official transcripts will be mailed. Unofficial and/or official copies may be released to the requestor. If requesting a transcript by mail, request should reach the University Registrar's Office at least one week before the transcript is needed. A **fee of $5 per copy should accompany requests for an official transcript.**

Please provide the following information when requesting an official transcript or official transcript copy:

1. Student ID number/Name/Address
2. Date(s) of enrollment
3. Graduation date
4. Address of agency to receive transcript

Official/Unofficial transcripts: $2 per copy for enrolled students.

Requests for transcripts should be sent to:

Elizabeth City State University
Office of the University Registrar
Campus Box 953
1704 Weeksville Road
Elizabeth City, North Carolina 27909

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. Those 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/she has met all financial obligations to the University.

A student cannot attend classes if he/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 musr 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 ar 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 study program. 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 an absence of less than two years or after earning a degree are required to notify the Office of Admissions to obtain readmission status.

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

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 a his/her desire to remain enrolled in the course.

The appropriate Dean's office will notify the relevant Department Chairperson of late-arrival students who cannot attend the first class meeting because of illness or other reasons approved by the Provost and Vice Chancellor for Academic Affairs, University Registrar, and/or Vice Chancellor for Student Affairs.

Change of Course Schedules

A student is responsible for the schedule of courses for which he/she has 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. After this date, the drop must be completed through the University Registrar's Office with the use of the Change of Schedule form.

Adding & Dropping Courses

If a course is dropped within the first five days of the semester, the course will not be listed on the student's schedule of courses. Withdrawal from a course or courses after the above deadline will cause the course to be listed on the student's grade transcript, and will be counted and indicated with a grade of "W."

Courses may be added to a student's schedule during the first five days of the semester. A student wishing to add a course after this date must receive the approval of the Dean, the Academic Advisor, course instructor, and University Registrar.

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 Departmental Chairperson. He or she must register officially for the classes he/she desires 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 desired. The student receives no credit; 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 in the University Registrar's Office or from the Department Chairperson.

Academic Eligibility Standards

The cumulative grade point average (CGPA) compared to the semester hours attempted and earned is used to determine the academic standing of a student. After the completion of two semesters and/or 24 semester hours, whichever comes first, evaluations are made to determine the academic standing of students. 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 Elizabeth City State University. 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 Satisfactory Academic Progress (SAP) requirements are as follows:

SEM. HOURS EARNED	MINIMUM CGPA
24	1.45
48	1.60
72	1.75
96 and over	2.00

Academic Eligibility Requirements for Athletes

The Academic Athletic Compliance Office helps to monitor the academic progress of each student athlete as it relates to NCAA, CIAA and institutional rules and regulations. The following are examples of rules applying to a student's academic progress:

1. All student athletes must be enrolled in no fewer than 12 semester hours (full-time) during the Fall and Spring semester to be eligible for practice, competition, and financial aid.
2. Student athletes must earn or average no fewer than 24 applicable semester hours during a calendar year, of which 18 must be during the academic year.
3. Before the end of the second year (fourth semester) of enrollment, each student must designate or declare a major field of study and make satisfactory progress toward that degree.

4. Student athletes must meet ECSU and NCAA minimum cumulative grade point averages in order to compete.
5. In order to determine athletic eligibility, all freshman students must be approved through the NCASA Initial-Eligibility Clearinghouse.

Academic Sanctions

Students with a cumulative grade point average below required standards must limit their course loads to 12 semester hours and are subject to academic probation for the first occurrence and academic suspension for the second occurrence. Students have the right to appeal academic suspensions if they are of the conviction that failure to maintain the minimum cumulative grade point average for continued enrollment was due to extenuating circumstances. If the appeal is approved, students may apply for readmission to the university by adhering to the following procedures:

Step I

Students seeking readmission must write a letter, with appropriate documentation, to the Provost and Vice Chancellor for Academic Affairs at least four (4) working days before the official late registration period ends.

Step II

Students must secure a letter containing an approved schedule of classes (not to exceed 12 semester hours) from their academic advisor or Department Chairperson.

Step III

The decisions of the Provost and Vice Chancellor for Academic Affairs are final and will be forwarded to the Office of the University Registrar for implementation.

NOTE: Students placed on academic suspension or granted an appeals approval must submit a written letter of appeal to the Financial Aid Appeals Committee for reinstatement of financial assistance.

Students returning after suspension will have a limited class load of not more than 12 semester hours 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.

Students who have been suspended a second time for academic reasons may not apply for readmission within a minimum of one calendar year from the date of suspension.

Students who have been suspended a third time for academic reasons are permanently suspended unless special permission is granted for readmission by the Provost and Vice Chancellor for Academic Affairs. A student who fails to achieve a 2.0 cumulative grade point average by the end of the tenth semester of enrollment is also permanently suspended unless special permission is granted for readmission by the Provost and Vice Chancellor for Academic Affairs.

Change of Major/Advisor Procedures

A student who decides to change or declare a major must secure the Declaration or Change of Major/Advisor Form from the Office of the Provost and Vice Chancellor for Academic Affairs 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 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% tuition surcharge if they take more than 140 credit hours to complete a four-year degree program or more than 110% of the required credit hours to complete an officially designated five-year program.

Withdrawal From Classes

Any student who officially registers for a course must attend or drop the course by use of the Change of Schedule Form secured from the University Registrar's Office and execute the proper procedures within the designated time. A student who does not officially withdraw from a course receives an "FA" grade for the course at the end of the session and/or semester. Students may administratively withdraw from a course or courses with written approval from the Provost and Vice Chancellor for Academic Affairs only for extraordinary circumstances.

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. Withdrawals are processed in the Counseling Center. Students receive exit counseling and are advised of the procedures to follow for any financial obligations. The University Registrar will record grades of "WD" based upon the Withdrawal Report. A student who is registered for classes and does not officially withdraw from the university will receive a grade of "FA" Students may administratively withdraw from the university with written approval from the Provost and Vice Chancellor for Academic Affairs.

Veterans Academic Status

Students receiving Veterans Educational Benefits do so in accordance with the probation/suspension policy. Benefits will be paid for one semester while the student is in the probationary status. Retroactive benefits will not be paid

if the cumulative grade point average increases to the required level. The veteran or other eligible recipient will be re-certified at the beginning of the next semester of enrollment for educational benefits only afrer a cumulative grade point average of 2.0 has been achieved. Termination will continue to occur anytime the cumulative grade point average falls below 2.0. If a student receiving Veteran benefits earns grades of "I" and "F" and the last date of atrendance in class is prior to the ending date of the semester, the student will be in overpayment with the VA if he/she does not have 12 approved full-time credit hours remaining to satisfy the enrollment status required by the Veterans Administration. Students should notify the VA Certifying Official of a change in major or if the course load drops below 12 credit hours.

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/her select courses and to assist in planning his/her individual program of study. Once the student selects a major, he/she works with an advisor from the appropriate Department. However, the student is ultimately responsible for meeting his/her 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 Dean'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 DEAN'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 is composed 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. This is computed by dividing the total number of quality points earned by the total number of semester 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 authorizarion of the Dean. A grade change is made by submitting a Change of Grade Form to the Dean. Concomitantly 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 Dean, 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.

Class Attendance Policy

Elizabeth City State University (ECSU) recognizes that regular and punctual class attendance is essential to each student's academic performance. Although all learning does not take place in the formal classroom, classroom instruction is the primary vehicle for the delivery of knowledge
to students, the evaluation of achievement, the forum for intellectual exchange, the skill development, and the molding of attitudes which promote the attainment of goals resident in the teaching-learning process at ECSU. This policy is designed to encourage students to make the best grades of which they are capable, while discouraging absences. In short, all students are expected to attend all class meetings of all courses in which they are enrolled.

Class Absences

1. Excused Absence
   a. *Religious Observances*
      - Students are allowed two (2) excused absences each academic year for religious observances required by the faith of a student.
      - A student must submit written notice of the request for an excused absence to his/her instructor at least five (5) business days prior to the religious observance.
      - A student shall be given the opportunity to make up any tests or other work missed due ro an excused absence for a religious observance.
   b. *Participation in Official University Activities*
      - Students who participate in official university activities (i.e. athletic teams, the band, university

committees, etc.) shall receive excused absences to participate in the official university activities.

- Official documentation must be provided to the instructor prior to a student's participation in official university activities.
- A student shall be given the opportunity to make up any tests or other work missed due to excused absences to participate in official university activities.

c. *Other*

- In addition to the absences set forth in Sections a.1.a. and a.1.b. above, students are allowed a maximum number of excused absences for personal reasons each academic semester as set forth below:

For each academic semester:

a. Three (3) credit hour course – a maximum of 6 absences
b. Two (2) credit hour course – a maximum of 4 absences
c. One (1) credit hour course – a maximum of 2 absences

For each summer session:

d. Three (3) credit hour course – a maximum of 2 absences
e. Two (2) credit hour course – a maximum of 1 absence
f. One (1) credit hour course – a maximum of 1 absence

- A student is required to submit written notice of the request for an excused absence to his/her instructor as soon as reasonably practicable.
- A student shall be given the opportunity to make up any tests or other work missed due to excused absences for personal reasons.
- An instructor shall not impose an absence limit less than the number of times the class meets per week.

2. Unexcused Absences

a. Any class absence, other than provided in Section A.1. above, shall be treated as an unexcused absence.
b. Instructors may exercise discretion to determine whether or not a student will be given an opportunity to make up any tests or other work missed due to unexcused absences from class.

Punctuality and Early Departure

a. Expectation: Students are expected to arrive to all assigned classes on time and to remain in attendance until the class is dismissed by the instructor.
b. Excessive Tardiness and Early Departures: Instructors may, in their discretion, record excessive tardiness or excessive early departures as unexcused class absences. Under this policy, excessive tardiness shall mean being tardy five (5) times during an academic semester or being tardy two (2) times during a summer session and excessive early departures shall mean 300.1.5 departing from class prior to dismissal five (5) times during an academic semester or two (2) times during a summer session.

Student Obligations

1. Students who are given the opportunity to make up assignments or tests are obligated to complete make up work.

Faculty Obligations

1. Record of Attendance Instructors are obligated to keep accurate and up to date class attendance records.
2. Referral to Retention Coordinator Instructors are obligated to notify students who are in jeopardy of exceeding excused absence limitations and obligated to refet such students to the Retention Coordinator.

"FA" Grade

Students may receive a grade of "FA" (Failure Due to Absenteeism) for excessive unexcused absences or for failure to complete make up assignments or make up tests associated with either excused or unexcused absences. Under this policy, excessive unexcused absences shall mean five (5) unexcused absences during an academic semester or two (2) unexcused absences during a summer session.

Appeal of Course Grade of "FA" Failure Due to Absenteeism
Students may appeal a course grade of "FA" (Failure Due to Absenteeism) in the manner set forth in ECSU's Grading, Evaluation and Academic Progress Policy (ECSU Policy 300.1.7), as it may from time to time be amended.

Classification of Students

Students are classified as Freshmen, Sophomores, Juniors, and Seniors. Accumulated semester hours are used to 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 Graduation Exercises.

Those finishing at the end of the Spring Semester will participate in the Spring graduation 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

Ten 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 Dean.

In special cases students with a cumulative grade point average of 3.25 or above may be authorized, with the approval of the Dean, to carry up to a maximum of 21 semester hours. Students returning after suspension will have a limited class load of not more than 12 semester hours 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.

Students with previous cumulative grade point averages below "C" or 2.0 may not register for more than 15 semester hours of credit. A student must be enrolled for 12 hours to qualify for full-time certification to any organization.

Credit & Placement Regulations

Transfer Credit, Transient Credit, College Level Examination Program, General and/or Subject Examination Credit, Armed Forces Services School 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 the university. 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 of each.

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 Chairperson of the student's major Department and the Dean of the appropriate school. A student must file a request with the Department Chairperson, Dean, Provost and Vice Chancellor for Academic Affairs, obtain the approval of the Department Chairperson, Dean, Provost and Vice Chancellor for Academic Affairs prior to taking the off-campus course, and 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, the Chairperson, and the appropriate Dean. 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 appropriate Dean.

Grade Reports

Students are required to view mid-semester grades electronically. Each faculty member is expected to have a continuous dialogue with students involved so that students will be continuously cognizant of their performance in class. Mid-term deficiency reports will be issued from the instructor to the student with copies to

the Department Chairperson, the student's advisor, Dean and the Office of Retention.

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 Chairperson 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 Chairperson 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/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.

FA Failure due to absenteeism.

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 experiments has not been completed. An instructor should give a student an "I" grade ONLY for a justifiable reason. An "I" grade carries no quality points and is computed in the student's grade point average.

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 and is computed in the grade point average.

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.

** The grades of WP and WF is no longer awarded effective Fall, 2006.*

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:

1. Completion of all General Education courses as prescribed by the university for all students;
2. 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;
3. 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.);
4. A record of having taken and completed the required examinations or approved equivalents for exiting the program of study;
5. Demonstration of personal and professional qualities which are expected of an educated person, as verified or affirmed by the appropriate university officials;
6. Approval and recommendation by the Department and general faculty as a worthy candidate for graduation;
7. **Filing of an Application for Graduation for the Fall by September 15, Spring by November 15, and the Summer by April 15 in the Office of the Registrar;**
8. Meeting all financial obligations to the university through the Office of Business and Finance; and
9. 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 for the purpose of finding out 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 of the Dean of the appropriate school before course work begins.

The student who wishes to pursue a course by individualized study must have secured permission of the Department Chairperson and instructor of the Department in which the course is offered. Final approval of the Dean of the appropriate school must be secured before the course begins.

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/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 Elizabeth City State University.

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 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," "FA," "W," "WA," "WP," "WF," "WD," and they are not counted in the hours attempted and not computed in the cumulative GPA except for the grade of "I," "F," "IF," and "FA." 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 semester hours attempted.

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 Chairperson. 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 the 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 Chairperson, Dean 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 any of the following apply:

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 be 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 15 semester hours during his 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. To repeat a course, a student must obtain a Repeat of Course Form from the Registrar's Office prior to registering for the course indicating permission has been granted by the student's faculty advisor, Departmental Chairperson and the Dean of the appropriate school.

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. Any matriculating student who begins 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 other institutions who are accepted to work toward another undergraduate degree at Elizabeth City State University 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 in Elizabeth City State University. 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 Chairperson.

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 50 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 Elizabeth City State University. Students are also expected to respect the rights and privileges of others, and 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 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 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 grade 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's Appeal of Course Grade

A student, after conference with the instructor involved and Department Chairperson, may present in writing to the Chairman 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 Chairperson of the Academic Standards and Credits Committee refers all appeals of course grades to that Committee and the Chairperson 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.

Syllabi & Outlines

Course syllabi are required in all courses. They should be distributed to all students enrolled in the course, to the Office of the Dean, and Department Chairpersons. These

distributions should take place by the end of the first week of each semester.

Textbooks

Textbooks or their equivalents are required in all courses. Students are expected to have secured textbooks and other necessary equipment and supplies for each course by the end of the second week after the beginning of each semester. 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:

1. The university is not obligated to accept any credit from another institution unless the student has obtained initial approval from the Department Chairperson. A Permit for Transient Study form should be completed and submitted to the Provost and Vice Chancellor for Academic Affairs for approval.
2. 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 Elizabeth City State University.
3. No grade below "C" will be accepted; quality points will be honored on the 4.0 point grading system.
4. The student must request that an official transcript 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 substitution or exemption from a prescribed course of study established by an academic department. If it becomes necessary to substitute courses or alternate from the prescribed course of study, the student must consult the academic advisor or the Chairperson of the student's major. The Department Chairperson will petition by letter to the Registrar for such substitutions and state the reasons for the request. Course substitutions for upper-level courses MUST be similar in content. Waivers or substitutions at the departmental level which impact the total number of hours required for graduation, or in the major, must have the approval of the Provost and Vice Chancellor for Academic Affairs.

Transfer students, upon entering the university and declaring a major, must present to the Registrar their course substitution forms approved by their Department Chairperson.

Substitution should not be confused with waiver. Substitution is an option to meeting a requirement, while waiver implies exemption. The student is expected to complete the total number of hours required for the major even though a requirement is waived.

University Retention

Elizabeth City State University has developed a multi-tiered retention initiative that encompasses a University-wide approach. This integrated approach engenders an educational environment where students can realize their highest academic potential, receive a quality education, and prepare for successful careers. A strong emphasis is placed on ensuring that quality resources and staff are available to assist students in the pursuit and completion of their degree. Thus, retention staff assist members review and propose policies and procedures to increase retention and graduation rates. In addition, retention goals and objectives have been established to:

- Implement strategies that link academic and student service programs.
- Improve customer services (shortening response time to students thereby increasing student satisfaction).
- Create opportunities where the "student voice" can be heard.
- Create a culture whereby faculty, staff, and administrators promote the single ideology that students come first.
- Parse data looking trends, gaps, strengths, and areas of challenge.

Retention personnel engage a deliberate process that requires time for planning, implementation, and development for re-tooling strategies to ensure that student needs are truly being met.

STUDENT AFFAIRS

DIVISION OF STUDENT AFFAIRS

The Division of Student Affairs is organized and administered by the Vice Chancellor for Student Affairs to augment, strengthen, and support the university's commitment to the total development of its students. The Division includes the Offices of Career Services, Counseling and Testing , Student Health Services, Student Life, Judicial Affairs, Residence Life, University Police, Enrollment Management and Retention - Admissions, Financial Aid and the Registrar.

Student Affairs assists with the adjustment of students to both the academic and non-academic environments of the campus. The main focus is on creating and promoting an environment in which students can develop into mature, well-rounded citizens who are self-disciplined and aware of the lifelong process of education.

Student Affairs' programs are designed to promote student initiative, responsibility, and rights to a quality education as well as well-rounded personal and social development. The programs also strive to provide opportunities for leadership and to promote a climate conducive to intellectual stimulation and growth that builds character and integrity and fosters excellence and respect for diversity in a global society. Special services for those students who have academic and non-academic difficulties are also provided.

COUNSELING & TESTING SERVICES

Counseling Services

Often students experience feelings of uncertainty, confusion, anxiety and depression while adjusting to the demands of college life. The university Counseling and Testing Center (CTC) provides personal, social, career, and spiritual counseling services which are free and confidential. A clinical psychologist is available for assessments and brief therapy. A series of self development workshops on the following topics are offered during the fall and Spring semesters. Topics include:

- Romantic and Social Relationships
- Depression and Anxiety
- Anger Management
- Substance Abuse
- Sexuality
- Diversity
- Family
- Stress and Time Management
- Grief Counseling

CTC offers support groups on various interests. Referrals are also made to community agencies when needed.

New Student Orientation

The Counseling Center coordinates the New Student Orientation program (NSO) for new freshmen and transfer students. NSO introduces new students to university programs and services, and provides an opportunity for new students to interact with staff, faculty, and administrators. During NSO, new students also receive academic advisement and register for classes. All new students are required to attend an orientation program prior to enrolling in the fall or Spring semester. NSO is offered during the months of June, July, August, and January.

Peer Mentors

VANS (Vikings Assisting New Students) are 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 in Counseling Center activities. VANS receive training to become peer educators through the BACCHUS and GAMMA Peer Education network, a national organization designed to support peer education on college campuses. Interested students must have a 2.5 GPA and complete an application process by set deadlines in November.

Testing Services

The Counseling 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 Center also provides interest testing through the use of DISCOVER software.

University Withdrawals

Students desiring to terminate their studies at the university must visit the Counseling Center to complete the necessary forms to withdraw from the university.

Disability Services

Program Information
In accordance with Section 504 of the Rehabilitation Act of 1973 and American with Disabilities Act of 1940 (ADA), Elizabeth City State University has a program designed to protect the rights of post secondary students with disabilities. Students may be classified in the following areas:

- Visually impaired
- Physically Impaired
- Hearing Impaired
- Learning Disabled

These are students who exhibit a substantial discrepancy between academic achievement and intellectual abilities in one or more of the following areas, which are not the result of some other handicap:

- Oral Expression
- Basic Reading Skills
- Listening Comprehension
- Mathematical Calculation
- Spelling

Support Services:

- Disability-Related Counseling
- Personal Counseling
- Assisting with Appropriate Vocational Rehabilitation for further Services
- Accommodation Letter to Instructors

Accommodations:

- Extended time on tests
- Taped option
- Extended time for assignments
- Note-takers
- Special seating
- Tutorial Services

Student Participation:
Persons identified as special needs students who have sufficient motivation to pursue post-secondary education are expected to:

- Attend class faithfully
- Attend tutoring
- Meet counseling sessions
- Maintain the University's academic standards

Enrollment and Admission
All applicants must meet the admission requirements established by Elizabeth City State University. Each applicant must present valid documentation of his or her disability when applying for admission. Documentation may include results of medical or psychological diagnostic tests or professional evaluations that verify the existence of a disability and the need for accommodations.

For more information, contact:
Special Need Counselor
121 Ridley Student Center
Elizabeth City State University
Elizabeth City, NC 27909
Telephone Number: (252) 335-3273
Fax Number: (252) 335-3728

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, sex, age, or handicap.

Career Services

The Office of Career Services, located in the H.L. Trigg Building, aides students at various stages of their career with decision-making, exploration, and the job search process. A variety of programs and services exist to 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, Career Services provides extensive assistance with workshops on interviewing, résumé writing, and business etiquette.

The Office of Career Services disseminates information concerning available internships and jobs and handles all arrangements when employers visit the campus to interview students. On-campus recruiting is scheduled through this office during the fall and spring semesters. Students can also make valuable employment contacts at the Annual Career Fair, the Graduate & Professional School Day, and the Annual Teacher Job Fair. Alumni may also receive career assistance through Career Services on employment vacancy listings.

Career Resources, a wealth of career information, is available in the Career Services Library. Printed information on employment trends, future outlooks, company literature, and school system applications as well as audio visual materials are available for all students and alumni to review.

Internship Programs

A program in which students gain valuable work experience in a wide variety of fields, internships can be paid or non-paid. Internships can offer innovative ways to career success for students working with the latest technology in their field of study.

Cooperative Education

This program offers students the opportunity to combine academics with on-the-job training in business, industry, or government agencies. After the sophomore year, students can alternate semesters between work and school. All Cooperative Education positions are paid.

Career Services Technology

Perfect interview software is a web-based program that allows students to:

- Create custom interview scenarios tailored to the student's exact specifications
- Repeat individual questions and answers as often as they wish
- Questions are selected at random, so you never know what to expect next- just like a real interview.
- Pause your interview at any time and return at your convenience.
- Save completed interviews for review at any time

Services Provided Include:

- Career Counseling
- On Campus Recruiting
- Career Fairs
- Graduate and Professional School Information
- Workshops (Resume Writing, Interviewing Techniques, etc.)
- Dress For Success
- Job Search Preparation
- Networking Opportunities

STUDENT LIFE

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 seven traditional residence halls, two apartment style areas and one suite style residence hall. We also lease an off-campus site to accommodate our students. One newest residence hall opened in August 2007.

The university reserves the right to approve campus housing assignments; to transfer students from one residence hall to another; or to require that any student that it considers an undesirable tenant vacate a residence hall or any property under the jurisdiction of Residence Life.

Each university student is required to maintain an up-to-date local address in the Office of Student Affairs and in the University Registrar's Office. All housing policies and regulations established with regard to standards of health, safety, and general welfare of students in residence halls are executed through the Office of the Director of Residence Life.

Each residence hall is staffed by a team of Residence Hall Administrators, Resident Assistants, Desk Assistants and Residence Security Officers. Via residence organizations, students are urged to participate, together with administrators and staff, in planning residence hall programs (related activities). Student representatives are also encouraged to assist in developing standards of conduct, determining social regulations, and creating a wholesome atmosphere for study and group living.

A student accepting an assignment in any university residence hall at the beginning of a semester is responsible for the payment of room and board for the entire semester. A student admitted to a residence hall after a semester begins is responsible for paying board fees on a prorated basis.

Admittance to the residence halls is allowed only to students officially admitted to the university by the Director of Admissions. Any student officially admitted who has paid the required fees may report for occupancy on arrival dates as designated on the academic calendar. Residence halls are officially closed during the Thanksgiving and Christmas holidays, vacation periods, or other times as needed to comply with emergency situations.

Students may request an early check-in or late checkout if the university's official opening and closing schedule creates an unusual hardship. Requests for permission for early check-in or late checkout must be made in writing to the Director of Housing and Residence Life at least two weeks in advance. If permission is granted, students requiring short-term housing will be charged a non-refundable fee of $25.00 per day. Students are strongly urged to make travel arrangements in advance.

In accordance with the Residence Hall Housing Agreement, occupancy is limited to accepted and full time enrolled students only. The University welcomes and respects students who may also be parents, however, from a safety standpoint, the residence halls are not appropriate places for young children. For this reason, infants and young children are only permitted in the lobby areas of the residence halls. School age children may visit residence hall rooms, but must be accompanied by an adult guardian or the resident student. All overnight guests must be at least 15 years old and must follow the University guidelines permitting only members of the same sex to overnight visits in the residence halls.

Students are responsible for providing their own bed linens, rugs, curtains, lamps, and other items according to their personal taste. Each student is expected to observe

residence hall regulations and to take care of the furnishings in the room.

No major electrical equipment is allowed in student rooms - i.e. cooking appliances, air conditioning units. Small electrical equipment such as lamps, radios, stereos, hair dryers, and electric razors are permitted. Attachments should not be placed on room walls, ceilings, or windows without official approval.

Under no circumstances are students permitted to keep pets, firearms, or weapons of any kind in residence hall rooms or on university property. The university reserves the right to inspect all rooms in residence halls on a regular basis.

The university does not assume responsibility for fire, theft, mutilation, or destruction of any student's or faculty/staff member's personal property, whether these losses occur by an act of nature or otherwise. All members of the university community, including students and staff, are urged to secure appropriate individual personal property insurance.

Any campus residence student who forfeits or violates his/her right to reside in a residence hall, who is suspended for academic or disciplinary reasons, or who withdraws from the university for other reasons, must vacate the residence halls immediately.

Off-Campus Housing

The Director of Residence Life assists students in locating off-campus housing whenever possible. Although many Elizabeth City State University students are housed in residence halls, a limited referral service for available houses, trailers, apartments, and rooms in private homes is furnished.

Residence Life Property Damage Policy

All students who live in university residence halls are bound by the terms and conditions set forth under this Damage Policy. By accepting occupancy in a residence hall at Elizabeth City State University, students are agreeing to this policy. Acceptance is defined as receiving a residence hall room key and signature on the appropriate residence hall contracts and forms. This policy applies to all students who are occupying campus housing during the period when damages occur.

The university will assess damage charges for unauthorized use of and damages or alterations to residence halls, including rooms, floors, suites, and common areas. Charges will be rendered for any damages that are not the result of normal wear. When the responsible party or parties allegedly responsible for damages are identified and the evidence is substantiated, charges will be assessed against the responsible party or parties. If the responsible party or parties are not identified, all residents of either the hall, a floor, a room, or a suite will be held accountable for equal portions of the total damages that occur within the area, as well as damages that occur in common area(s).

Co-Educational Visitation Policy

Student occupants of residence halls (with the exception of the freshman class) may choose to entertain guests of the opposite gender in their individual rooms. The university shall allow the students to make this choice by the establishment of rules, regulations, and procedures. This privilege of Co-Educational Visitation will always be exercised in a manner that will not interfere with the rights of other students to personal privacy, opportunity for study or reflection, and personal security. The rules, regulations, and procedures for Co-Educational Visitation shall address, but will not be limited to, the following issues: days and hours when such visits are permitted; registration of guests; the availability and necessity of personnel to monitor visitation rules, regulations, and procedures; and negotiations between roommates to establish restrictions on such visits.

Students who do not want to participate will notify the Office of Residence Life and their Residence Hall Administrator in writing.

Code of Conduct

Certain fundamental concepts are recognized as forming the basis for standards of conduct developed as a result of the university's educational and other obligations.

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, obligates himself/herself to obey all rules and regulations of the university as stated in the Student Handbook, the University Catalog, and other university publications.

Illegal Drug Policy

Elizabeth City State University has the responsibility to nurture and protect its environment. The Board of Trustees of the university has committed itself to the proposition that students, faculty, and staff should be able to engage in the scholarly pursuits of teaching, learning, discourse, and research free from illegal drug use.

Education Programs and Activities

Elizabeth City State University's drug education programs and activities involve the following:

- Conducting anonymous surveys of students, faculty, and staff to identify the extent of the drug problem;
- Establishing mandatory seminars on substance abuse for faculty, staff, and students;

- Conducting Drug Awareness Week activities with Print and electronic media advertising;
- Developing creative outreach programs for the university that utilize community resources;
- Initiating contacts for academic linkages with Departments to address substance abuse in appropriate health and physical education courses;
- Generating a greater public awareness of substance abuse through special events such as sporting events, campus extravaganzas, panel discussions, magazine publications, etc.;
- Publishing and distributing fact sheets and other printed literature on substance abuse; and
- Conducting faculty and staff wellness activities.

Counseling and Referrals

It will be the responsibility of every student, staff, and faculty member to help in the maintenance of a drug-free campus. The ECSU Counseling Center makes referrals to the appropriate local or state agencies. All individuals are afforded the right of confidentiality in all contacts consistent with local, state, and federal laws, and the general welfare of ECSU, its students, faculty, and staff.

Enforcement and Penalties

Elizabeth City State University will take all necessary actions, in accordance with local, state, and federal law, and applicable university rules and regulations, to eliminate illegal drugs from the campus community.

Students, faculty members, administrators, and other employees are responsible, as citizens, for knowing about and complying with the provisions of North Carolina law that make it a crime to possess, sell, deliver, or manufacture those drugs designated collectively as "controlled substances" in Article 5 of Chapter 90 of the North Carolina General Statutes.

Penalties will be imposed by the university in accordance with procedural safeguards applicable to disciplinary actions against students, faculty members, and other employees, as required by the ECSU Student Handbook, by Section 4 of the ECSU Tenure Policy and Regulations, by Section 5 of the North Carolina Personnel Manual, and by university policies applicable to other employees exempt from the State Personnel Act.

Sexual Harassment

Elizabeth City State University neither condones nor approves of sexual harassment on the part of students, faculty, or staff within the university community. Sexual harassment constitutes unlawful discrimination on the basis of sex and violates state and federal law as well as university policy.

Unwelcome sexual advances, requests for sexual favors, and/or verbal or physical conduct of a sexual nature by anyone in an official university position, a student, or university employee constitutes sexual harassment when:

1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or academic standing, or
2. Submission to or rejection of such conduct by an individual is used as the basis of employment or academic decision affecting that individual, or
3. Such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance, or creating an intimidating, hostile, or offensive environment.

A student, faculty, or staff person who believes he/she has been the victim of sexual harassment must initially attempt to resolve the matter with the administrative official most directly in line to supervise the person accused of sexual harassment. However, a staff employee may proceed directly to the State Personnel Commission. Students may proceed directly to the Vice Chancellor for Student Affairs or his/her designee. Complaints of student against staff or staff against student will be addressed by the SPA Grievance Committee; complaints of student against faculty or faculty against student will be handled by the Faculty Hearings Committee.

Food Services

Our 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 Den, 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 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

Realizing health cannot be separated from the ability to learn, Student Health Services supports the academic mission of the university through the provision of accessible, quality health care services and educational programs to promote the health and well being of the student population. The services include diagnosis and treatment of general and acute medical problems, allergy injections, immunizations, HIV testing and counseling, laboratory services and limited pharmaceuticals. Student Health Services also provides wellness programs and maintains a fitness room for use by all students. 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 provided by the Office of Admissions or Student Health Services. In addition, all new and transfer students must provide an immunization record to the university as required by the North Catolina Immunization Law (General Statutes 130A-152). Readmitted students who re-entoll 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

Student Health Services is open Monday through Friday 8:00 a.m. to 5:00 p.m. Physician hours are 10:00 a.m. to 5:00 p.m., Monday through Thursday and 9:00 a.m. until 1:00 p.m. on Fridays. 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/she should notify the Residence Hall Director or Campus Police. Students are also encouraged to utilize the Nurse Hotline service provided by the student health insurance by calling 1-866-315-8756. Faculty and staff should 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 within the first 10 (ten) days of the fall and Spring semester by completing the waiver process online at www.studentinsurance.com. 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 purchased 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 obtained from Student Health Services. An optional health insurance plan is available at an affordable price to part-time students. Additional information is available at www.studentinsurance.com.

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 does not file insurance claims 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.

Student Activities

Student Activities are designed to encourage and facilitate student participation in various organizations and events such as service groups, clubs, recreation, and cultural activities. Major attention is geared toward providing activities, which will supplement academic instruction and provide opportunities for students to develop personally, socially, and intellectually.

The Student Activities staff serves as facilitator in developing opportunities for participation by students in a broad spectrum of activities and events that encourage personal growth. The Master Calendar of Events is developed for the school year and kept in the Student Activities office for student information.

Walter N. & Henrietta B. Ridley Student Complex

The Complex consists of Ridley Hall Unit #1, 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 the students on May 18th, 2005 and it serves as the nucleus for all university activities. The center houses the following offices and services:

- Student Life
- Student Activities
- Campus Recreation
- Clubs & Organizations
- Student Government Association (SGA)
- Greek Affairs
- Commuter Student Services
- Student Activities Committee (SAC)
- Student Leadership Development Academy
- Theater
- Multi-purpose room
- ECSU Bookstore
- Study Room
- Computer Stations
- Bowling Center
- Bedell Hall
- Student Center Unit II

- Campus Post Office
- The Blue Room – Faculty Dining Room
- Meeting Rooms

Bowling Center

The Bowling Center offers the following activities and services for students' enjoyment: bowling, billiards, ping pong, table soccer, air hockey, basketball, tennis, bicycles, video games, paint ball, board games, monopoly, cards, checkers, computers, play stations, and darts.

The Bowling Center can also be rented for: birthday parties, family reunions, greek parties, showers and church events.

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 aerobic 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. With over 40 registered organizations, there should be one to meet your interests and needs. Students not finding an organization to meet their interests are welcome to form new organizations; however, all organizations must be officially approved by the university. This process is fairly simple and can be initiated with the assistance of the Assistant Dean of Student Life.

Student Government Association

The Student Government Association (SGA) of Elizabeth City State University aims to promote academic and social excellence. Its primary goal is to attend to student needs and development.

It shall be the duty of the Student Government Association to maintain a certain level of communication with students, faculty, and administration. The Constitution further expounds the ideals and purposes of the organization.

Honor and Recognition Societies

Elizabeth City State University has six honor and recognition societies. To qualify for membership, a student must have a high academic average as well as good character. The six 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 Pickwick Society (Language, Literature and Communication), and Psi Chi (Psychology).

Fraternities, Sororities, and Social Fellowships

Elizabeth City State University has four Greek-letter fraternities, four Greek-letter sororities, one service sorority, one service fraternity, and eight social fellowships. Each has its own membership policies and goals. A member of the organization should be contacted for specific details pertaining to his/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: the University Marching and Concert Bands, the Collegians (Jazz Band), and the University Choir. Any officially enrolled student is eligible for membership. Contact the Music Department for details.

Publications

Students are involved in the writing and editing of 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.

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 the athletically gifted student 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, baseball, golf and cheer-leading. Volleyball, bowling, cross country, basketball, softball, tennis, golf and cheerleading 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).

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.*

Business & Finance

Fall & Spring Charges 2010-2012

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

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.

Students residing in Viking Village, which is a fully furnished apartment styled complex with individual bedrooms/bathrooms and a common living room will be charged the following room rates:

5 Bedroom/5 Bath	$2,500/sem
4 Bedroom/4 Bath	$2,500/sem
Doubles	$2,300/sem
2 Bed/1 Bath Suite	$2,300/sem

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 payments 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. Payment plans are available and must be set up prior to registration day. Payment of any outstanding balance remaining from a previous semester is a prerequisite for attending school. 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 sent to students with outstanding balances.

Special Charges & Fees

Application Fee

Every admissions application must be accompanied by a non-refundable fee of $30. This fee must be in the 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.

Dropping Courses

A $5 processing charge per transaction is charged for dropping courses after the drop/add period is over. This charge must be paid by cash or certified check to the University Cashier in the Business Office and may not be charged to your account.

ID Card Fee

A $20 duplicating fee will be charged for the replacement of a lost, destroyed, or misplaced ID Card. There is no fee charged for replacement of a worn out card. Replacement cards may be obtained at the ID Office in Lester Hall, Room 110. 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 and to present that ID Card to an authorized official upon request.

Graduation Fee

A graduation fee of $100.00 covers the cost of the diploma, cap and gown, and related commencement activities. It must be paid at least 45 days before graduation by any senior planning to graduate.

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.

Freshman Orientation

A $106 non-refundable charge covers the cost of the orientation program including University lodging.

Intent to Enroll Fee

A $50 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 will be applied toward 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 $25 late registration charge.

Room Deposit
Once a year, each boarding student must pay a $100 non-refundable room deposit which will be applied towards the student's account.

Post Office
ECSU Post Office mailboxes are available for rent for an annual fee of $25. There is a $5 replacement fee for lost mailbox keys.

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-creditable 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 book rental system used at Elizabeth City State University began in 1972. Under this system, students may rent textbooks for each course in which they are enrolled. Some paperback books and all workbooks must be purchased by the student. No refunds are granted on rental charges.

All full-time students are encouraged to use the rental book system. If desired, a student may purchase the book at the end of the semester at a depreciated value.

Part-time students (less than a 12-credit-hour course load) have the option to purchase or rent books.

Students are required to return rented books by the end of the final examination period for that semester. If a student fails to return the books by that date, the full cost of all unreturned books will be charged to the student's account.

Students who drop course(s) should return their book(s) to the Bookstore immediately.

Fees are charged for pages torn from book(s) or deliberate mutilation of a textbook.

Additional books will not be issued unless previously rented books are returned to the Bookstore.

Lost books must be paid for in the bookstore. This charge must be paid before a student can be issued additional books. Only upon special approval by the Bookstore's Manager may a reimbursement or credit be granted after the charges have been assessed.

Boarding Students

The boarding package includes 19, 15, 10, or 5 meals per week. All freshmen that reside in University housing are required to participate in the 19 meal plan during their first semester. Sophomores, juniors, and seniors that reside in University housing may choose either the 19 or 15 meal plan. Residents of Viking Village may choose either 19, 15, 10, or 5 meals per week, but are required to have a meal plan. The meal plan rates are as follows:

19 meals per week	$1,186.00/sem
15 meals per week	$1,030.00/sem
10 meals per week	$694.00/sem
5 meals per week	$448.00/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 institution in which he/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 & 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, room and board will be assessed based on 20% 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/she may be subject to 100% 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, 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 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, 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.

Motor Vehicles & Parking

Any Motor Vehicle Operated on Campus by Faculty, Staff, or Students Must Be Registered & Display a Registration Decal.

Parking Lot Fees

Reserved Faculty & Staff	$115.00
Faculty and Staff	$ 60.00
Students	$ 50.00

**Fees are subject to change*

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, 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.

INSTITUTIONAL ADVANCEMENT

DIVISION OF INSTITUTIONAL ADVANCEMENT

The Division of Institutional Advancement works 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 our primary constituents, and to enhance the quality of life in northeastern North Carolina. Our 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, community members, ECSU Foundation board members, ECSU employees, corporations, churches, parents, and Board of Visitors.

As university's the main external relations arm, the Division of Instirurional Advancement is headed by a vice chancellor and includes the areas of university relations and marketing, radio and television services, community development, and alumni relations.

Annual Fund

The Office of the Annual Fund functions include building a donor base that can be cultivated and developed to support all fund raising efforts; developing and motivating donors who will, on an annual basis, providing gifts to support ECSU; creating awareness and acceptance among a defined constituency; developing an understanding volunteer organization; identifying and cultivating major gift prospects for capital campaigns and planned gifts; and validating the mission of ECSU on an ongoing basis.

Corporate and Foundation Development

Under rhe Vice Chancellor for Institutional Advancement, Corporate and Foundation Development is 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 endowmenr 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 budgers 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

Major and Planned Gifts is a component of the Division of Institutional Advancement. Under the Vice Chancellor for Institutional Advancement, this unit 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 schools; 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 supporrs 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 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 DEVELOPMENT

The Office of Community Development is supported primarily by grant funds from the U.S. Department of Housing and Urban Development (HUD). The mission of the program is to provide assistance to low-wealth families in Elizabeth City, Pasquotank County, and surrounding communities by addressing the pressing developmental needs of affordable housing, neighborhood revitalization, and economic opportunity. Community Development services are provided through housing assistance projects, information dissemination, on-site

technical assistance, and a series of seminars and workshops.

The Community Development Program is designed with several goals in mind: (1) to expand home ownership and affordable housing opportunities; (2) to assist persons in obtaining decent, safe, and sanitary housing; (3) to increase awareness and compliance with fair housing laws; (4) to reduce drug abuse in local neighborhoods through education and outreach activities; (5) to expand economic opportunity through research, job training, and support for small/minority business development; (6) to maximize community development and redevelopment efforts by providing a broad range of technical assistance to local governments and neighborhood organizations; and (7) to provide practical learning experiences for students through internships and community service projects.

Office of University Relations and Marketing

The Office of University Relations and Marketing (URM) is a component of the Division of Institutional Advancement. The office uses strategic communications to increase knowledge of and support for the university among its various constituents and to enhance Elizabeth City State University's image and identity. University Relations and Marketing strengthens existing relationships and creates new ones by interacting with the media; marketing the university's educational opportunities, programs, services and activities; and conveying the university's key messages. As part of a two-way approach to communications and relationship-building, they also provide feedback from internal and external audiences and improve the image and identity of the university with that feedback.

The Office of University Relations and Marketing responsibilities include three basic areas: Media Relations, Publications and Marketing. Media Relations includes managing the distribution of information to the media; providing photography services for major university events; distributing information to the campus community; serving as a key resource to the university for crisis communication; publications includes editing and publishing the ECSU Magazine, admissions recruitment materials and university catalogs, overseeing the development of internal, Printed and online materials for divisions, departments, schools and programs, and reviewing and approving Printed and online materials produced for distribution to the public, marketing includes managing the creation and use of the university's brand and logos/marks; directing the university's marketing and branding efforts (including advertising); review and approving videos, advertising and marketing materials developed by divisions, departments, schools and programs; and developing strategies to build and strengthen relationships between the university and the community.

Radio and Television Services

Radio Services

The WRVS-FM, 89.9 HD Radio Station/Radio Services department is a component of the Division of Institutional Advancement under the leadership of the Vice Chancellor. A member supported National Public Radio (NPR) and Public Radio International (PRI) affiliate, WRVS is a non-commercial public radio station located on the campus of Elizabeth City State University operating at 41,000 watts with a signal reach that extends over a coverage area of 56 miles, which includes northeastern North Carolina and southeastern Virginia. In September 2008, WRVS underwent its digital conversion to become the first radio station in Elizabeth City and one of the first in northeastern North Carolina to broadcast using HD Radio™ technology. Our crystal clear 41,000 watts has been optimized to the highest standard available today in our region making WRVS that much more of an exciting radio destination.

WRVS-FM's flagship format is Adult Urban Contemporary, and features gospel, R&B, jazz, and more. It also highlights award-winning local and regional news and public affairs programs, as well as trusted, award-winning national and international news and programs from recognized sources. At the forefront of the radio station's mission, is its commitment to serve as a training facility for students and community volunteers interested in professional broadcasting careers in radio. WRVS trains student and volunteer staffs by providing the knowledge and skills necessary to compete with professionals for jobs in the broadcast industry. They are taught to produce radio programs with a focus on news and community engagement. These individuals are also encouraged to develop and produce ideas that WRVS' staff can develop into viable programs. In its 24 years of service, WRVS has given well over 1,000 thousand students and community volunteers the opportunity to gain real-world training in the field of radio broadcasting.

WRVS-FM also serves as an informational and public relations broadcasting tool that promotes the university's academic and student affairs programs. The radio station is also an instrument used for aiding in recruitment by attracting potential students and functioning as the primary media outlet for local high school and Elizabeth City State University students. Advancing the mission of Elizabeth City State University to prepare students to be leaders, WRVS provides practical and technical support to the Communication Studies curriculum at Elizabeth City State University.

Television Services

The W18BB-TV Station/Television Services department is a component of the Division of Institutional Advancement under the leadership of the Vice Chancellor. The primary mission of W18BB-TV/ Television Services is to prepare students in the Department of Language, Literature and Communication for industry-standard careers in television broadcasting by providing real world studio and field production experiences through a supportive learning environment. The station's secondary purpose is to create a media outlet supportive of university-related goals and objectives as well as community based initiatives. In its 17 years of service, the station has serviced hundreds of Communication Studies students, interns, work study students and student volunteers and is the home of the ECSU Mass Media Club. Additionally, the station has also served as an instrument for aiding in recruitment by attracting potential students and functioning as the primary media outlet for local high school and Elizabeth City State University students.

Four Main Components:

- Academia – providing students with both theoretical and practical learning experiences relative to the fields of television/video production and management as it pertains to the Communications Studies curriculum established by Elizabeth City State University;
- Information/Awareness – producing quality programs designed to educate and inform the University and the Elizabeth City area communities; creating programs that highlight and signify university events, university points of pride, and campus life as it pertains to Historically Black Colleges and Universities;
- Marketing – generating exposure for Elizabeth City State University through audio/visual marketing and recruitment tools used to increase and retain student enrollment; and
- Service – offering various television and video production services to the university and community.

ECSU Foundation

Mission Statement

The ECSU Foundation mission is to serve as the steward of private contributions to Elizabeth City State University in order to provide educational assistance for students, to support faculty, and to secure the operational needs of the university. The Foundation receives, invests, and administers funds received, as a result of charitable contributions from the private sector, on behalf of the students and programs at ECSU and, as a result, for the greater good of the community.

Guiding Principles

- To steward the resources entrusted to the organization's care,
- To support and assist others in conjunction with ECSU,
- To provide opportunities to individuals who might not otherwise be able to attend college,
- To invest wisely and conservatively to ensure growth of the endowment,
- To partner with the university to meet its mission in the community,
- To communicate openly, frequently and honestly with our constituents,
- To honor the privacy of our donors and friends,
- To value diversity in all its forms and respect the dignity of the individual,
- And to ensure that the organization meet both the letter and the support of the laws that govern our work.

The Elizabeth City State University Foundation - A Blended Component Unit of ECSU

Although legally separate, Elizabeth City State University Foundation, Inc. and Subsidiary, is a component unit of the University and is reported as if it were a part of the University. The Foundation is governed by a 25-member board consisting of 13 ex officio directors and 11 elected directors. The Foundation's purpose is to aid, support and promote teaching, research and service in the various educational, scientific, scholarly, professional, artistic and creative endeavors of the University. Because the elected directors of the Foundation are appointed by the members of the Elizabeth City State University Board of trustees and the Foundation's sole purpose in to benefit Elizabeth City State University, its financial statements are blended with those of the University.

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, allowed at a higher rate of return than other reserve funds, of the ECSU Foundation endowment allows the university to increase its impact on the region as well as the 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 its efforts, the ECSU Foundation is dedicated to the advancement and promotion of Elizabeth City Srate University.

INFORMATION TECHNOLOGY

The Department of Information Technology is composed of three departments: (1) IT Client Services is responsible for desktop computer support for the University community. Desktop support includes all faculty, staff, and lab computers, printers, and other peripherals owned by the University. It provides a broad range of assistance to faculty, staff, and students using instructional computing facilities. The staff is responsible for the maintenance of user-oriented software for software enhancements and supplemental assistance for general computing laboratory and academic support: (2) The Administrative Computing department is responsible for developing, integrating, and deploying the central administrative systems that support the business processes of Elizabeth City State University and the associated middleware, databases and automation tools, and applying state and federal requirements as it relates to IT security. Its missions include serving as a viable central administrative systems delivery and support unit for the university, managing efficiently university data center resources and providing relational database and other systems security for the university: (3) Network Services is responsible for the operation and maintenance of the existing voice, data and video, communications which includes the underground fiber and video cable plant. Additional services includes the fiber and wiring closets for data, voice and video network in each building, routers, switches, hubs, and various other network components..

END-USER SUPPORT SERVICES

IT Client Services is responsible for desktop computer support for the university community. Desktop support includes all faculty, staff, and lab computers, printers, and other peripherals owned by the University. Limited support is provided for student-owned hardware and software. The department offers a full complement of helpdesk support services, including evaluating, ordering, maintenance, and inventory tracking of software and hardware, email, and web services, as well as computing labs. In addition, it offers short-term reservations and loaning of laptops, projectors, and a fully equipped training facility. It also assists students in obtaining and maintaining a connection to the campus wireless network; however it does not support personal wireless access points.

All departments are located in the Information Technology Center (ITC), a two story, L-shaped building which houses office spaces for Network Services, IT Client Services, Administrative Computing, Distance Education, and Interactive Video Services. The facility has five computer labs which are also used for instructional purposes, a faculty Demonstration and Discovery lab, a lecture hall with ceiling mounted projection integrated with a computer, VCR, and DVD player, computer operations room, student lounge, a video conference room and two tele-classrooms. The labs provide access to state-of-the-art technologies that allow users to complete tasks such as Internet assignments, word processing, database, spreadsheets, multimedia presentations, scanning, programming, and web applications. In addition to the computer labs and classrooms, the department maintains laptops, LCD projectors, and a digital camera that can be checked out by the faculty and staff.

E-mail accounts are automatically created each semester for all students who officially register. Freshmen accounts are distributed at New Student Orientation. In addition to the labs in the ITC, there are currently 26 other computer labs and eight fully-functional videoconferencing centers located in departments across the campus. Most of these facilities provide discipline-specific resources that allow students to utilize applications relative to their major.

Academic Support Centers

Institutional Effectiveness, Research, & Assessment (Office of IERA)

Mission

The mission of the office of Instiutional Effectiveness, Research, & Assessment (IERA) is to provide leadership and support in developing and managing the institutional assessment, data management/research, and planning processes. The office of IERA provides feedback for continuous improvement to fulfill the mission and goals of the university.

To accomplish its mission, the Office:

- Plans and implements strategies to assess the extent to which the university achieves its mission and strategic goals.
- Collects, organizes, maintains, and analyzes institutional data to support university administration, operations, decision making, and planning.
- Coordinates a comprehensive method of evaluation for all academic programs and administrative units that contribute to the mission and strategic goals of the university.
- Provides leadership and administrative support for the university's learning outcomes assessment processes.
- Supports the implementation of improvements established due to assessment and evaluation.
- Integrates, where possible, internal evaluation processes with external accrediting and reporting needs.

The office of IERA is committed to providing efficient and responsive services to support strategic planning, assessment, and institutional research. The office of IERA is under the direction of the Associate Vice Chancellor for Academic Affairs.

Health Careers Access Program (ECSU Program)

The North Carolina Health Careers Access Program (NC-HCAP) is a statewide, inter-institutional organization located on the campus of the University of North Carolina at Chapel Hill. Established in 1971 by Dr. Cecil G. Sheps, NC-HCAP was created to help provide a solution to the severe shortage of underrepresented minority health professionals, specifically in underserved rural and inner-city North Carolina communities. For more than 35 years, NC-HCAP has provided programs and services to enhance the representation of minorities in the health professions, serving thousands of students, administrators and advisors, practitioners, community health agencies and local Area Health Education Centers (AHECs).

Mission

The mission of the North Carolina Health Careers Access Program is to increase the number of underrepresented minorities or economically/educationally disadvantaged students who are trained, educated, and employed in the health professions.

Vision

NC-HCAP envisions a society with equitable access to culturally competent healthcare across all racial and ethnic groups irrespective of geographic location (urban or rural) or socio-economic status – in short, a society where no health disparities exist.

Health Careers Center

The ECSU Health Resource Center is a health resource services outreach center primarily funded by the North Carolina Health and Wellness trust and operated by the Department of Health Professions of Elizabeth City State University. The primary objective of the center is prevention of the onset and progression of diabetes and cardiovascular diseases among at risk and low income populations in Pasquotank and surrounding counties of Northeastern North Carolina.

The center conducts routine risk assessment screenings in and outside of the center (churches and Food Lion stores), provides blood sugar, blood pressure, hemoglobin A1C, and total cholesterol monitoring for our clients and accepts referrals from several doctors' offices and the community care clinic in Elizabeth City for patient observation and monitoring. We also offer medication therapy reviews to our clients and make recommendations to their primary care physicians for their consideration.

Office of Distance and Continuing Education

Distance Education

Mission

The Distance Education program 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 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

- To offer an academically sound alternative to traditional face-to-face instruction via distance education technologies to meet the needs of non-traditional students.
- To provide administrators, faculty, and staff with professional development opportunities and resources essential for teaching and learning in online distance education courses.
- To increase student enrollment and retention by offering convenient and accessible online course and support services to address the needs of online students which supports the current and future workforce needs of the State of North Carolina.
- To continuously maintain and upgrade the technologies necessary to deliver quality online courses and to review current and emerging trends in online distance education in an effort to integrate best practices.

Students – Getting Started

Students interested in taking online courses 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 at the Distance Education website located at http://www.ecsu.edu/distanceeducation/, For Students, Getting Started.

Follow these 6 Easy Steps:

1. Find an Online Course
2. Apply Online for Admission
3. Register for Course(s)
4. Pay your Tuition and Fees
5. Purchase your Books
6. Begin your Course (s)

Continuing Education

Mission

The Continuing Education Program 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 needs of the citizenry of northeastern North Carolina and beyond. Continuing Education is the primary unit of the university responsible for non-credit offerings. Continuing Education provides lifelong learners with opportunities for learning new skills, advancing their careers, and for personal enrichment. Continuing Education utilizes the University's educational resources to offer lifelong learning experiences that provide continuing education units to non-traditional audiences.

Vision

The vision of the Continuing Education Program is to become a leader in offering non-credit opportunities to the citizenry of northeastern North Carolina and beyond. Through a focus on excellence in instructors, excellence in courses, and excellence in support services, the Continuing Education Program 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 for personal enrichment.
- To form partnerships with business, industry, public agencies, organizations, schools, etc. in an effort to offer opportunities for personal and professional development to their employees.
- To serve as a recruitment tool for prospective students
- To generate an additional source of revenue for the university

To see more detailed information on continuing education opportunities please visit our Continuing Education website at http://www.ecsu.edu/continuingeducation.

24/7 Blackboard Helpdesk Support

http://www.ecsu.blackboard.com

1-866-321-7157

Contact Information

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DE@mail.ecsu.edu- to request more information about Distance Education

CE@mail.ecsu.edu- to request more information about Continuing Educarion

Office of Sponsored Programs, Contracts and Grants

The Office of Sponsored Programs, Contracts and Grants (SPCG) is a component of the Division of Academic Affairs. Under the Provost and Vice Chancellor for Academic Affairs, SPCG conducts an aggressive and comprehensive sponsored research program to assist with the university's mission of teaching, research and community outreach by: 1) assisting faculty, staff and students with the procurement of grants, contracts and cooperative agreements from external sponsors; 2) promoting faculty involvement in collaborative research and partnerships; 3) administering the university's Title III Program to strengthen its infrastructure; and 4) ensuring that its privilege of receiving external support is protected. SPCG also works collaboratively with the Division of Business and Finance's Contracts & Grants Office and other relevant personnel to implement funded projects and ensure compliance with sponsor guidelines, rules, and regulations.

Since SPCG was established in 1993, the office has worked with university personnel to attract over $102 million for student scholarships and internships, equipment, technology and facilities upgrades, academic curricula enhancement, faculty and staff training, community outreach programs, scholarly research, and other sponsored projects.

University Planetarium

The ECSU Planetarium, the only planetarium located in northeastern North Carolina from the state line to Rocky Mount, functions as an academic support unit to strengthen and enhance the University's recruitment and retention efforts. First opened in January 1990, the Planetarium was charged with the mission to increase public awareness in the sciences, specifically for students of the University's 21-county service region of northeastern North Carolina. Since its inception, the Planetarium has functioned as a community outreach program, encouraging elementary and secondary students to (1) develop and enhance their academic skills, and (2) cultivate the interest and awareness needed to ultimately pursue post-secondary education in the sciences.

The ECSU Planetarium, housed within a 30 foot dome with a seating capacity of 60, is equipped with a Spitz 512 star projector, JHE automation system, various auxiliaries, laser systems, video projectors, slide projectors and special effects slide projectors that are used for various adult, college and educational multimedia programs addressing K-12 science competencies. Programs offered at the planetarium include: star shows, live night sky presentations, laser light shows, etc. Faculty and staff at ECSU, local schools and other institutions are regularly encouraged to utilize planetarium facilities and programs for course instruction and augmentation. Following the University calendar and Inclement Weather Policy, the ECSU Planetarium operates Monday through Friday, 8:00 am to 5:00 pm, year-round. Some limited evening and weekend hours are provided for special groups or events: 4-H, Boy Scouts, Girl Scouts, and feature presentations (Halloween, Thanksgiving, Christmas, Martin Luther King Jr. Memorial, Valentine's Day, African American History Month, National Women's History Month, Astronomy Day, etc.). All shows at the planetarium are free, but are conducted by reservation only. Groups of 20 or more may schedule their own show. Individuals and groups with less than 20 are encouraged to join other groups with reservations. For more information, visitors may either call (252)335-3SKY or visit the website at: http://www.ecsuplanetarium.org.

Academic Support Services

Academic Advisement Program

The Academic Advisement Program is operated by the Department of General Studies. It was established in 2007 in an effort to decrease the number of academic deficiencies and to help students graduate on time. An Academic advisor has been identified in each Department to advise students during the first two academic years. Students who are undeclared majors are assigned to advisors designated for undeclared majors. When undeclared students exit General Studies, they are assigned to an Academic Advisor in the discipline of their choice. Incoming freshmen who have chosen a major are assigned to an advisor in their major department. The Academic Advisement program publishes a newsletter to notify students regarding advisement services. Every semester, emails are sent to students informing them of advisement and registration dates, advisement locations, and contact persons.

Academic advisement begins at the New Student Orientation. The advisors are responsible for assisting students in completing the General Education Core Curriculum. Information about the Academic Advisement Program is disseminated to students and faculty through presentations at Orientation for new freshmen and transfer students, during faculty meetings, through emails, and the Academic Advisement Newsletter, as well as in the Freshmen Orientation classes. **Contact: Vicky Tillett, Department of General Studies, (252) 335-3474.**

Academic Support Center

The Academic Support Center designs and implements student-oriented activities geared to the individual academic needs of students enrolled in freshman and sophomore classes. The Center includes three laboratories that enhance the basic discipline skills of reading, writing, and mathematics, which are vital for academic achievement. Students who benefit from the Center's support services are identified as a result of their pre-college performance records and placement examinations, and they are subsequently assigned to one or more of three developmental courses. In addition, the Academic Support Center operates a computer laboratory which offers computer-based tutorials and course-related materials designed for learners wanting more in-depth study in discipline area. **Contact: Kimberly Griffin, Department of General Studies, (252) 335-3463.**

Center for Teaching Excellence

The Center for Teaching Excellence offers opportunities for faculty development to enhance teaching and learning. The Services include professional development workshops, consulting with individual faculty members and departments, teaching and learning enhancement, discussions of education issues, resource development, research, and collaborations. The Center for Teaching Excellence believes in the philosophy that teaching excellence is an attainable goal. **Contact: Joseph Lisowski, Center for Teaching Excellence, (252) 335-3753.**

First Year Experience Program

The First Year Experience (FYE) is a program designed to help new students make the connection to university life, academic excellence, student activities, programs and events, and resources. The First Year Experience (FYE) begins at New Student Orientation when new students arrive on campus for placement testing, course scheduling and academic advising. Students also have an opportunity to experience residence life and participate in student life activities. The FYE expands further with Freshman Seminar, a required one-hour course in which students learn about the rich history and culture of the University, time management skills, test-taking strategies, academic rules and regulations, Blackboard, library resources, and university student and academic support programs. Students also gain a variety of other skills and participate in activities designed to enhance the transition from high school to college. The First Year Experience encourages first year students to become involved, committed, and successful members of the university community by participating in the academic, social, and cultural opportunities available at ECSU. **Contact: Sherry Lewis, Department of General Studies, (252) 335-3323.**

International Program

The Office of International Programs (OIP) is designed to build a campus-wide global perspective through an academic exchange program that fosters service, support, and advocacy: Students may study abroad, conduct research, or participate in faculty-led trips in service learning. ECSU is committed to building and managing partnerships with universities around the world and expanding the presence of international students and faculty on the campus. The OIP has joined the University of North Carolina (UNC) Exchange Program, which offers a network of colleges and universities in nine

countries cooperating to provide affordable access to international education for a diverse student population. The mission of the OIP is to provide all students access to international campus opportunities. **Contact: Torian Lee, International Programs, (252) 335-3970.**

Study Abroad Program

Elizabeth City State University (ECSU) is a member of the UNC Exchange Program (UNC-Ep) and the International Student Exchange Program (ISEP). As a result of these linkages, ECSU students may spend a semester or full academic year studying in more than 200 institutions in 41 countries. Study abroad is affordable. Financial aid, including scholarships, may be used to pay for exchange programs. For further information, contact the Office of International Programs at (252) 335-3970 or visit the website http://www.ecsu.edu/academics/programs/international.index.cfm

Louis Stokes Alliance for Minority Participation

The Louis Stokes Alliance for Minority Participation is designed to increase the quality and quantity of students, particularly African-American and Native American students who are pursuing degrees and careers in science, engineering, and mathematics. **Contact: Warren Poole, Academic Affairs, (252) 335-3670.**

Model Scholars Program

The Model Scholar Program is a summer bridge program that includes courses in English and Mathematics, comprehensive support activities, and programs that promote personal development. Participation in the MODEL Scholars Program is by invitation only and is limited to residents of North Carolina. In order to qualify for this Program, students must have a minimum SAT Score of 700-800, an ACT Score of 14-16, and a 2.0 cumulative high school grade point average. **Contact: Monette Williams, Enrollment Management and Retention, (252) 335-8722.**

Tutorial Services Program

Tutorial Services 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 General Studies experience. Working in conjunction with major departments, Tutorial Services provides tutoring on an individual basis. The primary goal of the program is to meet students' academic needs and to provide academic support and a strong community base to its students. The program is committed to promoting independent, active learning among the students it assists. During the semester, Tutorial Services sends emails to students informing them of available tutorial services, the location of the office, and the hours of operation. **Contact: Lolita Turner, Department of General Studies, (252) 335-3525.**

University Honors Program

The Mission of the ECSU Honors Program is to provide an enhanced and supportive learning environment for academically gifted undergraduate students through the active involvement of faculty recognized for their excellence in teaching and research. The Honors Program is a unit with its own budget and includes a Director who reports to the Associate Vice Chancellor of Academic Affairs. The Director of the Honors Program works in close cooperation with the University Honors Council and the University Student Honors Council to establish and review policies and procedures for the Honors Program. The ECSU Honors Program challenges students with high academic potential at an accelerated rate. The Honors Program focuses on the colloquium concept, which is designed to improve students' oral and written communication skills. Students must maintain a 3.0 grade point average in their freshman year and a 3.25 GPA in subsequent years. In addition, students in the program must complete and defend a Senior Thesis Research Project and participate in service learning projects in the community. **Contact: Velma Blackmon, University Honors Program, (252) 335-3294.**

Viking Fellows Program

The ECSU Viking Fellows Program provides outstanding high school students an opportunity to become exemplary teachers without the financial burden of paying for college. The Program focuses on providing additional learning opportunities and a support system for students as they progress through their college education. The Viking Fellows Program provides an enriched program and scholarships to cover tuition, fees, room and board for four years. Upon acceptance of the scholarship, students agree to teach for four years in one of North Carolina's public, charter, or government schools. **Contact: George Cox, Viking Fellows Program, (252) 335-3878.**

Community Support Services

Currituck Sound Restoration Project

The Currituck Sound Restoration Project measures temperature, salinity, and turbidity to better understand the dynamics of Submerged Aquatic Vegetation (SAV) Habitat. This project also compliments the U.S. Army Corps of Engineers Currituck Sound Restoration Project Research. **Funding Source: US Department of Defense.**

Submerged Aquatic Vegetation Restoration Project in Currituck Sound

This project will provide restoration in the Currituck Sound and Back Bay areas. This project is important for a variety of Federal Trust Resources (vulnerable migratory birds and interjurisdictional fish). The U.S. Fish and Wildlife Service requires better information on restoration potential and restoration techniques for Submerged Aquatic Vegetation (SAV) in Currituck Sound and Back Bay to better manage, protect, and conserve migratory bird, fish, and other wildlife. This information is required to improve conservation efforts for the good of the pubic and natural resources. **Funding Agency: Department of Interior**

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 within the region to combat Northeastern North Carolina's critical pharmacy workforce shortage. **Funding agency: NC GlaxoSmithKline Foundation.**

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 announcement, social marketing campaigns, and student leadership development workshops. **Funding Agency: NC 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 School of Math, Science, and Technology, and the Pharmacy Program. **Funding Agency: Wachovia Foundation.**

Minority Science Engineering Improvement Project

This project seeks to address the nation to produce qualified and competent scientists, engineers, and mathematicians. Through this grant, Elizabeth City State University will provide professional development and instruction for faculty members from partnering institutions. **Funding Source: Department of Education.**

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 Ecesat, Landsat, and Insar) to assist in pioneering effort 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 Polar Gtid includes support for training activities associated with the 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.**

Textbooks and Learning Materials for Africa Program

The Textbook for Learning for Africa Program (TLM) is an international project that provides textbooks, learning materials, and educational training to teachers in the country of Senegal. The Textbook for Learning for Africa Program has been a key component of the former George Bush's Africa Education Initiative implemented by the Education Division of Africa Bureau's Office of Sustainable Development. The primary purpose of this project is to provide additional and effective learning materials at the primary level that will advance the Africa Education Initiative broader goal of raising the quality of education for African females. **Funding Agency: US Agency for International Development.**

Student Support Services

Academic Computing Center

The Academic Computer Center assists students to connect to the campus wireless services and provide support to the computer labs. The department laboratories provide access to state-of-the-art technologies such as Internet assignments, word processing, database, spreadsheets, multimedia presentations, programming, and Web applications. In addition to the four laboratories in the Information Technology Center (ITC), there are 21 other computer labs across campus. Each School has at least one laboratory and extended hours are provided for evening and weekend students' use of the laboratories. **Contact: Anthony Adade, Information Technology, (252) 335-3203.**

Banner Web Services

The Banner Web Service consists of five integrated systems and two web databases. These systems and web databases includes Student Information, Finance and Accounting, Financial Aid, Human Resources, Alumni Development, Web for Faculty (FSSB) and Web for Students (SSB). The Banner System is highly integrated and shared by the university personnel, students, graduates, and alumni members. **Contact: Mary Leary, Academic Computing, (252) 335-3701.**

Blackboard

Blackboard is a web based e-learning platform that provides easy to use interfaces to create and administer online learning materials. Advanced features include course authority tools, communication, assessment, and reporting functions. Student tools include a digital drop box, course, calendar, grade book, instructor manual, and student manual. The student is responsible for accessing the assigned course on Blackboard. **Contact: Kimberley Stevenson, Distance and Continuing Education, (252) 335-3699.**

Campus Post Office

The Campus Post Office is located in the Ridley Center. All residential students receive a rental mailbox per calendar year with the cost included in tuition. Non-residential students may rent a campus mailbox for $25 per calendar year. Postal Services includes postage stamps; money orders; express mail; priority, registered and certified mail; and delivery and pick-up mail to and from offices and residence halls. **Contact: Christopher Jones, Post Office, (252) 335-3382.**

Counseling and Testing Center

The Counseling and Testing Center offers free and confidential counseling to assist students in their transition to college life. Counselors are available for appointments or walk-ins during the weekdays 8am-5pm, and Wednesday until 7pm. The Center is staffed by a director, professional counselors, and a part-time psychologist. In addition, the staff provides training to two Student Peer Groups (i.e., Healthy Minds and Vikings Assisting New Students) who provide outreach activities for students.

The Counseling and Testing Center offers workshops to assist students in coping and adjusting to the demands of college life. Some of these workshops include Healthy Relationships, Spirituality, Stress, Depression, Anger Management, Alcohol, and Drug Abuse. The Counseling Center also offers Special Needs Services, Testing Services (SAT, GRE, PRAXIS, MAT, LSAT), and New Student Orientation Program during the summer. **Contact: Roosevelt Askew, Counseling and Testing Center, (252) 3275.**

Educational Talent Search Program

The Educational Talent Search Program is a comprehensive counseling and referral service funded by the U.S. Department of Education and sponsored by Elizabeth City State University. **Contact: Cheryl Lewis, Educational Talent Search Program, (252) 335-3429.**

Purpose

1. To identify qualified students with the potential for education at the postsecondary level and to encourage such students to complete secondary school and to undertake a program of postsecondary education;
2. To publicize the availability of financial assistance available to persons who pursue a program of postsecondary education; and
3. To encourage persons who have not completed programs of education at the secondary or postsecondary level, but who have the ability to complete such programs, to reenter such programs.

Educational Talent Search is designed to help participants reach their maximum educational potential by providing them with resources and skills that will enable them: (1) to successfully meet the challenges of the 21st century, (2) to make sound career decisions, and (3) pursue

postsecondary opportunities and rewarding trades and professions.

What Services are Available

This program provides the following personalized services and supportive educational opportunities:

- Academic Advisement and Counseling
- Career Exploration and Personal Development Workshops
- College Placement & College Fee Waivers
- Community/Parent Involvement
- Cultural Enrichment Trips/Campus Visitations
- Early Intervention Program Activities for Adolescents
- Financial Aid Assistance
- Information and Referral
- Lending Resource Library
- Newsletters
- SAT/ACT Test Prep and Fee waivers
- Study Skill Techniques and Computer-Assisted Instruction
- Summer Institute/Summer Bridge Program

Program Eligibility

A person may qualify by:

- Living in one of the six (6) targeted Northeastern North Carolina counties (Camden, Chowan, Currituck, Pasquotank, Perquimans, or Washington);
- Being at least 12 years of age and having completed the fifth grade;
- Being a U.S. citizen or eligible non-citizen;
- Being a potential first-generation college student and/or meeting the low-income criteria established by the U.S. Department of Education; and
- Having a strong desire to pursue a postsecondary education and feel that he or she can benefit from Talent Search's program services and resources.

Email Account Services

Students have access to various technological resources including email, electronic library resources, and the Banner System. An email account is automatically created when students register for classes and is available 24 hours after registration is complete. If a student is registered and is unable to access his or her account, the student can contact the Information Technology Support Helpdesk for assistance. **Contact: Tim Barclift, Network Services, (252) 335-3531.**

Enrollment Management and Retention

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, universities must manage increasing enrollments effectively. In addition, it is clear that recruiting targeted students and specific support strategies tend to support increased graduation rates. Using a multi-faceted approach, the university manages enrollment by coordinating the efforts of Admissions and Recruitment, Student Financial Aid and Scholarships, Registrar Office, and the Office of Retention.

The Office of Retention is dedicated to planning, coordinating, and administering retention efforts aimed at significantly improving the academic and social experience of ECSU students. ECSU is vested in a holistic approach to student success, and its retention efforts are framed with this in mind. ECSU is also dedicated to helping students overcome obstacles that may challenge student success (academic, social, financial, or personal).**Contact: Monette Williams, Enrollment Management and Retention, (252) 335-8722.**

Library Services

The G.R. Little Library is an 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.

The G.R. Little Library offers access to more than 1,300 journals in Print, 21,000 titles online via Journal Finder, more than 120 research databases, and over 480,000 microforms, and sound recordings and films. The Library provides access to WorldCat, a union catalog of the holdings of over 10,000 academic and public libraries worldwide.

With its extensive collection and its connection to external resources, the Library ensures that all students and faculty have access to the materials they need to fulfill the mission of the university. The G.R. Little Library's on-line public access catalog provides patrons with a searchable list of the Library's holdings. Our Library's collections, except Children's Literature and some Media holdings, are classified according to the Library of Congress Classification System.

The Educational Media Center, located on the second floor of the Library, plays a vital role in complementing all classroom instruction at the university. The Center provides various services that enhance classroom instruction and presentations.

The Library Instructional Lab is located on the second floor of the Library. The purpose of the lab is for the utilization and support of the library's information literacy program. The lab is equipped with 20 Dell PC workstations. The lab is available for Librarian and Faculty-led instruction sessions

The Multimedia workroom is located on the second floor of the Library. The purpose of the room is for listening to or making audio, video, and other multimedia presentations. Media staff is available to assist patrons in the effective use of the center's multimedia equipment.

The Claude Green Computer Lab is located on the second floor and equipped with 10 computes for student use. The purpose of the Lab is to provide facilities and equipment in which students can complete assignments required for courses.

The Library strives to be patron friendly. Professional and support staff is available to assist patrons with the online public access catalog, Circulation, Reference, Inter-Library Loan services, and Archival access services. They provide informational tours, lectures, and classroom Instruction. In addition, conference rooms, individual study carrels, a Media Center, a dedicated research computer lab, and other computers are available for student use. In order to orient and support students' academic learning, information literacy and distance learning tutorials are offered. Students are encouraged to participate in the Library through work study opportunities and by joining the Library Club. During the Fall and Spring Semesters, the Library is open 7:30am to 11pm, Monday through Thursday, closing Friday at 6pm and with limited hours on Saturday and Sunday. **Contact: Juantia Midgette, Library Services, (252) 335-3586.**

Lyceum

The Lyceum Program was established at ECSU to enlighten and enhance students' educational opportunities through cultural performances that include, but are not limited to the performing arts, the visual arts, and the lecture series. The Lyceum Program also offers several diverse cultural performances during the academic year. The Lyceum committee partners with the Black History Committee and the Art and Music Departments. The committee is composed of faculty, staff, and students. **Contact: Barbaina Houston-Black, Student Affairs, (252) 335-3279.**

McNair Post Baccalaureate Achievement Program (ECSU Program)

The McNair Scholars Program is a federally funded program designed to motivate students to pursue degrees in represented areas. McNair Scholars conduct summer research and are provided opportunities to visit other campuses and participate in activities that will encourage and stimulate their interest in graduate and professional careers. The McNair Scholars work with faculty members who mentor their research. These faculty members serve as ongoing as mentors and assist the scholars with the transition to graduate schools. **Contact: Cheryl Lewis, McNair Post Baccalaureate Program, (252) 335-3898.**

PIN Number Information

ECSU 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" which is generated by the Banner System when they 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 view the PIN number once it has been changed from the birth date by students. **Contact: Vincent Beamon, Office of the Registrar, (252) 335-3300.**

Residence Life

The Department of Housing and Residence Life provides a living and learning environment for students. Eight residential buildings and one off-campus facility provide housing for 55 percent of the student body. Students living on campus participate in hall meetings and attend workshops coordinated by the Resident Managers and the Student Assistants in each building. Some of the workshop topics include personal safety, solving roommate conflicts, and college drinking. Approximately 72 students receive residence life training each year to serve as desk assistants and resident life assistants in the residence halls. **Contact: Stephen Sylvester, Housing and Residence Life, (252) 335-3969.**

Special Needs Students

In accordance with Section 504 of the Rehabilitation Act of 1973, and American with Disabilities Act of 1990 (ADA), ECSU offers services through its Center for Special Needs Students. Any student seeking reasonable accommodations must notify the University. The Center for Special Needs provides forms and the 504 Student Data Sheets. Students must submit required completed forms to the Center for Special Needs Coordinator and also provide current documentation of their disability. **Contact: Marvalene Mouzon, Couseling and Testing Services, (252) 335-3919.**

University Bookstore

The University Bookstore is open from 8am-5pm Monday through Friday and is open for extended hours during fall and Spring registrations, homecoming, and other special campus events. The Bookstore provides a book rental service for students each semester and in summer school. School supplies, sundry products, and Viking pride merchandise are also available for students to purchase. The bookstore holds a senior day twice a year for graduating seniors and faculty to order academic regalia, senior invitations, and other items. **Contact: Pedro Holley, University Bookstore, (252) 335-3399.**

Upward Bound Program (ECSU Program)

The Upward Bound Program is a college-based program of rigorous academic instruction, individual tutoring, and counseling for low-income disadvantaged high school students who meet criteria established by the U.S. Department of Education. The selection of students is based on the recommendation of high school teachers and counselors. An individualized educational program is designed for each student. The Upward Program also provides enrichment activities and exposure to cultural events. **Contact: Maxine Baskerville, Upward Bound Program, (252) 335-3369.**

Veteran Students

ECSU has an agreement with the United States Department of Veteran Affairs to certify eligible veterans and children of veterans for Veterans Educational Benefits. The Veterans Administration Certifying Official for ECSU attends workshops and conferences to stay abreast of the updates and changes in benefits. Students receive Veterans Educational Benefits in accordance with the probation/suspension policy. Benefits will be paid for one semester while the student is in probationary status. The veteran or other eligible recipient will be recertified at the beginning of the next semester of enrollment for educational benefits only after a cumulative grade point average of 2.0 has been achieved. **Contact: Vivian Key, Office of the Registrar, (252) 335-3301.**

Academic Programs and Studies

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 two (5) five-week summer sessions at Elizabeth City State University has 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 students in the University who desire to hasten their acquisition of college degrees or to gain additional credits toward completion of their class standings. Third, they provide to 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 extracurricular activities.

A complete listing of course names, numbers and course call numbers, used for Web registration, is included in the Summer School Marketing Materials. Descriptions of the courses are found in the University Catalog. For more information, summer visitors may visit the ECSU web page at:
http://www.ecsu.edu/academics/summerschool/index.cfm

The Summer School Brochure is printed annually and contains general information on admission to the University, the summer school session calendar, course loads and records, tuition and fees etc. Please consult the summer school site (above) for policies and procedures, course cancellations, withdrawal/refund policy, drop and add policy, financial aid, on-campus housing, dining services, parking, bookstore, post office, library, student health services, and class attendance policy. Summer School mini sessions are currently in development and should be available during the summer of 2011 (Consult the university website for updated information.)

Summer Course Load

A normal course load for students is six (6) semester hours during each five (5) week session. A maximum number of hours that can be taken during a five (5) week term are six (6) hours.

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.

The schedule of classes, instructional formats, program designs, 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. 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 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. To a large extent the summer session is a projection of the academic year. Regular ECSU professors and an impressive adjunct faculty provide the instruction, and 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 to include NC-MSEN, Upward Bound, VA- NC LSAMP Program, The Model Scholar Program, etc. which bring hundreds of students of all ages with diversified interests to ECSU.

Program Administration

The Summer Program is a formal part of ECSU through which the teaching, service, and research activities along with the curricula are coordinated during the summer session. The diverse Summer Session student body includes: continuing and newly-admitted ECSU students, visiting students from colleges and universities throughout the United States and around the world, and professionals and others continuing their education.

The Summer Program Director is administratively responsible to the Provost and Vice Chancellor for Academic Affairs through the Associate 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 (NCASS) 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, call (252)335-3670 or visit our website at http://www.ecsu.edu/academics/offices/summerschool/index.cfm

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 active involvement of faculty recognized for their excellence in teaching small Honors seminars, and opportunities for research. The Honors Program shall be a unit with its own budget and a Director who is administratively responsible to the Vice Chancellor/Provost through the Associate Vice Chancellor for Academic Affairs. The Director shall work in close cooperation with a University Honors Council and a University Student Honors Council 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 classroom in community service activities;
4. Display exceptional proficiency in the command of both written and oral communication;
5. Exhibit awareness of literary, cultural, social, and community service behaviors and be able to assess the values such 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. Being designated an Honors section of a course implies that 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. They are intended to increase student interest and to improve the retention rate among Honors students.

The university provides means for the students to receive sufficient incentives, in order that they may fulfill their potential, by providing adequate recognition of outstanding student accomplishments. 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 sponsors debate teams to enhance student 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 provide 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 3.25 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 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 Program if they meet the above criteria in addition to having demonstrated outstanding performance in individual university-level courses. These students must obtain letters of recommendation from the Department of General Studies and approval from the Director of the Honors Program and/or the Honors Council. 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 who were enrolled in an honors program prior to matriculation at Elizabeth City State University will be invited to join the Honors Program. These students must present proper credentials and a letter of recommendation from the Director of the Honors Program in which they participated.

Retention Requirements

To remain in the Honors Program, students must maintain overall 3.0 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 expulsion 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 semester, they may apply for reinstatement. 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 Honors Designation, a student shall have completed 24 student credit hours of Honors courses by HON designation or by contract. To meet additional requirements, the student must complete and defend an Honors Thesis. Upon completion of degree requirements, the overall Grade Point Average must by 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 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:

1. Incorporate field trips and forums and seminars;
2. Include writing and group discussion as a regular part of class activities;
3. Demonstrate an integration of classroom knowledge with everyday events;

4. Include the reading from the list of 100 Plus Great Books; and
5. 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 * 1 Sem. Hr.
HON 195 1 Sem. Hr.

**In lieu of the Freshman Seminar (GE 122) course, which is offered by the Department of General Studies with additional opportunities for involvement in the areas of communication, literature, world problems, and social interaction.*

Sophomore Class—Sophomore Honors Colloquia
HON 294 1 Sem. Hr.
HON 295 1 Sem. Hr.
An interdisciplinary approach used in presenting themes and ideas which are related to and integrated with everyday events, world concerns, service learning, debate, etc.

Junior Class—Junior Honors Colloquia
HON 394 1 Sem. Hr.
HON 395 1 Sem. Hr.
A thematic approach involving the "Great Ideas" (Justice, Love, Death, etc.) as a frame of reference.

Senior Class—Senior Honors Colloquia
HON 494 3 Sem. Hrs.
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 495 1 Sem. Hr.
Designed for students to complete the senior thesis or literary/artistic production, etc. Prerequisite: HON 494; consent of Director of Honors Program.

General Studies

Honors Courses 9-15 Sem. Hrs.
Two courses in Honors English and one course in Honors Mathematics, if applicable, preferably in the Freshman year.

***Freshman Honors Colloquium**
HON 194 1 Sem. Hr.

Freshman Honors Colloquium
HON 195 1Sem. Hr.
One each semester

Sophomore Honors Colloquium
HON 294 1 Sem. Hr.

Sophomore Honors Colloquium
HON 295 1 Sem. Hr.
One each semester

Junior Honors Colloquium
HON 394 1 Sem. Hr.

Junior Honors Colloquium
HON 395 1 Sem. Hr.
One each semester

****Senior Honors Colloquium**
HON 494 3 Sem. Hrs.
This course includes a Senior Honors Thesis/Research Project which has to be approved by an advisor in the major Department with assent of the Honors Program Director and/or the Honors Council.
HON 495 1 Sem. Hr.
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.

1. Students may take 6–12 semester hours in their major disciplines by contract or Honors Option.
2. An overall grade point average of 3.25 for Honors courses.
3. A grade point average of at least a B earned in Senior Colloquia.
4. A cumulative grade point average of 3.25 in all university courses.

HON 201/202 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. 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 301/302 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 and transfer students. Prerequisite: Permission of Instructor of Honors Program Director.

Faculty members propose the theme of the course and outline the format of the class. 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 399/499 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 faculty upon approval of the Director of the Honors Program and Honors Council. Prerequisite: Junior or senior standing in the Honors Program.

** In lieu of Freshman Seminar*

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

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:

1. Reading in addition to that normally required for the course, attested to either by oral presentation or written work.
2. 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.
3. 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 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 Program also has a Student Honors Council, one member of which serves on the University Honors Council.

Office of Graduate Education

Graduate Program

The Office of Graduate Education at Elizabeth City State University is committed to the mission of the university by providing graduate level programs to meet the diverse needs of the citizenry of northeastern North Carolina. With excellence permeating all of its activities, Graduate Education seeks to provide a challenging and supportive environment that prepares its students to compete and excel in the 21st century global economy.

Our degree program offerings include: The Master of Education in Elementary Education, The Master of Science in Biology, The Master of Science in Mathematics, and The Master of School Administration. For your convenience, you may access our graduate catalog, applications and enrollment forms for all graduate programs online. For more information go to our website at:
www.ecsu.edu/academics/graduateeducation/index.cfm.
or visit our Graduate Education Office located in the K. E. White Graduate Center, Room 126.

DIVISION OF ACADEMIC AFFAIRS

ORGANIZATION

The Academic Units of the university consist of four Schools, and 17 Departments under the administrative leadership and supervision of the Provost and Vice Chancellor for Academic Affairs, Deans, Department Chairpersons, and Program Directors. The Schools and 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 Academic Schools, and Departments are as follows:

DEPARTMENT OF GENERAL STUDIES
DEPARTMENT OF MILITARY SCIENCE
SCHOOL OF ARTS AND HUMANITIES
- Department of Art
- Department of History and Political Sciences
- Department of Language, Literature, and Communication
- Department of Music
- Department of Social Sciences

SCHOOL OF BUSINESS AND ECONOMICS
- Department of Accounting
- Department of Business Administration

SCHOOL OF EDUCATION AND PSYCHOLOGY
- Department of Education
- Department of Health and Physical Education
- Department of Psychology

SCHOOL OF MATHEMATICS, SCIENCE AND TECHNOLOGY
- Department of Biology
- Department of Chemistry, Geology and Physics
- Department of Mathematics and Computer Sciences
- Department of Pharmacy and Health Professions
- Department of Technology

DEGREES OFFERED

The successful completion of academic units and general institutional requirements qualifies a student to receive one of the baccalaureate degrees offered by ECSU. 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, two or more closely related disciplines, or in an interdisciplinary field of study. All majors at Elizabeth City State University are defined in terms of a specific number of semester hours which may range from 30 to 48 semester hours.

RELATED AREAS — The requirement of a major in one discipline may include supporting (related areas) courses selected from other disciplines. For each major, such courses must be defined in terms of a specific number of semester hours which may range from 6 to 15 semester hours.

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. The number of hours for a concentration may range from 12 to 18.

ACADEMIC CONCENTRATION — An academic concentration is a group of prescribed courses in an academic discipline. It differs from a major principally in requiring fewer courses and providing less depth. It is offered to students majoring in Physical Education and Health, Elementary Education, and Special Education. An Academic Concentration has a specific number of semester hours which range from 24 to 27.

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.

Bachelor of Science Degree

Accounting
Aviation Science
Biology
Business Administration
Chemisrry

Criminal Justice
Physical Education
Marine Environmental Science
Graphic Design
Geology
Industrial Technology
Mathematics
Computer and Information Sciences
Physics
Psychology
Pharmaceutical Science

Engineering Technology

Bachelor of Arts Degree

Art
Communication Studies
English
History
Music
Political Science
Sociology

Bachelor of Social Work

Social Work

Bachelor of Science in Education Degree

Birth–Kindergarten (BK)
Elementary Education (Grades K-6)
Special Education (Grades K-12)
Middle Grades Education (Grades 6-9)

Bachelor of Science Degree with Teacher Licensure

Biology
Mathematics
Physical Education

Bachelor of Arts Degree with Teacher Licensure

(Minor in Education K–12)

Art
English
Music
History

Academic Concentration Options

Art
Biology
English
General Science
Spanish
Mathematics
Music
Psychology
Social Sciences

MINORS/CONCENTRATIONS

Accounting
Administrative Services (C)
Airway Science
American History
Applied Statistics
Applied Mathematics
Applied Music
Art
Art Therapy
Athletic Coaching
Aviation Science
Banking and Finance (C)
Biology
Biophysics
Biotechnology
Black Studies
Business Administration
Chemistry
Coaching and Sports
Computer Graphics
Computer and Electronics
Computer Science
Computer Networking
Correctional Recreation
Corrections
Criminal Justice
Drama (C)
Economics & Finance (C)
Education K-12
Electronics
English
Environmental Science
French
Geology
GIS/Remote Sensing
Graphic Design
Gerontology (C/M)
Health Hospitality Management (C)
Industrial Technology
Juvenile Justice Management (C)
Management and Information Systems (C)
Marine Science
Marketing (C)
Mass Communications (C)
Mathematics
Mechanical and Manufacturing Medical Physics
Military Science
Modern Languages
Molecular Biology/Biotechnology (C)
Money and Banking (C) Modern Languages
Money and Banking (C)
Museum Studies
Music
Music Business Administration (C)
Music Engineering and Technology (C)
News Media (C)
Office Administration (C)
Physical Education
Physics
Political Science
Pre-Law
Pre-Medical Technology
Pre-Medicine/Pre-Dentistry (C)
Pre-Occupational Therapy
Pre-Physical Therapy/Pre-Medicine
Professional Secondary Education
Public Administration
Public Health and Sanitation
Public History (C)
Psychology
Sociology
Speech/Drama Spanish
Speech Pathology (C/M)
Statistics
Studio Art
Sport Management

Departments & Schools

Department of General Studies

Department of Military Science

School of Arts and Humanities

- Art
- History and Political Science
- Language, Literature and Communication
- Music
- Social Sciences

School of Business and Economics

- Department of Accounting
- Department of Business Administration

School of Education and Psychology

- Department of Education
- Department of Health and Physical Education
- Department of Psychology

School of Mathematics, Science and Technology

- Department of Biology
- Department of Chemistry, Geology and Physics
- Department of Mathematics and Computer Science
- Department of Phatmacy and Health Professions
- Department of Technology

Department of General Studies

General Education Program

All students are part of the Department of General Studies until they are admitted to a major degree program in the School of Arts & Humanities; the School of Business & Economics; the School of Education & Psychology; or the School of Mathematics, Science & Technology. The Department of General Studies assists students from the time they enter the university until they complete the General Education Core Curriculum and are accepted into a major degree program.

Goals

The goals of the Department of General 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 the undergraduate degree programs at Elizabeth City State University. The core curriculum enables students to develop the skills and general knowledge 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 should complete the requirements of the General Education Core Curriculum before advancing to Junior level standing.**

The First-Year Experience Program

The First-Year Experience begins at New Student Orientation, when new students arrive on campus for a series of activities including placement testing, course scheduling, and academic advising. Students also have an opportunity to experience residence life and actively participate in student life activities.

The FYE expands further with Freshman Seminar, a required course, where students are exposed to the rich history and culture of the University, 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.

Academic Advisement Program

The Academic Advisement Program is a major component of General Studies. The objective of the program is to enable students to achieve excellence in their educational and personal goals. Students who indicate a major interest are advised by a faculty advisor in the academic department in which the major is offered. Advisors in General Studies primarily advise students who are undecided about a major. The advisors are responsible for assisting students in completing their general education requirements. Also, students enrolled in the Weekend/Evening Program are assigned to an advisor.

Specific responsibilities of the 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 General Studies; (2) providing guidance in the selection of courses where there are available options; (3) maintaining accurate advisement files and records of each student in General Studies; (4) following up on students in the testing program; (5) and assisting in the implementation of the Department's program designed for the retention of students. All new advisors are required to attend an Academic Advisement workshop prior to their first semester of advising students.

The Academic Support Center

The Academic Support Center is the component of General Studies which provides support services to the academic programs at Elizabeth City State University. The Center designs and implements student-oriented activities geared to the individual academic needs of students enrolled in the freshman and sophomore classes. The Center houses three laboratories that enhance the basic discipline skills of reading, writing, and mathematics which are vital for academic achievement. Students who would benefit from the support services of the Center are identified and assigned to one or more of three developmental courses as a result of their pre-college performance records and entrance examinations. In addition, the Center operates a computer laboratory which has computer-based tutorials and offers course-related materials designed for learners wanting more in-depth study in discipline areas. A professional team consisting of specialists in reading, writing, and mathematics provides direct services to students in laboratory settings. The Academic Support Center services are also available to upper-division students by referrals.

The Tutorial Services Program

The Tutorial Services 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

General Studies experience. The Tutorial Services Program provides tutorial services on an individual basis. The program works in conjunction with major Departments.

The primary goal of the Turorial Services Program is to meet its students' academic needs. Its focus is to provide academic support and a strong community base to its 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 General Studies students' academic achievements, as well as promoting a strong community among students, peer tutors, and faculty.

The General Studies Advisory Board

The General Studies Advisory Board (GSAB) functions as an advisory committee to the Chairperson of the Department of General Studies. The primary purpose of the GSAB is to assist the Chairperson in the planning, implementation, communication, and assessment of general education programs and curriculum. The GSAB makes recommendations to the Associate Vice Chancellor for Academic Affairs through the Chairperson of the Department.

The composition of the board's membership shall include faculty representatives from the degree granting programs and a representative from the following areas: Honors Program, Library, Institutional Effectives, Registrar's Office, and the Office of Retention.

Freshman Placement Testing

The Freshman Placement Testing Program evaluates first-time freshmen, readmitted and transfer students who have not completed three semester hours of acceptable transfer credits in both English and college level mathematics. Tests are administered in the areas of reading, writing, and mathematics. The placement tests are designed to help students identify skills that should be strengthened and to place students in appropriate English and mathematics courses. If indicated by test results, students who need further development will be assigned to developmental courses. The laboratories are located in the Academic Support Center and are designed for both skill development and enrichment.

Students who need to strengthen various college skills will be assigned to one or more of the following developmental courses. These courses will then constitute prerequisites for required English and Mathematics courses. Although GE 100, GE 106, and GE 109 carry course credit, these courses cannot be counted toward fulfilling graduation requirements.

GE-100 Grammar and Usage	(2)
GE-106 College Reading	(2)
GE-109 Introduction to College Math	(3)

Measure of Academic Progress & Proficiency Assessment

All freshmen and sophomore students are required to take the Measure of Academic Progress & Proficiency (MAPP) Assessment. The assessment will be administered to freshmen within the first eight weeks of their first semester. Sophomores who have completed a minimum of 38 general education credit hours, including a college level mathematics course and excluding health and physical education courses, will also be required to take the MAPP. Sophomore students must earn a score at the 25th percentile or above in every section of the test before they officially exit the Department of General Studies. Sophomore students who do not score at the 25th percentile will be required to complete PLATO tutorials and/or other remedial interventions as prescribed by the Department of General Studies. Upon completion of remediation, students will be required to re-take the MAPP until they achieve the required score.

Core Curriculum

General Education Core Curriculum 46-48 hours

Freshman Seminar **1 hour**
GE 122 (1) with special sections designated for students with declared majors;
HON 194 (1) is required for Honors Program students.
**This course is waived for transfer students with 12 or more transfer hours.*

English Composition **6 hours**
GE 100 Grammar and Usage (2) may be required based on placement exam scores.
GE 106 College Reading (2) may be required based on placement exam scores; *(Hours for GE 100 and GE 106 do not count towards fulfilling graduation requirements.)*
GE 102 English Composition and Grammar (3) is required of all students.
GE 103 English Composition and Vocabulary (3) is required of all students.
GE 102H and GE 103H are required for Honors Program students.

Literature and Language **6 hours**
GE 201 World Literature I (3) is required of all students.
GE 201H World Literature I Honors is required for Honors Program students.
The remaining three hours to be fulfilled by one of the following courses: GE 202, GE 202H, SPAN 101, SPAN 102, FREN 101, FREN 102, SPPA 250, SPPA 251.

Fine Arts and Communications **4 hours**
Choose <u>two</u> courses from the following: GE 130, GE 135, MUS 219, MUS 212, THEA 321, SPCH 214, SPCH 314.
Pharmacy majors are required to take SPCH 314.
Music majors are required to take MUS 212.

Social and Behavioral Sciences **12 hours**
GE 140 World Civilization I (3) is required of all students.
GE 141 World Civilization II (3) is required of all students except for Social Work majors.
Choose two courses from the following for the remaining hours: GE 142, HIST 250, HIST 251, HIST 255, HIST 256, GEOG 201, GEOG 204, POLS 200, POLS 301, POLS 304, SOC 201, SOC 202, SOC 204, SOC 302, PHIL 250, PHIL 251, ECON 201, ECON 202, PSY 212, *GLBS 200, BFIN 210. (Follow departmental recommendations.)

Natural Sciences and Mathematics **10 hours**
GE 109 College Math (3) may be required based on placement exam scores;
(Hours for GE 109 *do not count towards fulfilling graduation requirements.)*
At least one course of college level math (algebra or above) is required:
GE 115 College Algebra (3) or GE 118 Pre Calculus (3) or MATH 165 (4).
Education majors must take both MATH 121 (3) and MATH 122 (3).
Business majors must take MATH 153 (3).
At least one science course with the corresponding lab is required from the following:
GE 152/152L (3/1), GE 155/155L (3/1), GE 158/158L (3/1), CHEM 101/101L (3/1), CHEM 102/102L (3/1), ENSC 101/101L (3/1), GEOL 140 (4), MAS 111(3), PHYS 181/181L (3/1), PHYS 182/182L (3/1).

Computer and Information Literacy **3 hours**
CSC 111 (3) is required of all students except: CSC 115 (3) for Math, Science & Technology majors; EDUC 203 (3) for Education majors; BMIS 190 (3) for Business majors and ART 101 (3) for Graphic Design and Art majors.

Health and Physical Education **4 hours**
GE 185 Health Concepts (2) is required.
Choose any two 1 hour PE Activity courses or any 2 hour course from the following: GE 160, 161, 163, 164, 168, 169, 172, 173, 174, 175, 180, 181, 182, 183, 184, 186, 187, 191, 192, 193, 194, 195, PE 208, 209, 274, 279, 303, 388.
MIS 101 Basic Military Science (2) and MUS 200 University Marching band (1) may be used to fulfill the PE Activity requirement.

Department of Military Science

The U.S. Army Reserve Officers' Training Corps (ROTC) Program offers college students the opportunity to earn a commission as officers in the U.S. Army, the Army National Guard, or the U.S. Army Reserve while pursuing a college degree.

Objectives

The objectives of the ROTC Program are to:

1. Attract, motivate, and prepare selected students to serve as commissioned officers in the Regular Army, Army National Guard, and the U.S. Army Reserve.
2. Provide ROTC cadets with the basic concepts and Principles of military art and science.
3. 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.

   (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 Program is divided into two parts: Basic Course and Advanced Course.

All Freshman and Sophomore students 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.

During the final two years of college, 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, which consist of either three or four years active duty in the Regular Army, or to serve the entire commitment as a part time soldier in the Army National Guard or U.S. Army Reserve. The cadet is also required to perform an additional four years in the Inactive Ready Reserve, which consist of maintaining the cadet's information with no drill requirement.

Also available to students is the Simultaneous Membership (SMP). Cadets who qualify for SMP will be assigned to a National Guard/Reserve unit to train under a lieutenant or captain in the headquarters element. The SMP cadet will receive E-5 (Sergeant) Drill Pay and, once contracted, an additional $450 during the Junior year, and $500 the Senior year 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 Leader's Development and Assessment Course (LDAC). LDAC gives cadets the chance to practice what they've learned in the classroom, and 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 junior and community college graduates 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 4-week Leader's Training Course (LTC), normally held during the summer between their sophomore, junior and senior years of college. This 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 the Leader's Training Course (LTC) 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 Chairperson to exercise this option.

Army ROTC Scholarships Financial Assistance

Freshmen, Sophomores and first semester Juniors may apply for a Two or Three-year ROTC or Guaranteed Reserve Forces Duty Scholarship (GFRD). Freshmen and first semester Sophomores may apply for three-year ROTC Scholarships. The Two-year ROTC and GFRD and Three-year ROTC Scholarship are awarded on a competitive basis.

Each scholarship pays for college tuition and required educational fees, and provides a specified amount for textbooks, supplies, and equipment. Each scholarship recipient/contracted cadet will receive the following subsistence allowance: FR-$350, SO-$400, JR-$450, SR-$500 per month (cadets are actually paid every two weeks). For 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 in the reserves can commission in two years if they meet the requirements.

Program Design: Military Science
(Open To All Majors)

MIS 102/103 Basic Military Science 2 hours

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

Course and Number		Semester Hour Credit
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	2
MIS 402	Advanced Leadership and Management II	3
Total Required Hours for Minor		**18**

Residence Requirements: 18 Semester hours must be earned in residence. MIS 101 and 102 or Basic Training are the prerequisites for this minor. This minor will be available to Army Reserve Officer's Training Corps (ROTC) cadets that meet course requirements.

Each candidate must complete a course in written communications and human behavior 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, 102, 103, 104, 105; ENGL 317, 399, 401;
Human Behavior: SOC 201, 202, 204, 302, 304, 354, 360; PSY 212

**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
(Advanced Course)

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	Full-time Student
GRADE POINT AVERAGE	2.0 on 4.0 Scale
BASIC COURSE PERFORMANCE	2.0 GPA on 4.0 Scale
BASIC CAMP PERFORMANCE (Two-Year Program)	Student Potential Index 100 = Average 110 = Strong 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 Field Training Exercises Leadership Lab Performance Interaction with Cadets
LEADER'S DEVELOPMENT AND ASSESSMENT COURSE	APFT-180(60/60/60) Land Navigation Pass Day/Night Phase Pass Written Test Rifle Marksmanship- Qualify Tactics - Go/No Go Job Performance- Satisfactory Rating Peer Evaluation
OVERALL LEADERSHIP POTENTIAL	Results of All Other Elements Professor of Military Science Evaluation

SCHOOL OF ARTS & HUMANITIES

The School of Arts and Humanities is the largest of the university's four schools. The mission of the School of Arts and Humanities is to provide a quality liberal arts education which equips students with the knowledge, skills, and abilities to function effectively in their chosen areas of study in the arts, humanities, and social sciences. The School's faculty and staff nurture a vision of excellence which prepares students to assume productive leadership and service roles in a changing global society. Quality instruction, engaging research ideas and technologies, and responsive public service are the tools used to prepare students and citizens for the challenges of the 21st century.

The School of Arts and Humanities consists of five undergraduate departments that focus on the arts, humanities, social sciences, social work and criminal justice in order to strengthen critical thinking and analysis, problem-solving capabilities, communication skills and interpretive insights for students that are essential for effective performance in their pre-professional and professional program endeavors and careers. Opportunities exist to participate in teacher education programs in art, English, history or music.

Departments

The School of Arts and Humanities is comprised of the following departments:

- Arr
- History and Political Science
- Language, Literature, and Communication
- Music
- Social Sciences

Degrees offered

The School of Arts and Humanities offers programs each of which has one or more minors and/or concentrations that lead to the Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work. Those minors and/or concentrations are listed in each Department's section of this catalog.

BACHELOR OF ARTS DEGREE PROGRAMS

- Art
- Art (Art Education Licensure)
- Graphic Design
- History
- History (Secondary Social Studies)
- Political Science
- English
- English (English Education Licensure)
- Communication Studies
- Music (Composition or Performance)
- Music (Concentration in Music Business or Sound Recording Technology)
- Music (Music Education Licensure)
- Sociology

BACHELOR OF SCIENCE DEGREE PROGRAM

- Criminal Justice

BACHELOR OF SOCIAL WORK

- Social Work

Department of Art

The Department of Art offers students who are interested in the studio arts, graphic design, art education or theatre arts a solid foundation in a variety of courses. Instruction is given in drawing, painting, sculpture, graphic design, photography, printmaking, and ceramics. The Department also offers a full range of instruction in art history including Western and non-Western art from a multicultural perspective. An evolving core of courses is available in theatre arts, allowing for the development of skills in various facets of theatre production including directing, acting, and play production. A minor is available in theatre. Students who desire to teach art will minor in Education (K-12). The objectives of the Art Department for prospective art teachers are to:

1. Develop positive attitudes about oneself, about others, about art, and art education;
2. Develop the concepts and skills necessary for understanding and producing art;
3. Develop knowledge and appreciation of art in the past and present of various cultures;
4. Develop knowledge of art and art education as a vocation, and as a profession; and
5. Develop philosophy of and skills in art education

Mission Statement

The mission of the Department of Art is to support the university's liberal arts program by providing a challenging and supportive environment for learning and providing a solid education to prepare students for opportunities in professional careers, graduate school, and research.

The department provides baccalaureate level sequences of study that lead to a:

- Bachelor of Arts in Studio Art
- Bachelor of Science in Graphic Design

The Department of Art works in cooperation with the School of Education and Psychology to offer:

- Bachelor of Arts with Teacher Certification in Art

Goals

The goals of the Department are to provide students with the knowledge and skills necessary to pursue career opportunities or graduate study in visual arts, graphic design art education or theatre arts and to provide enriching experiences in the visual arts for the Elizabeth City State University students, faculty and citizens of the Albemarle region at large.

Objectives

The Department's objectives are as follows:

1. To provide art degree programs that:
   - Prepare students to pursue successful careers in the visual arts, graphic design and theatre arts;
   - Prepare students for graduate study;
   - Prepare students to become professional art educators;
2. Serve students who seek an overview of the visual arts and art history as part of their general education.
3. To provide art students with a comprehensive education that establishes a solid foundation in studio art, graphic design, art history, art theory, and opportunities to exhibit their work.
4. To support the university's liberal arts program by providing engaging courses in art for students majoring in other fields of study.
5. To support the university's community outreach initiatives by hosting a variety of art exhibitions, guest lecturers and workshops.
6. 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 art must first gain admission into Elizabeth City State University by applying to the university through the Office of Admissions. Following admission to the university, prospective art majors must complete an entrance exam to determine their level of knowledge of the visual arts.

Academic Expectations

Students are required to compile a portfolio and complete an interim exam at the end of their sophomore year to determine if adequate progress is being made. All students are expected to proceed through the required sequence of courses achieving a grade of C or better.

Senior Show/Portfolio

Students seeking a B.A. in Art or 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 Department of Art has an active internship program that provides students with opportunities to work with local businesses and arts organizations.

Teacher Education

Art education licensure students must be formally admitted into the Teacher Education program. Requirements for admission and retention are available from the School of Education and Psychology.

Art Department Curriculum

MAJOR: B.A. Degree in Art

A. General Education Core		**46**
B. Major Core Requirements		**54**
Core Courses		**42**
ART 100	Art Foundations	3
ART 101	Graphic Design I	3
ART 102	Drawing I	3
ART 103	Drawing II	3
ART 111	Three-Dimensional Design	3
ART 220	Painting I	3
ART 230	Sculpture I	3
ART 260	Printmaking I	3
ART 340	Photography I	3
ART 350	Ceramics I	3
ART 409	Senior Portfolio/Show	3
ART 400	Adv. Studio I	3
ART	Restricted Art Electives	6
Related Courses (Required)		**12**
Choose any 12 semester hours from the following courses:		
ARTH 211	Ancient Art	3
ARTH 212	Medieval Art	3
ARTH 217	History of Graphic Arts	3
ARTH 313	Renaissance Art	3
ARTH 315	African American Art	3
ARTH 317	Nineteenth-Century Art	3
ARTH 318	Twentieth-Century Art	3
ARTH 319	Baroque/Rococo Art	3
ARTH 416	Theory of Contemporary Art and Design	3
C. Minor and/or Free Electives		**25**
Total Semester Hours Required for Degree		**125**

**Art majors are not required to take GE 130. They may substitute any ARTH course for their General Studies requirement.*

Curriculum Guide for Majors in Art (Studio)

Freshman Year

First Semester

Course and number		Semester hrs
ART 100	Art Foundations	3
ART 102	Drawing I	3
GE 102	English Composition & Grammar	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE 185	Health Concepts	2
	Physical Ed. Activity	1
		16

Second Semester

ART 103	Drawing II	3
	Science w/Lab.	4
GE 103	English Composition and Vocabulary	3
ART 111	Three-Dimensional Design	3
GE 141	World Civilization II	3
	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
ARTH	Art History	3
ART 220	Painting I	3
ART 230	Sculpture I	3
GE 201	World Literature I	3
	Social and Behavior. Science	3
GE 135	Introduction to Music Literature	2
		17

Second Semester

ARTH	Art History	3
GE 115	College Algebra	3
GE 202	World Literature II	3
	Math or Science	3
	Social and Behavior. Science	3
		15

Junior Year

First Semester

Course and number		Semester hrs
ART 260	Printmaking I	3
ART	Electives/Minor	6
ART 340	Photography I	3
ART 350	Ceramics I	3
ARTH	Art History	3
		15

Second Semester

ART 400	Advanced Studio I	3
ART 101	Graphic Design	3
ARTH	Art History	3
	Minor/Electives	3
CSC 111	Introduction to Composition	3
		15

Senior Year

First Semester

ARTH	Art History	3
	Minor/Electives	12
		15

Second Semester

ART 409	Senior Portfolio/Show	3
ART	Art Elective	3
	Minor/Electives	9
		15

Total Semester Hours Required for Degree **125**

MAJOR: B.A. Degree in Art (Education K–12)

A. General Education Core		**46-47**
B. Major Core Requirements		**54**
Core Courses		**42**
ART 100	Art Foundations	3
ART 101	Graphic Design I	3
ART 102	Drawing I	3
ART 103	Drawing II	3
ART 111	Three-Dimensional Design	3
ART 220	Painting I	3
ART 230	Sculpture I	3
ART 260	Printmaking I	3
ART 340	Photography I	3
ART 350	Ceramics I	3
ART 400	Advanced Studio I	3
ART 409	Senior Portfolio/Show	3
ART	Restricted Art Electives	6
Related Courses (Required)		**12**
Choose any 12 semester hours from the following courses:		
ARTH 211	Ancient Art	3
ARTH 212	Medieval Art	3
ARTH 217	History of Graphic Arts	3
ARTH 313	Renaissance Art	3
ARTH 315	African American Art	3
ARTH 317	Nineteenth-Century Art	3
ARTH 318	Twentieth-Century Art	3
ARTH 319	Baroque/Rococo Art	3
ARTH 416	Theory of Contemp. Art Design	3
C. (Education K-12)		**27**
EDUC 479	Multicultural Foundations of Education	3

PSY 309	Child Development for Learning and Assessment	3
SPED 280	Introduction to Special Education & Diverse Learners	3
READ 320	Read. In Content Area	3
EDUC 478	Seminar in Contemp. Education Issues	P/F
EDUC 424	Internship I: Year-long Experience w/Art & Methods	3
EDUC 429	Internship II: Clinical Practice	12
Total Semester Hours Required for Degree		**127-128**

**Art majors are not required to take GE 130. They may substitute any ARTH course for their General Studies requirement.*

Curriculum Guide for Majors in Art (Education [K–12])

Freshman Year

First Semester

Course and number		Semester hrs
ART 100	Art Foundations	3
ART 102	Drawing I	3
GE 102	English Composition & Grammar	3
GE 122T	Freshman Seminar	1
GE 140	World Civilization I	3
GE 185	Health Concepts	2
	Physical Ed. Activity	1
		16

Second Semester

ART 111	Three-Dimensional Design	3
GE	Science/Lab	4
GE 103	English Composition & Vocabulary	3
ART 103	Drawing II	3
GE 141	World Civilization II	3
	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
ART 220	Painting I	3
ART 230	Sculpture I	3
GE 135	Introduction to Music Literature	2
GE 201	World Literature I	3
PSY 212	General Psychology	3
ART	Art Elective	3
		17

Second Semester

GE 115	College Algebra	3
ART 101	Graphic Design I	3
GE	Natural Science or Math Elective	3
GE 202	World Literature II	3
ARTH	Art History	3
		15

Junior Year

First Semester

Course and number		Semester hrs
GE 142	Introduction to Geography	3
ART 340	Photography I	3
ART 350	Ceramics I	3
ARTH	Art History	3
PSY 302	Human Development	3
PSY 309	Learning & Assessment	3
		18

Second Semester

ART	Art Elective	3
READ 320	Tchg. Read. Content Area	3
EDUC 479	Multicultural Education	3
SPED 346	Introduction to Special & At Risk Pop	3
EDUC 203	Introduction to Composition	3
		15

Senior Year

First Semester

Course and number		Semester hrs
ART 260	Printmaking I	3
ART 400	Advanced Studio I	3
EDUC 424	Art Ed. Methods	3
EDUC 400	Senior Seminar	P/F
ARTH	Art History	6
		15

Second Semester

EDUC 478	Seminar in Contemporary Ed. Issues (Optional)	P/F
EDUC 469	Student Teaching Art (K–12)	12
ART 409	Senior Portfolio/Show	3
		15
Total Semester Hours Required for Degree		**124-125**

**Art majors are not required to take GE 130. They may substitute any Art History course for their General Studies requirement.*

MAJOR: B.S. Degree in Graphic Design

A. *General Education Core		**46-47**
B. Major Core Requirements		**60**
Core Courses		**54**
ART 100	Art Foundations	3
ART 101	Graphic Design I	3
ART 102	Drawing I	3
ART 103	Drawing II	3
ART 201	Graphic Design II	3
ART 202	Graphic Design III	3
ART 210	Typography I	3
ART 301	Graphic Design IV	3
ART 302	Graphic Design V	3
ART 310	Typography II	3
ART 340	Photography I	3
ART 341	Photography II	3
ART 400	Advanced Studio (Graphic Design)	3
ART 406	Internship in Art (Graphic Design)	3
ART 409	Senior Portfolio/Show	3
ART 498	Graphic Design Theory	3
ART 499	Graphic Design Seminar	3
ARTH 217	History of Graphic Design	3
Related Courses (Required)		**9**
Choose any 9 semester hours from the following courses		
ARTH 211	Ancient Art	3
ARTH 212	Medieval Art	3
ARTH 313	Renaissance Art	3
ARTH 315	African American Art	3
ARTH 317	Nineteenth-Century Art	3
ARTH 318	Twentieth-Century Art	3
ARTH 319	Baroque/Rococo Art	3
ARTH 416	Theory of Contemporary Art Design	3
C. Minor/Electives		**18**
Total Semester Hours Required for Degree		**124-125**

**Art majors are not required to take GE 130. They may substitute any ARTH course for their General Studies requirement.*

Curriculum Guide for Major in Graphic Design

Freshman Year

First Semester

Course and number		Semester hrs
ART 100	Art Foundation	3
ART 102	Drawing I	3
GE 140	World Civilization I	3
GE 185	Health Concepts	2
GE 102	English Composition & Grammar	3
GE	Physical Ed. Activity	1
GE 122	Freshman Seminar	1
		16

Second Semester

ART 101	Graphic Design I	3
ART 103	Drawing II	3
GE 103	English Composition & Vocab.	3
GE 115	College Algebra	3
GE 141	World Civilization II	3
GE	Physical Ed. Activity	1
		16

Sophomore Year

First Semester

Course and number		Semester hrs
ART 201	Graphic Design II	3
ART 210	Typography I	3
GE 135	Music Lit	2
GE 201	World Lit I	3
GE	Science w/lab	4
		15

Second Semester

ART 202	Graphic Design III	3
GE	Soc/Behavior Science	3
GE 202	World Lit II	3
GE	Science or Math	3
ARTH 217	Hist of Graphic Design	3
		15

Junior Year

First Semester

Course and number		Semester hrs
ART 301	Graphic Design IV	3
ART 340	Photography I	3
ART 310	Typography II	3
	Minor/Elective	6
ARTH/ GE 130	Art History/Art Appreciation	3
		18

Second Semester

ART 302	Graphic Design V	3
ART 341	Photography II	3
	Minor/Elective	3
ART 333	Imaging	3
ARTH	Art History	3
GE	Soc. Behavior. Science	3
		18

Senior Year

First Semester

Course and number		Semester hrs
*ART 498	Graphic Design Theory	3
*ART 499	Graphic Design Seminar	3
ART 400	Adv. Studio/Graphic Design	3
	Minor Electives	3
ARTH	Art History	3
		15

Second Semester

ART 409	Sr. Portfolio/Show	3
ART 406	Graphic Design Intern	3
	Minor Electives	6
		12

Total Semester Hours Required for Degree **125**

**These classes must be taken at the same time.*

Department of History & Political Science

The Department of History and Political Science offers courses, related academic experiences, and programs leading to degrees in History and Political Science, minors in Public Administration, Global Studies, Geography, Black Studies, Political Science and American History, Religious Studies, and courses in Public History and General Education.

Bachelor of Arts in History

- With a minor in Secondary Social Studies Education
- With a minor in Geography
- With a minor in Global Studies
- With a minor of choice

Bachelor of Arts in Political Science

- With a minor in Public Administration
- With a minor in Global Studies
- With a minor in Geography
- With a minor of choice

The Department of History and Political Science offers a B.A. Degree in History, and Political Science, and minors in Global Studies, Public Administration, Black Studies, American History, Political Science, Geography and Religious Studies. These degree programs are designed to provide students with a broad liberal arts education, and to create an environment for students to develop academic skills in understanding their culture, history, and political institutions; and those of other societies and nations. Both the History and Political Science programs are committed to preparing thoughtful citizens and productive members of society through the utilization of diverse pluralistic curricula. The department offers a supportive and challenging learning environment that encourages majors to grow academically and professionally. As one of the department's goals of training students to be productive members of a global society, the department prepares teachers for public schools and provides outreach to the community through academic programs and student clubs. These activities are at the core of the department's mission. The department prepares students for advanced study in history, political science, law, public administration, geography, or other fields that lead to a variety of career options.

The department seeks to achieve the following goals:

1. Provide general studies courses for the General Education curriculum;
2. Provide core courses leading to the B.A. Degree in History;
3. Provide core courses leading to the B.A. Degree in Political Science;
4. Provide majors a coherent learning experience through coursework, internships, access to educational activities, discipline related technology, and community service;
5. Develop skills in critical thinking, critical reading, writing and analysis;
6. Provide training for majors in methods for the selection and use of diverse, quality resources for history, political science, and/or public administration
7. Prepare students for career opportunities in the fields of history, political science, public administration, public history, global studies, geography, and to teach in public and private schools through a minor in Secondary Education (History);
8. Prepare students for graduate study in the disciplines of History, Political Science, Law, Public Administration, and other related fields;
9. Offer minor fields in History, Global Studies, Black Studies, Geography, American History, Political Science, and Public Administration to all ECSU students;
10. Offer courses in Public History.

History Degree Program

This program seeks to provide a sound undergraduate education for students who may desire employment in a wide variety of fields in history, public history, global studies, geography, and the public schools; or who wish to pursue graduate studies in history, government, international relations, global studies, law, or journalism. The program further develops skills and techniques in research, writing, critical thinking and analysis; it also fosters attitudes of respect, appreciation, tolerance, and broad-mindedness toward Americans and their culture and toward people of ancient and modern civilizations. In addition, it introduces students to the history of politics, society, economy, and culture. In consultation with their advisor and recommendation of the chairperson, students can minor in other academic areas.

Political Science Degree Program

This program seeks to provide undergraduate programs in Political Science and a minor in Public Administration. In addition, it seeks to develop an understanding of the organization of local, state, and federal government; enable students to comprehend the formation and execution of public policy; prepare candidates for careers in government, law, research, and graduate and professional school; and facilitate admission to law schools. Both Political Science and Public Administration offer internships in local and state agencies as a part of the curriculum. In consultation with their advisor and recommendation of the chairperson, students can minor in other academic areas.

History Education

The Department, in conjunction with the School of Education, offers teacher licensure in Secondary Social Studies with a minor in Secondary Education. Students who wish to major in History and minor in Secondary Education must follow the curriculum for History majors and the curriculum for Secondary Education found under listings for the School of Education. History Education students must meet the benchmarks set forth along the traditional timeline or meet with the History Education Coordinator to set up a modified schedule that meets all curriculum requirements in the order required for successful completion of the secondary minor in education. The History major also offers courses leading to a Social Studies concentration for Elementary Education majors, and courses for the Social Sciences concentration in Middle-Grades Education.

History Major Concentration in Public History

Students who wish to major in History with a concentration in Public History must follow the curriculum for a major in History. In addition, the student must take HIST 489 (Historic Site Interpretation) and complete six semester hours of HIST 490 (Internship in History) with an approved agency. It is recommended that students seeking this concentration also take HIST 376 (History of North Carolina) to prepare for the HIST 489 (Historic Site Interpretation) curriculum.

Student Portfolios

Each student who majors in History and Political Science must complete a portfolio research project in their major. The portfolio/research process is started in the 200 level Introduction Course (HIST 200 and POLS 200). Progress is checked in the Research Methods course (HIST 397 and POLS 311). The portfolio/research paper is turned in as a part of the Capstone Course (HIST 499 and POLS 499). It is the responsibility of each student to keep the portfolio throughout his/her tenure in the department. As a part of the Research Methods Course and the Capstone Course, each major must complete a senior research project. This project is presented as a part of the Capstone Course and presented during Research Day activities.

Statement on Plagiarism and Academic Dishonesty within the Department of History and Political Science

Both the History major and the Political Science major require formal writing projects. Students are required to produce and submit their original work in all classes. The department has developed a procedure to address plagiarism that complements 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 without 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 material from another source and then failing to mention the source in a footnote/endnote and/or a "works cited" page.

Sources can include 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 board. In other words, if you use any content created by another, you must acknowledge it.

Academic dishonesty also includes cheating on examinations, quizzes, or any in-class assignment. Cheating is defined by the instructor.

PENALTY: For the first offense, the student will receive a "0" on the assignment. In addition, a letter will be written to the student informing them of this, and a copy of the letter will be sent to the student's advisor. If the student violates the policy a second time, the student will fail the course, and another letter will be written to the student and copied to the student's advisor, department chair, and dean. The two offenses can be in different classes (one offense in one course and one in another course equal two offenses).

For the third offense, the student will be referred to the Academic Standards and Credits Committee (university policy under Student Conduct).

RESPONSIBILITIES OF INSTRUCTOR AND OF THE STUDENT: It will be the responsibility of the instructor to explain this policy clearly. The instructor also will provide written examples of appropriate citation to current students, and will be available to discuss this policy with any student who is unclear about it, and will enforce it fairly. Students are responsible for following this policy and contacting the instructor as soon as they have any questions. Students have a right to appeal before a committee composed of faculty members in the Department of History and Political Science.

MAJOR: B.A. in History

A. General Education Core		**46**
B. Major Core Requirements		**42**
HIST 200	Introduction to History	3
HIST 250	Afro-American History to 1877	3
OR		
HIST 251	Afro-American History Since 1877	3
HIST 255	American History to 1877	3
HIST 256	American History Since 1877	3
HIST 397	Historical Methods and Historiography	3
HIST 499	History Seminar	3
	American History (select from 300-400)	6
	European History (select from 300-400)	6
	World History (select from 300-400)	6
	History Electives (select from 300-400)	6
C. Related Requirements		**9**
Political Science Courses take 9 semester hours		
POLS 301	American National Government	3
POLS 304	State and Local Government	3
POLS 307	American Political Ideas	3
POLS 403	American Foreign Policy	3
POLS 483	International Relations	3
D. Minor and Electives		**27**
Total Semester Hours Required for Degree		**124-128**

1. Complete a minimum of 124 hours with a cumulative grade point average of 2.0 or higher. The last 30 hours must be completed at ECSU.
2. Freshman and sophomore years – complete the requirements for General Studies.
3. Requirements for B.A. in History:

   42 semester hours in History;

   Required 18 hours in History: HIST 200, HIST 255, HIST 256, HIST 250 or HIST 251, HIST 397, HIST 499;

   6 hours each of upper level courses in American History, European History, World History, and History Electives.
4. Related courses in Political Science: nine hours.
5. All majors are encouraged to pursue a minor (in consultation with advisor).
6. Must earn C or better in HIST 200, HIST 397, & HIST 499.

Curriculum Guide for Majors in History

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition & Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE	Fine Arts/Communication	2
GE 140	World Civilization I	3
GE	Natural Science/Lab	4
GE	Physical Ed. Activity	1
		17

Second Semester

GE 141	World Civilization II	3
GE 103	English Composition and Vocabulary	3
GE	Fine Arts/Communication	2
GE 185	Health Concepts	2
GE	Natural Science or Math	3
CSC 111	Introduction to Computing	3
		16

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
GE	Physical Education Act	1
HIST 255	American Hist. to 1877	3
GE	Social & Behavioral Sciences	3
HIST 200	Introduction to History	3
GE	Social & Behavioral Sciences	3
		16

Second Semester

GE	Language and Literature	3
HIST 250	African-American History I or HIST 251 American History II	3
HIST 256	American Hist. Since 1877	3
POLS	Related Course	3
	Minor/Electives	3
		15

Junior Year

First Semester

Course and number		Semester hrs
HIST	American History	3
HIST	World History	3
HIST	American History	3
POLS	Related Courses	3
	Minor/Electives	6
		18

Second Semester

HIST	European History	3
HIST 397	Hist. Meth. and Hist.	3
HIST	World History	3
POLS	Related Course	3
	Minor/Elective	3
		15

Senior Year

First Semester

Course and number		Semester hrs
HIST	European History	3
HIST 499	History Seminar	3
HIST	History Elective	3
	Minor/Electives	6
		15

Second Semester

	Minor/Electives	9
HIST	History Elective	3
		12

Total Semester Hours Required for Degree **124-128**

MAJOR: B.A. in History with a Minor in Secondary Education

A. General Education Core		**46**
B. Major Core Requirements		**42**
HIST 200	Introduction to History	3
HIST 250	Afro-American History to 1877	3
OR		
HIST 251	Afro-American History Since 1877	3
HIST 255	American History to 1877	3
HIST 256	American History Since 1877	3
HIST 397	Historical Methods and History	3
HIST 499	History Seminar	3

	American History (select from 300-400)	6
	European History (select from 300-400)	6
	World History (select 300-400)	6
	History Electives (from below)	
	BFIN 210 Personal Financial Mngt.	3
	ECON 201 Principles of Economics	3
C. Related Courses		**9**
Political Science Courses take 9 semester hours:		
POLS 301	American National Government	3
POLS 304	State and Local Government	3
POLS 307	American Political Ideas	3
POLS 403	American Foreign Policy	3
POLS 483	International Relations	3
D. Minor		**30**
	Secondary Education Minor	**27**
HIST 491	Teaching History	**3**
Total Semester Hours Required for Degree		**127-128**

1. Complete a minimum of 127 hours with a cumulative grade point average of 2.0 or higher. The last 30 hours must be completed at ECSU.
2. Freshman and sophomore years – complete the requirements for General Studies.
3. Requirements for B.A. in History to the following:

   42 semester hours in History Core;

   Required 18 hours in History: HIST 200, HIST 255, HIST 256,HIST 250 or HIST 251, HIST 397, HIST499;

   6 hours each of upper level courses in American History, European History, World History, History Electives.

   For History Majors with Secondary Education Minor:

   a. The History electives (above) are mandated as follows:

      Required: BFIN 210 and ECON 201;

   b. EDUC 203 Introduction to Computer Inst. Tech. is required in place of CSC 111 for GE technology requirement.

   c. Secondary Education Minor must be completed (C or above in Professional Education Courses), along with HIST 491.

   d. History Secondary Education students must pass PRAXIS I or equivalent SAT/ACT scores and be admitted to Teacher Education Program (TEP) prior to enrolling in EDUC 350, EDUC 360, EDUC 430A, EDUC 466 or EDUC 478.
4. Related courses in Political Science: nine hours.
5. Must earn C or better in HIST 200, 397, and HIST 499.

Curriculum Guide for Majors in History with a Minor in Secondary Education

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 122T	Freshman Seminar	1
GE 185	Health Concepts	2
GE 140	World Civilization I	3
GE	Natural Science/Lab	4
GE	Physical Ed. Activity	1
		17

Second Semester

GE 141	World Civilization II	3
GE 103	English Composition and Vocabulary	3
GE	Fine Arts/Communication	2
EDUC 203	Introduction to Computer Inst Tech	3
GE	Natural Science or Math.	3
PSY 212	General Psychology	3
GE	Physical Ed. Activity	1
		18

Sophomore Year

First Semester

Course and number		Semester hrs
GEOG 201	World Geography	3
GE 201	World Literature I	3
* EDUC 190	Pre-Professional Studies I	2
EDUC 210	Introduction to Education	3
HIST 255	American Hist. To 1877	3
HIST 200	Introduction to History	3
		15/17

Second Semester

GE	Language or Literature	3
HIST 250	Afro-American History I	3
OR		
HIST 251	African-American II	3
HIST 256	American Hist. Since 1877	3
POLS	Related Course	3
ECON 201	Principles of Economics I	3
GE	Fine Arts/Communication	2
		17

Junior Year

First Semester

Course and number		Semester hrs
HIST	American History	3
BFIN 210	Personal Financial Management	3
HIST	American History	3
HIST	World History	3
POLS	Related Course	3
		15

Second Semester

HIST	European History	3
POLS	Related Course	3
HIST 397	Historical Methods	3
EDUC 310	Special Ed. & Diverse Learnings	3
EDUC 360	Teaching & Assessment	3
EDUC 350	Teaching Inter. & Content Rdg.	3
		18

Senior Year

First Semester

Course and number		Semester hrs
HIST	European History	3
EDUC 430A	Intern I/Sec/Mid Ins. Meth SS	3
HIST 499	History Seminar	3
HIST 491	Teaching History	3
HIST	World History	3
		15

Second Semester

EDUC 466	Internship II/Clin. Prac. Soc St.	12
EDUC 478	Seminar in Continuing Ed. Issues	P/F
		12
Total Semester Hours Required for Degree		**127-128**

**Students take EDUC 190 only if student has not passed PRAXIS I or met*

SAT/ACT test score equivalent for admission into TEP.

MAJOR: B.A. in Political Science

Political Science majors must complete the following:

1. Complete a minimum of 124 hours with a cumulative grade point average of 2.0 or higher. The last 30 hours must be completed at ECSU.
2. Complete General Education Core - 46 hours.
3. Complete Major Core Requirement - 36 semester hours
4. Complete General Electives: minimum 46 semester hours
5. Political Science Students who minor in Public Administration should take 15 semester hours of Public Administration courses. Students also have the option of taking PAD 402 or POLS 486 as electives in addition to the 15 semester hours required for the minor.
6. Complete 12 hours in related courses
7. Students can opt for POLS 490 Independent Study/Special Problems as an elective course in Political Science.
8. Must earn a grade of C or better in POLS 200, 311, and 499.

A. General Education Core		**46**
B. Major Core Requirements		**36**
POLS 200	Introduction to Political Science	3
POLS 301	American National Government	3
POLS 305	Political Theory	3
POLS 304	State and Local Government	3
PAD 200	Introduction to Public Administration	3
POLS 307	American Political Ideas	3
POLS 310	American Presidency	3
POLS 311	Political Science Methods	3
POLS 402	Pol. 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
POLS 499	Seminar/Research in Pol. Science	3
C. Related Courses		**12**

Select 12 semester hours from the following:

CJ 310	American Const. Law	3
CJ 406	Introduction to Jurisprudence	3
HIST 250*	Afro-American History	3
HIST 255	American History to 1877	3
HIST 256	American History Since 1877	3
HIST 385	Mod. European Hist. 1789-1918	3
OR		
HIST 386	Europe Since 1918	3
PHIL 250	Introduction to Philosophy	3
PHIL 251	Soc. and Pol. Philosophy	3
D. Minor/Electives		**30**
Total Semester Hours Required for Degree		**124**

** Indicates Required Course*

Curriculum Guide for Political Science Majors

Freshman Year

First Semester

Course and number		Semester hrs
GE 122	Freshman Seminar	1
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 140	World Civilization I	3
GE	Natural Science/Lab	4
GE	Physical Ed. Activity	1
GE 185	Health Concepts	2
		17

Second Semester

GE 141	World Civilization II	3
GE 103	English Composition &Vocabulary	3
GE	Fine Arts/Communication	2
GE	Natural Science/Math	3
GE	Social and Behavioral Science	3
GE	Physical Ed. Activity	1
		15

Sophomore Year

First Semester

Course and number		Semester hrs
GE	Fine Arts/Communication	2
GE 201	World Literature I	3
HIST 250	Afro-American History I	3
HIST 255	American Hist. to 1877	3
PHIL 250	Introduction to Philosophy	3
POLS 200	Introduction to Pol. Science	3
		178

Second Semester

GE	Language & Literature	3
HIST 256	American Hist. Since 1877	3
PHIL 251	Soc. and Pol. Phil.	3
POLS 301	American National Government	3
POLS 307	Political Theory	3
CSC 111	Introduction to Computing	3
		18

Junior Year

First Semester

Course and number		Semester hrs
HIST 385	Mod. Eur. Hist. 1789–1918	
OR		
HIST 386	Europe Since 1918	3
PAD 200	Public Administration	3
POLS 311	Political Science Methods	3
	Minor/Electives	6
		15

Second Semester

CJ 310	American Const. Law	3
POLS 310	American Presidency	3
	Minor/Electives	9
		15

Senior Year

First Semester

Course and number		Semester hrs
CJ 406	Introduction to Juris.	3
POLS 403	American Foreign Policy	3
POLS 483	International Relations	3
POLS 499	Sem./Research in Pol. Science	3
POLS 404	Comparative Government	3
		15

Second Semester

POLS 484	International Organ.	3
	Minor/Electives	9
		12
Total Semester Hours Required for Degree		**124**

**Select a total of 12 semester hours from these courses.*

MAJOR: B.A. in Political Science – Public Administration Minor

A. General Education Core		**46**
B. Major Core Requirements		**36**
POLS 200	*Introduction to Political Science	3
POLS 301	American National Government	3
POLS 304	State and Local Government	3
POLS 305	Political Theory	3
PAD 200	Introduction to Public Administration	3
POLS 307	American Political Ideas	3
POLS 311	*Political Science Methods	3
PAD 401	Introduction to Public Policy	3
POLS 402	Pol./Prob. of Contemporary Africa	3
OR		
HIST 473	Africa: Past & Present	3
POLS 403	American Foreign Policy	3
POLS 404	Comparative Government	3
POLS 483	International Relations	3
POLS 484	International Organization	3
POLS 499	*Seminar/Research in Pol. Science	3
C. Minor Courses in Public Administration		**15**
PAD 200	Introduction to Public Administration	3
PAD 301	Public Personnel Administration	3
PAD 302	Public Finance and Budgeting	3
PAD 400	Organizational Theory and Behavioral Theory	3
PAD 401	Introduction to Public Policy	3
PAD 402	Internship in Public Administration	3
D. Related Courses		**12**
CJ 310	American Const. Law	3
CSC 111	Introduction To Computing	3
HIST 250	African-American History I	3
HIST 255	American History to 1877	3
HIST 256	American History Since 1877	3
HIST 385	Mod. European Hist. 1789–1918	3
OR		
HIST 386	Europe Since 1918	3
PHIL 250	Introduction To Philosophy	3
E. Electives		**15**
Total Semester Hours Required for Degree		**124**

** Indicates Required Courses*

Curriculum Guide for Political Science Majors with a Public Administration Minor

Freshman Year

First Semester

Course and number		Semester hrs
GE 122	Freshman Seminar	1
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 140	World Civilization I	3
GE	Natural Science/Lab	4
GE	Physical Ed. Activity	1
GE 185	Health Concepts	2
		17

Second Semester

GE 141	World Civilization II	3
GE 103	English Composition and Vocabulary	3
GE	Fine Arts/Communications	2
GE	Natural Science/Math	3
	Social and Behavioral Sciences	3
GE	Physical Ed. Activity	1
		15

Sophomore Year

First Semester

Course and number		Semester hrs
GE	Fine Arts/Communications	2
GE 201	World Literature I	3
HIST 250*	African-American History I	3
HIST 255*	American Hist. to 1877	3
PHIL 250	Introduction to Philosophy	3
		14

Second Semester

GE	Language & Literature	3
HIST 256*	American Hist. Since 1877	3
CSC 111*	Introduction to Computing	3
POLS 301	American National Government	3
POLS 305	Political Theory	3
PAD 200	Introduction to Public Administration	3
		18

Junior Year

First Semester

Course and number		Semester hrs
	Minor/Electives	3
HIST 385*	Mod. Eur. Hist. 1789–1918 or	
HIST 386*	Europe Since 1918	3
POLS 304	State and Local Government	3
POLS 311	Political Science Methods	3
PAD 301	Public Personnel Admin.	3
		15

Second Semester

CJ 310*	American Const. Law	3
POLS 310	American Presidency	3
PAD 302	Public Finance and Budget	3
PAD 401	Introduction to Public Policy	3
	Minor/Electives	3
		15

Senior Year

First Semester

Course and number		Semester hrs
PAD 400	Org. Theory and Behavior. Theory	3
POLS 403	American Foreign Policy	3
POLS 483	International Relations	3
POLS 499	Sem/Research in Pol. Science	3
POLS 404	Comparative Politics	3
		15

Second Semester

POLS 484	International Organ.	3
PAD 402	Internship	3
	Minor/Electives	9
		15

Total Semester Hours Required for Degree **124**

**Select a total of 12 semester hours from these courses, one of which must include CSC 111 - Introduction to Computing.*

MINOR: American History

HIST 200	Introduction To History	3
HIST 250	African-American History To 1877	3
HIST 251	African-American History Since 1877	3
HIST 351	Early America: From Colonies To Early Republic, 1607—1820	3
HIST 352	19th Century America: Struggle of States Rights and Federalism, 1820-1877	3
HIST 353	The Gilded Age, 1877-1929	3
HIST 358	The Making of Modern America: 1930-present	3
Total Semester Hours Required for Minor		**21**

MINOR: Black Studies

ENGL 458	Black Writers in American Literature	3
THEA 425	Studies in Black Drama	3
HIST 250	African-American History to 1877	3
HIST 251	African-American History Since 1877	3
HIST 473	Africa: Past and Present	
OR		
POLS 402	Politics and Problems in Cont Africa	3
SOC 302	Race and Ethnic Relations	3
ART 347	Black Art	3
MUS 407	The African-American in Music	3
Total Semester Hours Required for Minor		**21**

MINOR: Political Science

POLS 200	Introduction To Political Science	3
POLS 301	American National Government	3
POLS 304	State and Local Government	3
POLS 305	Political Theory	3
PAD 200	Introduction to Public Administration	3
POLS 311	Political Science Methods	3
POLS 404	Comparative Government	3
Total Semester Hours Required for Minor		**21**

MINOR: Public Administration

PAD* 200	Introduction to Public Administration	3
PAD* 301	Public Personnel Administration	3
PAD* 302	Public Finance and Budgeting	3
PAD 400	Organizational Theory and Behavior	3
PAD 401	Introduction to Public Policy	3
PAD 402	Internship in Public Administration	3
POLS 301	American National Government	3
POLS 304	State and Local Government	3
Total Semester Hours Required for Minor		**15**

**Required*

MINOR: Geography

GEOG 201	World Geography	3
GEOG 221	Cartographic Principles	3
GEOG 305	Economic Geography	3
GEOG 308	Weather and Climate	3
GEOG 406	Geography of the U. S. and Canada	3
GEOG 409	Urban Geography	3
Total Semester Hours Required for Minor		**18**

MINOR: Global studies

Core Courses		
GLBS 200	Introduction to Global Studies	3
GLBS 320	World Societies and Cultures	3
POLS 404	Comparative Politics	3
POLS 484	International Organization	3
GEOG 201	World Geography	3
		15

Concentration: (Global Studies Minor)

Select 6 hours of the following from one of the categories below:

Politics

POLS 305	Political Theory	3
POLS 403	American Foreign Policy	3
POLS 483	International Relations	3
Concentration in Politics		**6**
OR		
African History and Politics		
HIST 473	Africa Past and Present	3
HIST 498	Special Topics in African History	3
POLS 402	Politics and Problems in Contemporary Africa	3
Concentration in African History and Politics		**6**
OR		
Global Economics Issues		
ECON 310	History of Economic Thought	3
ECON 325	Current Economic Problems	3
ECON 455	International Economics	3
Concentration in Global Economics Issues		**6**
Total Semester Hours Required for Minor		**21**

Concentration: Public History

HIST 489	Historic Site Interpretation	3
HIST 490	Internship in History	6
Total Hours Required		**9**

Department of Language, Literature & Communication

The Department of Language, Literature, and Communication provides all students with integrated experiences and instruction in the English language, literature, creative writing, communication studies, mass communications, speech pathology, and foreign languages. It seeks to achieve six major objectives:

1. To develop in all students proficiency in the use of the English language and in critical 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 who major in English to teach English in the secondary school or to pursue graduate studies;
4. To prepare students for graduate study in speech pathology;
5. To prepare students for careers in mass communication; and
6. To provide majors with a rich background in communication skills and to encourage their admission into professional programs such as law, public relations, government services, 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:

- Understanding of the functions, use, and disorders of language in its diverse levels of communication;
- Familiarity with literature appropriate for children and adolescents;
- Understanding of the role of communication in daily life with a focus on the importance of cultural diversity in communication;
- Recognition of and ability to address students' needs (within the discipline) that have been determined by students' backgrounds;
- Proficiency in the use of professional skills, techniques, methodologies and supportive techniques in specific disciplines;
- Acquisition of professional values and ethics;
- A continuous regimen of self-growth and professional development;
- Mastery of their creative writing skills; and
- An introduction to the discipline of speech language pathology.

The Department of Language, Literature, and Communication offers B.A. degrees in English and Communication Studies. The concentrations and minors in the English degree program 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 B.A. degree in Communication Studies includes specialty areas of Print and broadcast journalism, public relations, and advertising.

Degree focus can include a concentration in creative writing, mass communication, news media or the option of a minor. The Department offers minors in speech pathology and foreign languages (French and Spanish) for Department majors and for students majoring in areas outside of the Department. In addition, non-English majors can take an academic concentration in English.

The Department of Language, Literature, and Communication offers the following courses in the University Honors Program:

Freshman Composition Honors I and II (GE 104/105, 3/3 semester hrs);

- World Literature Honors Seminar I and II (GE 203/204, 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, portfolio evaluation, and senior exit exam, prior to graduation.

MAJOR: English with a Creative Writing Concentration

A. General Education Requirements		**46**
B. Major Requirements		**46**
CORE Courses		**34**
ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
ENGL 302	English Literature II	3
ENGL 305	American Literature I	3
ENGL 306	American Literature II	3
ENGL 317	Advanced Composition	3
ENGL 322	Advanced English Grammar	3
ENGL 327	History of the English Language	3
ENGL 425	Shakespeare	3
ENGL 430	The English Novel	3
ENGL 475	Literary Criticism	3
ENGL 490	Career Planning Seminar	1
CONCENTRATION in Creative Writing		**12**
ENGL 399	Creative Writing	3
ENGL 402	Creative Writing: Poetry	3
ENGL 403	Creative Writing: Fiction	3
ENGL 405	Writing for Stage, Film and Television	3
C. Related Courses		**12**
French or Spanish (Two consecutive courses for 6 sem hrs)		
FREN 101	Elementary French I	3
FREN 102	Elementary French II	3
FREN 201	Intermediate French I	3
FREN 202	Intermediate French II	3
FREN 301	Survey of French Literature I	3
FREN 302	Survey of French Literature II	3
OR		
SPAN 101	Elementary Spanish I	3
SPAN 102	Elementary Spanish II	3
SPAN 201	Intermediate Spanish I	3

SPAN 202	Intermediate Spanish II	3
SPAN 301	Survey of Spanish Literature I	3
SPAN 302	Survey of Spanish Literature II	3
Speech		
SPCH 314	Public Speaking	3
ENGL 401	Technical Writing	3
D. Minor or Electives .		**20**
Total Semester Hours Required for Degree		**124**

Majors are encouraged to select a minor or electives that will broaden their understanding, knowledge, skills, and round out their Liberal Arts education.

Curriculum Guide: Major in English with a Concentration in Creative Writing

Freshman Year

First Semester

Course and number		Semester hrs
GE 102/104	Composition I/Honors	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Nat. Science/Lab	4
	Foreign Language	3
		17

Second Semester

GE 103/105	Composition I/Honors	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
GE	Physical Ed. Activity	1
GE	Nat. Science or Math	3
	Foreign Language	3
GE 135	Introduction to Music Lit	2
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201/203	World Literature I/Honors..	3
GE 185	Health Concepts	2
GE	Social/Behavior Science	3
ENGL 300	Traditional Grammar	3
SPCH 314	Public Speaking	3
	Physical Ed. Activity	1
		15

Second Semester

GE 202/204	World Literature II/Honors	3
GE	Social/Behavioral Studies	3
ENGL 317	Advanced Composition	3
Elective	3	
CSC 111	Computer Science	3
		15

Junior Year

First Semester

Course and number		Semester hrs
ENGL 301	English Literature I	3
ENGL 305	American Literature I	3
ENGL 322	Adv. English Grammar	3
ENGL 399	Creative Writing	3
	Electives	3
		15

Second Semester

ENGL 302	English Literature II	3
ENGL 306	American Literature II	3
ENGL 327	Hist. of English Lang	3
ENGL 401	Technical Writing	3
ENGL 402	Poetry Writing	3
		15

Senior Year

First Semester

Course and number		Semester hrs
ENGL 403	Creative Writing: Fiction	3
ENGL 405	Writing for Stage, Film and TV	3
ENGL 425	Shakespeare	3
ENGL 430	The English Novel	3
	Electives/Minor	3
		15

Second Semester

ENGL 475	Literary Criticism	3
ENGL 490	Career Planning Seminar I	
	Electives/Minor	11
		15

Total Semester Hours Required for Degree **124**

MAJOR: English with a Mass Communications Concentration

A. General Education Requirements		**46**
B. Major Requirements		**49**
CORE Courses		**34**
ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
ENGL 302	English Literature II	3
ENGL 305	American Literature I	3
ENGL 306	American Literature II	3
ENGL 317	Advanced Composition	3
ENGL 322	Advanced English Grammar	3
ENGL 327	History of the English Language	3
ENGL 425	Shakespeare	3
ENGL 430	The English Novel	3
ENGL 475	Literary Criticism	3
ENGL 490	Career Planning Seminar	1
CONCENTRATION in Mass Communications		**15**
MCOM 250	Introduction to Broadcasting	3
MCOM 350	Broadcast Writing I	3
MCOM 353	Radio Production	3
MCOM 355	Television Production	3
JOUR 349	Introduction to Mass Media	3
C. Related Courses		**12**
French or Spanish (two consecutive courses for 6 sem hrs)		
FREN 101	Elementary French I	3
FREN 102	Elementary French II	3
FREN 201	Intermediate French I	3
FREN 202	Intermediate French II	3
OR		
SPAN 101	Elementary Spanish I	3
SPAN 102	Elementary Spanish II	3
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3
SPAN 301	Survey of Spanish Literature I	3
SPAN 302	Survey of Spanish Literature II	3
Other		
SPPA 200	Introduction to Phonetics	3
SPCH 314	Public Speaking	3
D. Minor or Electives		**17**
Total Hours Required for Degree		**124**

Majors are encouraged to select a minor or electives that will broaden their understanding, knowledge, and skills, and round out their liberal arts education.

Curriculum Guide: Major in English with Mass Communications Concentration

Freshman Year

First Semester

Course and number		Semester hrs
GE 102/104	Composition I / Honors	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Nat. Science/Lab	4
	French or Spanish	3
		17

Second Semester

GE 103/105	Composition II / Honors	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
GE	Physical Ed. Activity	1
GE	Nat. Science/Math	3
	French or Spanish	3
		15

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201/203	World Literature I/Honors	3
GE 135	Introduction to Music Literature	2
GE 185	Health concepts	2
PSY 212	General Psychology	3
ENGL 300	Traditional Grammar	3
SPPA 200	Introduction to Phonetics	3
		16

Second Semester

GE 202/204	World Literature II/Honors	3
GE	Soc/Behavioral Science	3
ENGL 317	Advanced Composition	3
SPCH 314	Public Speaking	3
GE	Physical Ed. Activity	1
		13

Junior Year

First Semester

Course and number		Semester hrs
ENGL 301	English Literature I	3
ENGL 305	American Literature I	3
ENGL 322	Adv. English Grammar	3
JOUR 349	Introduction to Mass Media	3
	Electives/Minor	3-6
		15-18

Second Semester

ENGL 302	English Literature II	3
ENGL 306	American Literature II	3
ENGL 327	Hist. of English Lang	3
MCOM 250	Introduction to Broadcasting	3
CSC 111	Computer Science	3
		15

Senior Year

First Semester

Course and number		Semester hrs
ENGL 425	Shakespeare	3
ENGL 430	The English Novel	3
MCOM 350	Broadcast Writing	3
MCOM 355	Television Prod.	3
	Electives/Minor	3-6
		15-18

Second Semester

ENGL 475	Literary Criticism	3
MCOM 353	Radio Production	3
MCOM 498	Internship	3-6
	Electives/Minor	6
		15-18

Total Semester Hours Required for Degree **124**

MAJOR: English with a News Media Concentration

A. General Education Requirements		**46**
B. Major Requirements		**46**
CORE Courses		**34**
ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
ENGL 302	English Literature II	3
ENGL 305	American Literature I	3
ENGL 306	American Literature II	3
ENGL 317	Advanced Composition	3
ENGL 322	Advanced English Grammar	3
ENGL 327	History of the English Language	3
ENGL 425	Shakespeare	3
ENGL 430	The English Novel	3
ENGL 475	Literary Criticism	3
ENGL 490	Career Planning Seminar	1
Concentration in News Media		**12**
JOUR 349	Mass Media	3
JOUR 351	Journalism I	3
JOUR 352	Journalism II	3
JOUR 451	Broadcast Journalism	3
C. Related Courses		**12**
French or Spanish (two consecutive courses for 6 sem hrs)		
FREN 101	Elementary French I	3
FREN 102	Elementary French II	3
FREN 201	Intermediate French I	3
FREN 202	Intermediate French II	3
FREN 301	Survey of French Literature I	3
FREN 302	Survey of French Literature II	3
OR		
SPAN 101	Elementary Spanish I	3
SPAN 102	Elementary Spanish II	3
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3
SPAN 301	Survey of Spanish Literature I	3
SPAN 302	Survey of Spanish Literature II	3
Speech		
SPCH 312	Oral Interpretation of Literature	3
SPCH 314	Public Speaking	3
D. * Minor or Free Electives		**20**
Total Semester Hours Required for Degree		**124**

Majors are encouraged to select a minor or electives that will broaden their understanding, knowledge, and skills, and round out their liberal arts education. Majors interested in teaching English in the middle grades and/or the secondary school may select a teaching minor in one or both programs.
Students electing to minor in Middle Grades Education and/or Secondary Education will be required to complete hours in excess of the 23 semester hours cited above.

Curriculum Guide: Major in English with News Media Concentration

Freshman Year

First Semester

Course and number		Semester hrs
GE 102/104	Composition I/Honors	3
GE 115	College Algebra	3

GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Nat. Science/Lab	4
	* French or Spanish	*3
		17

Second Semester

GE 103/105	Composition II/Honors	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
GE	Physical Ed. Activity	1
GE	Nat. Science or Math	3
	French or Spanish	3
		15

**Two consecutive courses (6 semester hours) in French or Spanish (or another accepted modern language)*

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201/203	World Literature I/Honors	3
GE 135	Introduction to Music Literature	2
GE 185	Health Concepts	2
PSY 212	General Psychology	3
ENGL 300	Traditional Grammar	3
SPCH 312	Oral Interpretation	3
		17

Second Semester

GE 202/204	World Literature II/Honors	3
GE	Soc./Behavioral Science	3
ENGL 317	Advanced Composition	3
SPCH 314	Public Speaking	3
CSC 111	Computer Science	2
GE	Physical Ed. Activity	1
		15

Junior Year

First Semester

Course and number		Semester hrs
ENGL 301	English Literature I	3
ENGL 305	American Literature I	3
ENGL 322	Advanced English Grammar	3
JOUR 349	Mass Media	3
	Electives/Minor	3
		15

Second Semester

ENGL 425	Shakespeare	3
ENGL 430	The English Novel	3
JOUR 352	Journalism II	3
JOUR 451	Broadcast Journalism	3
	Electives/Minor	3
		15

Senior Year

First Semester

Course and number		Semester hrs
ENGL 302	English Literature II	3
ENGL 306	American Literature II	3
ENGL 327	Hist. of English Lang	3
JOUR 351	Journalism I	3
	Electives/Minor	3
		15

Second Semester

ENGL 475	Literary Criticism	3
ENGL 490	Career Planning Seminar	1
	Electives/Minor	3-6
	Internship	3-6
		10-16

Total Semester Hours Required for Degree **124**

MAJOR: English with a Speech Pathology Minor

This major is designed to prepare students for graduate study in Speech Pathology.

A. General Education Requirements		**46**
B. Major Requirements		**49**
CORE Courses		**25**
ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
ENGL 302	English Literature II	3
ENGL 305	American Literature I	3
ENGL 306	American Literature II	3
ENGL 317	Advanced Composition	3
ENGL 322	Advanced English Grammar	3
ENGL 327	History of the English Language	3
ENGL 490	Career Planning Seminar	1
MINOR in Speech Pathology		**21**
SPPA 190	Introduction to Communication Disorders	3
SPPA 200	Introduction to Phonetics	3
SPPA 255	Speech and Language Development	3
SPPA 330	Introduction to Audiology	3
SPPA 351	Anatomy & Phys. of the Speech Mechanism	3
SPPA 352	Articulation & Phonological Disorders	3
SPPA 450	Aural Rehabilitation	3
C. Related Courses		**12**
French or Spanish or Sign Language (Two consecutive courses for 6 sem hrs)		
FREN 101/ SPAN 101	Elementary French/Spanish I	3
FREN 102/ SPAN 102	Elementary French/Spanish II	3
SPPA 250	Sign Language I	3
SPPA 251	Sign Language II	3
Speech		
SPCH 201	Voice and Diction	3
SPCH 314	Public Speaking	3
D. Electives		**17**
Total Semester Hours Required for Degree		**125**

Majors are encouraged to select electives that will round out their liberal education in addition to SPPA electives.

Curriculum Guide: Major in English With Speech Pathology Minor

Freshman Year

First Semester

Course and number		Semester hrs
GE 102/104	Composition 1/Honors	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Nat. Science/Lab	4
	French or Spanish	3
		17

Second Semester

GE 103/105	Composition II/Honors	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
GE	Physical Ed. Activity	1
GE	Nat. Science or Math	3
	French or Spanish	3
		15

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201/203	World Literature I/Honors	
GE 185	Health Concepts	2
GE 135	Introduction to Music Literature	2
ENGL 300	Traditional Grammar	3
PSY 212	General Psychology	3
SPPA 190	Introduction to Communication Disorders	3
		16

Second Semester

GE 202/204	World Literature II/Honors	3
GE	Social/Behavioral Science	3
ENGL 317	Advanced Composition	3
SPPA 200	Introduction to Phonetics	3
SPPA 255	Speech & Language Development	3
GE	Physical Ed. Activity	1
		16

Junior Year

First Semester

Course and number		Semester hrs
ENGL 301	English Literature I	3
SPPA 351	Anat. & Phys. of Speech Mech	3
SPPA 352	Artic. & Phonological Disorders	3
	Electives	6
		15

Second Semester

ENGL 302	English Literature II	3
ENGL 32	History of English Language	3
CSC 111	Computer Science	3
SPPA 330	Introduction to Audiology	3
	Elective	3
		15

Senior Year

First Semester

Course and number		Semester hrs
ENGL 305	American Literature I	3
ENGL 322	Advanced English Grammar	3
SPPA 450	Aural Rehabilitation	3
	Electives	6
		15

Second Semester

ENGL 306	American Literature II	3
ENGL 490	Career Planning Seminar	1
SPCH 314	Public Speaking	3
SPPA 491	Research Methods in Com. Sc	3
	Electives	6
Total Semester Hours Required for Degree		**124**

MAJOR: English

A. General Education Requirements		**46**
B. Major Requirements		**40**
CORE Courses		**34**
ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
ENGL 302	English Literature II	3
ENGL 305	American Literature I	3
ENGL 306	American Literature II	3
ENGL 317	Advanced Composition	3
ENGL 322	Advanced English Grammar	3
ENGL 327	History of the English Language	3
ENGL 425	Shakespeare	3
ENGL 430	The English Novel	3
ENGL 475	Literary Criticism	3
ENGL 490	Career Planning Seminar	1
RESTRICTED electives in English, Mass Communications, News Media and Speech courses		6
C. Related Courses		**6**
French or Spanish (Two consecutive courses for 6 sem hrs)		
D. Electives		**32**
Total Semester Hours Required for Degree		**124**

Majors are encouraged to select minors or electives that will broaden their understanding, knowledge, and skills, and round out their education. Majors interested in teaching English in the middle grades /secondary school may select a teaching minor in one or both programs.

Curriculum Guide for Majors in English

Freshman Year

First Semester

Course and number		Semester hrs
GE 102/104	Composition I/Honors	
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Nat. Science/Lab	4
	* French or Spanish	3
		17

Second Semester

GE 103/105	Composition II/Honors	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
GE	Physical Ed. Activity	1
GE	Nat. Science or Math	4
	*French or Spanish	3
		16

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201/203	World Literature 1/Honors	
GE 135	Introduction to Music Literature	2
GE 185	Health Concepts	2
ENGL 300	Traditional Grammar	3
	Free Electives/Minor(s)	6
		16

Second Semester

GE 202/204	World Literature II/Honors	3
GE	Soc./Behavioral Science	3
ENGL 317	Advanced Composition	3
CSC 111	Computer Science	3
	Electives	3
		15

Junior Year

First Semester

Course and number		Semester hrs
ENGL 301	English Literature I	3
ENGL 305	American Literature I	3
ENGL 322	Advanced English Grammar	3
	**Restricted Electives	3
	Electives	3
		15

Second Semester

ENGL 302	English Literature II	3
ENGL 306	American Literature II	3
ENGL 327	Hist. of English Lang	3
	**Restricted Electives	3
	Electives	3
		15

First Semester

Course and number		Semester hrs
ENGL 425	Shakespeare	3
ENGL 430	The English Novel	3
	Free Electives	9
		15

Second Semester

ENGL 475	Literary Criticism	3
ENGL 490	Career Planning Seminar	1
	Free Electives	11
		15

Total Semester Hours Required for Degree **124**

* Two consecutive courses (6 semester hours) in French or Spanish (or another accepted modern language)

MAJOR: Communication Studies

A. General Education Requirements		**46**
B. Major Requirements		**45**
ENGL 300	Traditional Grammar	3
ENGL 317	Advanced Composition	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 350	Broadcast Writing I	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 and Advertising	3
MCOM 400	Print and Broadcast Management	3
MCOM 450	Media Law & Ethics	3
C. Related Courses		**21**
SPCH 201	Voice and Diction	3
SPCH 314	Public Speaking	3
MCOM 498	Internship	3-6
MCOM 347	Mass Communication Theory & Research	3
MCOM 499	Seminar In Communication	3
	Two Consecutive Courses in Foreign Languages (Spanish/French)	6
D. **Restricted Electives		**12**
Suggested Electives		
ART 201	Graphic Design I	3
ART 340	Photography	3
SPPA 200	Introduction to Phonetics	3
SPCH 312	Oral Interpretation	3
MCOM 349	Broadcasting Writing II	3
JOUR 449	Photojournalism	3
MCOM 358	Advanced Public Relations and Advertising	3
Total Semester Hours Required for Degree		**124**

Curriculum Guide for Majors in Communication Studies

Freshman Year

First Semester

Course and number		Semester hrs
GE 102/104	Composition I/Honors	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Nat. Science/Lab	4
	Foreign Language	3
		17

Second Semester

GE 103/105	Composition II/Honors	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
GE	Physical Ed. Activity	1
GE	Nat. Science or Math	4
	Foreign Language	3
		16

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201/203	World Literature I/Honors	
GE 185	Health Concepts	2
GE	Social/Behavior Science	3
ENGL 300	Traditional Grammar	3
SPCH 314	Public Speaking	3
GE	Physical Ed. Activity	1
		15

Second Semester

GE 202/204	World Literature II/Honors	3
GE	Social/Behavioral Science	3
ENGL 317	Advanced Composition	3
MCOM 250	Introduction To Broadcast Comm	3
SPCH 201	Voice & Diction	3
		15

Junior Year

First Semester

Course and number		Semester hrs
JOUR 349	Introduction To Mass Media	3
JOUR 351	Journalism I	3
MCOM 355	Television Production	
MCOM 347	Mass Corn. Theo. & Resrch	
	Elective	4
		16

Second Semester

JOUR 352	Journalism II	3
MCOM 353	Radio Production	3
MCOM 356	Advanced Television Production	3
MCOM 357	Introduction To Public Relations & Adv	3
CSC 111	Computer Science	3
		15

Senior Year

First Semester

Course and number		Semester hrs
MCOM 400	Print & Broadcast Mgt	3
JOUR 451	Broadcast Journalism	3
MCOM 450	Media Law & Ethics	3
MCOM 354	Advanced Radio Production	3
	Elective	3
		15

Second Semester

MCOM 498	Internship	3-6
MCOM 499	Seminar In Communications	3
	Electives	9
Total Semester Hours Required for Degree		**124**

MINOR: Communication Studies

JOUR 349	Mass Media	3
JOUR 351	Journalism	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 & Ethics	3
Total Hours Required for Minor		**21**

MINOR: English

ENGL 301/302	English Literature I/II	3,3
OR		
ENGL 305/306	American Literature I/II	3,3
ENGL 317	Advanced Composition	3
OR		
ENGL 401	Technical Writing	3
ENGL 300	Traditional Grammar	3
OR		
ENGL 322	Advanced English Grammar	3
Total Hours Required for Minor		**18**

Six semester hours selected from 300 and 400 level courses in additional English, creative writing, mass communications, speech pathology, or news media courses.

MINOR: Speech Pathology

SPPA 190	Introduction to Communication Disorders	3
SPPA 200	Introduction to Phonetics	3
SPPA 255	Speech and Language Development	3
SPPA 315	Anatomy & Physiology of Speech Mechanism	3
SPPA 330	Introduction to Audiology	3
SPPA 352	Articulation & Phonological Disorders	3
SPPA 450	Aural Rehabilitation	3
Total Hours Required for Minor		**21**

MINOR: Foreign Languages

A. French/Spanish

A combination of 12 sequential semester hours in

FREN 201/202	Intermediate French	3,3
FREN 301/303	Survey of French Literature	3,3
AND		
A combination of 6 sequential semester hours in		
SPAN 101/102	Elementary Spanish	3,3
OR		
SPAN 201/202	Intermediate Spanish	3,3
OR		
SPAN 301/302	Survey of Spanish Literature	3,3
Total Hours Required for Minor		**18**

B. Spanish/French

A combination of 12 sequential semester hours in

SPAN 201/202	Intermediate Spanish	3,3
SPAN 301/302	Survey of Spanish Literature	3,3
AND		
A combination of 6 sequential semester hours in		
FREN 101/102	Elementary French	3,3
OR		
FREN 201/202	Intermediate French	3,3
OR		
FREN 301/302	Survey of French Literature	3,3
Total Hours Required for Minor		**18**

C. Spanish

Eighteen sequential semester hours in

SPAN 101/102	Elementary Spanish	3,3
SPAN 201/202	Intermediate Spanish	3,3
SPAN 301/302	Survey of Spanish Literature	3,3

D. French

Sequential semester hours in

FREN 101/102	Elementary French	3,3
FREN 201/202	Intermediate French	3,3
FREN 301/302	Survey of French Literature	3,3
Total Semester Hours Required for Minor		**18**

Department of Music

The Department of Music at ECSU advocates a level of quality that allows students to achieve their musical potential. In compliance with the overall mission of ECSU, the music department creates a positive and structured learning environment that promotes challenges and serves the students' needs. Our professionalism, coupled with knowledge and nurturing, creates an aesthetic and practical environment for education. Our mission is to prepare students who are capable of serving the world through the art of music.

Mission Statement

The Department of Music provides students with opportunities that lead to a Bachelor of Arts degree in Music with concentrations in: Music Education Licensure, Composition, Performance, Music Business and Sound Recording Technology. The Department of Music 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 Department adhere to the following objectives to support the mission and goals of the institution:

1. To increase performance opportunities to enhance performing skills.
2. To support the University's Liberal Arts program by developing music courses to enhance musicianship.
3. To track music graduates regarding employment or enrollment in graduate schools.

Student Learning Outcomes

- Students will be able to demonstrate proficiency for (1) selected instrument of study (2) piano keyboard skills (3) conducting activities and (4) ensemble performances.
- Students will be able to acquire comprehensive knowledge of music theory and demonstrate essential aural skills.
- Students will be able to acquire comprehensive knowledge of music history representing various eras and styles.
- Students will be able to demonstrate a synthesis of music knowledge by engaging in a capstone project.
- Students will be able to use music technology to enhance learning.
- Students will be able to use critical and creative skills in evaluating performances and correcting musical problems.

MUSIC DEGREE PROGRAMS

B.A. in Music with a concentration in Composition or Performance:

The program provides a broad liberal arts education for students who have an interest in either performance or Composition. This program provides students with experiences that lead to graduate study, a professional career in the arts as performers, private instructors, and/or other arts related areas.

B.A. in Music (Music Education Licensure):

The program offers licensure preparation in music for grades K-12. It provides a foundation for students to become music teachers. This program also prepares education licensure students for graduate work.

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. Students may select a concentration in Music Business or Sound Engineering Technology.

ADMISSION REQUIREMENTS

All students seeking to major or minor in Music must first gain admission to Elizabeth City State University 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 the prospective student. 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 rudimental 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 maintain a 2.0 G.P.A in music classes by the end of the Sophomore year to stay in the music 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, pertinent to his/her 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. No additional charges for applied instruction are required. Students enrolled are required to purchase music and other accessories as needed for their instruction.

All students regardless of degree programs may take classes authorized by the music department. Non-music students, with guidance from their advisor, may take the following courses:

MUS 110 Piano Class for Beginners I
MUS 116 Introduction to Music Industry Studies
MUS 118 Basic Music Theory Rudiments
MUS 215 Introduction to the Recording Studio
MUS 219 History of the American Popular Music
MUS 227 Fundamentals of Music
MUS 307 A Study of Non-Western Music
EDUC 202 Music and Art in the Classroom

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 any of the degree programs are required to participate in a large ensemble for six semesters. For all ensembles, instructors 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. Two semesters of Marching Band satisfy the two General Education Physical Activity requirements.

- Instrumental music students regardless of degree; must participate in three (3) semesters of Marching Band and three (3) semesters of Symphonic Wind Ensemble.
- Voice students must participate in the University Choir.
- Piano students who are not in the Music Education Licensure program may register for Marching Band or Collegians Jazz Ensemble.
- String students must register for the orchestra. In addition to large ensemble requirements, instrumental music majors in the licensure program must also register for a small instrumental ensemble course.

Ensemble and applied music courses may be repeated for credit. Large ensembles include the University Choir, Marching Band, 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. Guitar majors may enroll in the Collegians Jazz Ensemble to complete the large ensemble requirement.

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 suggested performance repertoire for each instrument and performance level.

PERFORMANCE REQUIREMENTS

Students with a concenttration in Performance are required to perform a Junior Recital (Junior status = 60 credit hours) of 30 minutes of music, and a Senior Recital (Senior status = 90 credit hours) of approximately 40-50 minutes of music. Students majoring in Music with Education Licensure are required to perform only a Senior Recital. The department 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 of study on a general music department student recital. Students must also perform at the end of the semester for jury. The applied teacher will determine if additional performances are required during a given semester.

SENIOR PROJECTS

Students concentrating in Music Business and Sound Recording are required to complete a Senior Project. The project is assessed by a committee/panel 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.

RECITAL ATTENDANCE

All Music students must pass six semesters of recital attendance with a grade of "P". The Department Chair will evaluate recital attendance credit for transfer students.

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 University Catalog. Students will work with the music education instructor/coordinator and with the 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. For a long distance internship, the instructor, with approval from the Chair and other administrators, may adjust the student's course schedule to accommodate the internship.

STUDENT TEACHING

Music Education Licensure students must work with the University Music Supervisor and the Teacher Education program for assignments. Students must complete teaching assignments at two grade levels: elementary, middle, or high school.

SCHOLARSHIPS

For information regarding scholarships, please contact the Department Chairperson, Director of Bands, the Director of Choral Activities, or the Music Education Coordinator.

NATIONAL ACCREDITATION

The Music Department is accredited by the National Association of Schools of Music (NASM).

(Music student must earn a grade of "C" or better in all required music courses.)

The Department of Music may revise its curricula if deemed necessary by accreditation requirements or University mandates.

MAJOR: B.A. in Music (Music Education Licensure)

A. Required General Studies Courses		**46**
B. Major Requirements		**56**
Core Courses		**42-44**
MUS 101	Recital Attendance (6 semesters)	P/F
MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I	2
MUS 109	Music Theory II	2
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1
MUS 208	Music Theory III	2
MUS 209	Music Theory IV	2
MUS 120	Introduction to Music Education	1
MUS	Ensembles	5-7
[1]MUS	Piano Classes	2
MUS 305	Music History I	3
MUS 306	Music History II	3
MUS 307	A Study of Non-Western Music	1
MUSA	Principal Instrument	14
MUS 400	Senior Recital/Project	1
Related Required Courses		**11-13**
Vocal Emphasis		
MUS 126	Voice Diction	1
[2]MUS	Instrumental Class	1
MUS 309	Form and Analysis	3
MUS 312	Orchestration	2
MUS 338	Conducting	1
MUS	Piano Class	2
MUS 447	Choral Techniques and Conducting	1
Piano Emphasis		
[2]MUS 231	Instrumental Class	1
MUS 309	Form and Analysis	3
MUS 312	Orchestration	2
MUS 338	Conducting	1
MUSA	Applied Voice	2
MUS	Piano Accompanying/Literature/Pedagogy	1
MUS 447	Choral Techniques and Conducting	1
MUS	Music Elective	1
Instrumental Emphasis		
MUS 123	Voice Class	1
MUS 231	String Class	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 446	Instrumental Techniques and Conducting	1
MUS 347	Percussion Class	1
MUS	Small Ensemble	1
C. Education Requirements		**27**
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 310	PS II Divers Learners in the School & Communication	3
EDUC 360	PS III: Teaching & Assessment	3
EDUC 400	Senior Seminar for Education Majors	P/F
EDUC 428	PS IV: Music Methods in the Elementary School	3
EDUC 429	PS IV: Music Methods in the Secondary School	3
EDUC 443	Internship to Clinical Practice in Music	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
Total Semester Hours Required for Degree		**128**

[1] *Piano majors must select four hours of vocal study.*

[2] *Vocal and Piano emphasis students must select one of the instrumental classes.*

B.A. in Music (Music Education Licensure) Voice/Piano

Freshman Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance (6 semesters)	P/F
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 155	Principles of Bio Science	3
MUSA	Applied Instrument	2
[1]MUS 110	Piano Class I	1
MUS	Large Ensemble	1
MUS 103	Aural Skills I	1
MUS 108	Music Theory I	2
		17

Second Semester

MUS 101	Recital Attendance	P/F
GE 103	English Composition and Vocabulary	3
EDUC 203	Instr. Computer Tech	3
GE	PE Activity	1
MUS 212	The African American in Music	2
[4]GE 130	Art Appreciation	2
MUSA	Applied Instrument	2
[1]MUS 111	Piano Class II	1
MUS	Large Ensemble	1
MUS 104	Aural Skills II	1
MUS 109	Music Theory II	2
		18

Sophomore Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 140	World Civilization I	3
GE 201	World Literature I	3

MUS 120	Introduction to Music Ed.	1
MUSA	Applied Instrument	2
[1]MUS 112	Piano Class III (elective)	1
MUS	Large Ensemble	1
MUS 203	Aural Skills III	1
MUS 208	Music Theory III	2
[2]MUS 126	Voice Diction	1
GE	Physical Ed. Activity	1
		16

Second Semester

MUS 101	Recital Attendance	P/F
PSY 212	General Psychology	3
GE	Literature and Languages	3
EDUC 210	Introduction to Education	3
MUSA	Applied Instrument	2
[1]MUS 113	Piano Class IV (elective)	1
MUS	Large Ensemble	1
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV	2
GE 185	Health Concepts	2
		18

Junior Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 152	Principles of Physical Science/Lab	4
MUS 305	Music History I	3
MUS 307	A Survey Non-Western Music	1
MUSA	Applied Instrument	2
MUS	Large Ensemble	1
GE 141	World Civilization II	3
GLBS 200	Global Studies	3
MUS	Instruments 231,345,346,347	1
		18

Second Semester

MUS 101	Recital Attendance	P/F
MUS	Large Ensemble	1
MUS 306	Music History II	3
MUS 308	Form and Analysis	3
MUSA	Applied Instrument	2
EDUC 428	PS IV Methods in Elem. Sch.	3
MUS 338	Conducting	1
MUS 312	Orchestration	2
EDUC 310	PS II Sped/Div. Lm	3
		18

Senior Year

First Semester

Course and number		Semester hrs
MUSA	Applied Instrument	2
[3]MUS 447	Choral or Instru. Technique	1
EDUC 429	PS IV Music Methods (Sec)	3
MUS 310	Small Ensemble	1
MUS 400	Senior Recital	1
MUS	Large Ensemble	1
EDUC 360	PS III Teaching & Assessment	3
		12

Second Semester

EDUC 478	Seminar in Cont. Ed. Issues & Lead.	P/F
EDUC 443	Internship to Clinical Practice	12
EDUC 400	Senior Seminar	P/F
		12

Total Semester Hours Required for Degree **128**

[2]*Piano majors must select applied voice.*

[2]*Instrumental majors must take Voice Class. Piano majors must take Piano Accompanying.*

[3]*Instrumental majors must take MUS 446.*

[4]*Students may take other General Education courses listed in the General Studies section of the catalog.*

[5]*Instrumental majors must register for a small ensemble.*

B.A. in Music (Music Education Licensure) Instrumental

Freshman Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance (6 semesters)	P/F
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 155	Principles of Bio Science	3
MUSA	Applied Instrument	2
[1]MUS 110	Piano Class I	1
MUS	Large Ensemble	1
MUS 103	Aural Skills I	1
MUS 108	Music Theory I	2
		17

Second Semester

MUS 101	Recital Attendance	P/F
GE 103	English Composition and Vocabulary	3
EDUC 203	Instr. Computer Tech	3
MUS 212	The African American in Music	2
[4]GE 130	Art Appreciation	2
MUSA	Applied Instrument	2
[1]MUS 111	Piano Class II	1
MUS	Large Ensemble	1
MUS 104	Aural Skills II	1
MUS 109	Music Theory II	2
		17

Sophomore Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 140	World Civilization I	3
GE 201	World Literature I	3
MUS 120	Introduction to Music Ed.	1
MUSA	Applied Instrument	2
MUS	PE Activity/Large Ensemble	1
MUS 203	Aural Skills III	1
MUS 208	Music Theory III	2
MUS 231	String Class	1
MUS 347	Percussions Class	1
GE 185	Health Concepts	2
		17

Second Semester

MUS 101	Recital Attendance	P/F
PSY 212	General Psychology	3
GE	Literature and Languages	3
MUS 348	Woodwind Class	1
EDUC 201	Prof. Studies I	3
MUSA	Applied Instrument	2
MUS 345	Brass Class	1
MUS	Large Ensemble	1
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV	2
MUS 123	Voice Class	1
		18

Junior Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 152	Principle of Phy Science/Lab	4
MUS 305	Music History I	3
MUS 307	A Survey Non-Western Music	1
MUSA	Applied Instrument	2
MUS	Large Ensemble	1
GE 141	World Civilization II	3
GLBS 200	Global Studies	3
		17

Second Semester

MUS 101	Recital Attendance	P/F
EDUC 310	Prof. Studies Diverse Learning	3
MUS 306	Music History II	3
MUS	Ensemble	1
MUSA	Applied Instrument	2
EDUC 428	PS IV Methods in Elem. Sch.	3
MUS 338	Conducting	1
MUS 312	Orchestration	2
MUS 309	Forms and Analysis	3
		18

Senior Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
MUSA	Applied Instrument	2
[3]MUS 447	Choral or Instru. Technique	1
EDUC 429	PS IV Music Methods (Sec)	3
MUS	Small Ensemble	1
MUS 400	Senior Recital	1
MUS	Large Ensemble	1
EDUC	PS III Teaching & Assessment	3
		12

Second Semester

EDUC 478	Seminar in Cont. Ed. Issues & Lead.	P/F
EDUC 443	Internship to Clinical Practice	12
EDUC 400	Senior Seminar	P/F
		12

Total Semester Hours Required for Degree **128**

[1] *Piano majors must select applied voice.*

[2] *Instrumental majors must take Voice Class. Piano majors must take Piano Accompanying.*

[3] *Instrumental majors must take MUS 446.*

[4] *Students may take other General Education courses listed in the General Studies section of the catalog.*

[5] *Instrumental majors must register for a small ensemble.*

Academic Concentration in Music

MUS 101	Recital Attendance (2 semesters)	P/F
MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I	2
MUS 109	Music Theory II	2
MUS 203	Aural Skills III	1
MUS 208	Music Theory III	2
MUS 305	Music History I	3
[1]MUS 306	Music History II	3
MUS 338	Conducting	1
MUS	Ensemble	2
MUSA	Applied Instrument	4
[2]MUS	Electives	2
Total Hours Required for Academic Concentration		**24**

Minor in Music

MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I	2
MUS 109	Music Theory II	2
[1]MUS 306	Music History II	3
MUS 338	Conducting	1
MUSA	Applied Instrument	4
MUS	Ensembles	2
[2]MUS	Music Electives	5
Total Hours Required for Minor		**21**

*Licensure Only

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	2
MUS 109	Music Theory II	2
[1]MUS	Piano Classes	2-4
MUS 123	Voice Class	1
MUS 126	Voice Diction	1
MUS 212	The African-American in Music	2
MUS 208	Music Theory III	2
MUS 209	Music Theory IV	2
MUS 231	String Class	1
MUS	Ensembles	6
MUS 305	Music History I	3
MUS 306	Music History II	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	Principal Instrument	14
MUS 447	Choral Techniques and Conducting	1
[2]MUS	Piano Course	1
Education Requirements		**27**
EDUC 210	Prof. Stud.I: Introduction to Education	3
EDUC 310	PS II: Diverse Learners in the School and Community	3
EDUC 360	PS III: Teaching & Assessment	3
EDUC 428	PS IV: Music Methods in the Elementary School	3
EDUC 429	PS IV: Music Methods in the Secondary School	3
SPED 346	Introduction to Special Education	3
EDUC 400	Senior Seminar for Education Majors	P/F
[3]EDUC 443	Internship to Clinical Practice	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F

[1] *Applied Piano may substitute for Class Piano. Students may select these courses based on curriculum needs.*

[2] *Piano Pedagogy, Piano Accompanying or Piano Literature may be selected.*

[3] *Lateral Entry students should see advisor regarding exemption.*

The Department of Music may revise the music education licensure curriculum if deemed necessary by accreditation requirements and/or the School of Education and Psychology. If students already possess a music degree, they may be exempt from some of the music classes.

MAJOR: B.A. in Music

A. Required General Studies Courses		**46**
Music majors should register for CSC 111.		
B. Major Requirements		**47**
Core Courses		32
MUS 101	Recital Attendance	P/F
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	2
MUS 109	Music Theory II	2
MUS 208	Music Theory III	2
MUS 209	Music Theory IV	2
MUS	Ensembles	6
[1]MUS	Piano Classes	2
MUS 305	Music History I	2
MUS 306	Music History II	2
MUS 307	A Study of Non-Western Music	1
MUSA	Applied Instrument	5
Related Courses: Choose one concentration from below		15
Performance		
MUSA	Applied Instrument	9
MUS 301	Junior Recital	1
MUS 400	Senior Recital/Project	1
MUS	Small Ensembles or Accompanying	4
Composition		
MUS 308	Tonal Counterpoint	3
MUS 309	Form and Analysis	3
MUS 312	Orchestration	2
MUS 400	Senior Recital/Project	1
MUS 410	Music Composition I	2
MUS 411	Music Composition II	3
MUS 412	Music Composition III	3
C. Music Electives		**6**
D. Non Music Electives or Minor		**25**
Total Semester Hours Required for Degree		**124**

[1] *Piano majors may select 4 hours of vocal or instrumental study*

Freshman Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
MUSA	Applied Instrument	2
[1]MUS 110	Piano Class I	1
MUS	Large Ensemble	1
MUS 103	Aural Skills I	1
MUS 108	Music Theory I	2
MUS	Small Ensemble	1
		15

Second Semester

MUS 101	Recital Attendance	P/F
GE 103	English Composition and Vocabulary	3
CSC 111	Introduction to Composition	3
GE	Social Science	3
MUSA	Applied Instrument	2
[1]MUS 111	Piano Class II	1
MUS	Large Ensemble	1
MUS 104	Aural Skills II	1
MUS 109	Music Theory II	2
MUS	Small Ensemble	1
MUS	Music Elective	1
		18

Sophomore Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 140	World Civilization I	3
GE 201	World Literature I	3
GE 130	Art Appreciation	2
MUSA	Applied Instrument	2
MUS	Music Elective	1
MUS	Large Ensemble	1
MUS 203	Aural Skills III	1
MUS 208	Music Theory III	2
		15

Second Semester

MUS 101	Recital Attendance	P/F
GE 141	World Civilization II	3
[2]GE 202	World Literature II	3
GE	Math or Science	3
MUSA	Applied Instrument	2
MUS	Music Elective	1
MUS	Large Ensemble	1
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV	2
MUS	Small Ensemble	1
		17

Junior Year

First Semester

Course and number		Semester hrs

Second Semester

MUS 101	Recital Attendance	P/F
GE 130	Nat. Science/Lab	4
MUS 305	Music History I	3
MUS 307	A Study of Non-Western Music	1
MUSA	Applied Instrument	2
MUS	Large Ensemble	1
GE 185	Health Concepts	2
GE	Physical Ed. Activity	1
MUS	Small Ensemble	1
		15

Second Semester

MUS 101	Recital Attendance	P/F
GE	Social Science	3
MUS 306	Music History II	3
	Non Music Electives	4
MUSA	Applied Instrument	2
MUS	Large Ensemble	1
MUS 212	The African-American in Music	2
GE	Physical Ed. Activity	1
MUS 301	Junior Recital	1
		17

Senior Year

First Semester

Course and number		Semester hrs
MUSA	Applied Instrument	1
MUS	Music Elective	2
	Non Music Electives	12
		15

Second Semester

MUSA	Applied Instrument	1
MUS 400	Senior Recital	1
MUS	Music Elective	1
	Non Music Electives	9
		12

Total Semester Hours Required for Degree **124**

[1] *Piano majors must select applied voice.*

B.A. in Music with Concentration in Performance

Freshman Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
MUSA	Applied Instrument	2
[1]MUS 110	Piano Class I	1
MUS	Large Ensemble	1
MUS 103	Aural Skills I	1
MUS 108	Music Theory I	2
MUS	Chamber Ensemble	1
		15

Second Semester

MUS 101	Recital Attendance	P/F
GE 103	English Composition and Vocabulary	3
GE	Social Science	3
CSC 111	Introduction to Computing	3
MUS	Small Ensemble	1
MUSA	Applied Instrument	2
[1]MUS 111	Piano Class II	1
MUS	Large Ensemble	1
MUS 104	Aural Skills II	1
MUS 109	Music Theory II	2
		17

Sophomore Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 140	World Civilization I	3
GE 201	World Literature I	3
[1]GE 130	Art Appreciation	2
MUSA	Applied Instrument	2
MUS	Large Ensemble	1
MUS	Music Elective	1
MUS 203	Aural Skills III	1
MUS 208	Music Theory III	2
		15

Second Semester

MUS 101	Recital Attendance	P/F
GE 141	World Civilization II	3
[2]GE 202	World Literature II	3
GE	Math or Science	3
MUSA	Applied Instrument	2
MUS	Large Ensemble	1
MUS	Music Elective	1
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV	2
MUS	Small Ensemble	1
		17

Junior Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE	Nat. Science/Lab	4
MUS 305	Music History I	3
MUS 307	A Study of Non-Western Music	1
MUSA	Applied Instrument	1
MUS	Large Ensemble	1
GE	PE Activity	1
GE 185	Health Concepts	2
MUS	Small Ensemble	1
		14

Second Semester

MUS 101	Recital Attendance	P/F
GE	Social Science	3
MUS 306	Music History	3
	Non Music Elective	4
MUSA	Applied Instrument	2
MUS	Large Ensemble	1
MUS 212	The African American in Music	2
GE	PE Activity	1
MUS	Small Ensemble	1
		17

Senior Year

First Semester

Course and number		Semester hrs
	Business Course	3
MUS	Music Elective	2
MUS 431	Music Industry Seminar	3
MUSA	Applied Instrument	1
	Non Music Electives	3
		12

Second Semester

MUS 400	Senior Recital/Project	1
MUSA	Applied instrument	1
MUS	Music Elective	1
	Non Music Electives	9
		12

Total Semester Hours Required for Degree **124**

[1]*Piano majors must select applied voice.*

[2]*Students may opt to take other General Education courses in the General Studies section of the catalog.*

[3]*Students who do not complete an internship will take three hours of Music electives.*

B.A. in Music, Concentration in Composition

Freshman Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE	Physical Ed. Activity	1
MUSA	Applied Instrument	1
[1]MUS 110	Piano Class I	1
MUS	Large Ensemble	1
MUS 103	Aural Skills I	1
MUS 108	Music Theory I	2
GE 185	Health Concepts	2
		16

Second Semester

MUS 101	Recital Attendance	P/F
GE 103	English Composition and Vocabulary	3
GE	Social Science	3
GE	Physical Ed. Activity	1
MUSA	Applied Instrument	1
[1]MUS 111	Piano Class II	1
MUS	Large Ensemble	1
MUS 104	Aural Skills II	1
MUS 109	Music Theory II	2
	Non Music Electives	3
		16

Sophomore Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 140	World Civilization I	3
GE 201	World Literature I	3
GE	Social Science	3
MUSA	Applied Instrument	1
MUS	Large Ensemble	1
MUS 203	Aural Skills III	1
MUS 208	Music Theory III	2
[2]GE 130	Art Appreciation	2
		16

Second Semester

MUS 101	Recital Attendance	P/F
GE 141	World Civilization II	3
[2]GE 202	World Literature II	3
MUS 209	Music Theory IV	2
GE	Math or Science	3
MUSA	Applied Instrument	1
MUS	Music Elective	1
MUS	Large Ensemble	1
MUS 204	Aural Skills IV	1
		15

Junior Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 130	Nat. Science/Lab	4
MUS 305	Music History I	3
MUS 307	A Study of Non-Western Music	1
MUSA	Applied Instrument	1
MUS	Large Ensemble	1
MUS	Music Elective	1
MUS 308	Tonal Counterpoint	3
	Non Music Electives	3
		17

Second Semester

MUS 101	Recital Attendance	P/F
MUS	Music Elective	1
MUS 306	Music History II	3
	Non Music Elective	1
MUS 312	Orchestration	2
MUS	Large Ensemble	1
MUS 212	The African-American in Music	2
MUS 309	Form and Analysis	3
MUS 410	Music Composition I	2
		15

Senior Year

First Semester

Course and number		Semester hrs
MUS 411	Music Composition II	2
MUS	Music Elective	1
	Non Music Electives	9
CSC 111	Introduction to Computers	3
		15

Second Semester

MUS 412	Music Composition III	2
MUS 400	Senior Recital/Project	1
MUS	Music Elective(s)	2
	Non Music Electives	9
		14

Total Semester Hours Required for Degree **124**

[1] Piano majors must select applied voice.

[2] *Students may opt to take other General Education courses listed in the General Studies section of the catalog.*

MAJOR: B.A. in Music with Concentration in Music Business

A. General Studies Courses		**46**
B. Major Requirements		**80**
Core Courses		32
MUS 101	Recital Attendance	P/F
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	2
MUS 109	Music Theory II	2
MUS 208	Music Theory III	2
MUS 209	Music Theory IV	2
MUS	Ensembles	6
[1]MUS	Piano Classes	2
MUS 305	Music History I	3
MUS 306	Music History II	3
MUS 307	A Study of Non-Western Music	1
MUSA	Applied Instrument	5
Music Business Concentration		18
MUS 116	Introduction to Music Industry	3
MUS 202	Music Business Media Communications	3
MUS 319	Music Merchandising & Marketing	3
MUS 321	Music Multi-Media Applications	2
MUS 400	Senior Recital/Project	1
MUS 431	Music Industry Seminar	3
[2]MUS 417	Music Industry Internship	3
C. Related Course Requirements (Choose 6 hrs. from below)		**6**
BUAD 115	Principles of Business (prerequisite)	3
MRKT 231	Principles of Marketing	3
BUAD 241	Business Law I	3
MNGT 221	Principles of Management	3
D. Music Electives		**5**
E. Non Music Electives or Minor		**18**
Total Semester Hours Required for Degree		**125**

[1] *Piano majors must select four hours of vocal study.*

[2] *Students who do not complete an internship will take three hours of Music electives.*

B.A. in Music with Concentration in Music Business

Freshman Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE	Physical Ed. Activity	1
MUSA	Applied Instrument	1
[1]MUS 110	Piano Class I	1
MUS	Large Ensemble	1
MUS 103	Aural Skills I	1
MUS 108	Music Theory I	2
MUS	Music Elective	1
		15

Second Semester

MUS 101	Recital Attendance	P/F
GE 103	English Composition and Vocabulary	3

GE	Social Science	3
	Non Music Electives	3
GE	Physical Ed. Activity	1
MUSA	Applied Instrument	1
[1]MUS 111	Piano Class II	1
MUS	Large Ensemble	1
MUS 104	Aural Skills II	1
MUS 109	Music Theory II	2
		16

Sophomore Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 140	World Civilization I	3
GE 201	World Literature I	3
[1]GE 130	Art Appreciation	2
MUSA	Applied Instrument	1
MUS	Large Ensemble	1
MUS	Music Elective	1
MUS 203	Aural Skills III	1
MUS 208	Music Theory III	2
MUS 116	Introduction to Music Industry	3
		17

Second Semester

MUS 101	Recital Attendance	P/F
GE 141	World Civilization II	3
[2]GE 202	World Literature II	3
GE	Math or Science	3
MUSA	Applied Instrument	1
MUS	Large Ensemble	1
MUS	Music Elective	1
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV	2
MUS 202	Arts Management	3
		18

Junior Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE	Nat. Science/Lab	4
MUS 305	Music History I	3
MUS 307	A Study of Non-Western Music	1
MUSA	Applied Instrument	1
MUS	Large Ensemble	1
GE	Social Science	3
GE 185	Health Concepts	2
MUS 319	Mus. Merchant. & Marketing	3
		18

Second Semester

MUS 101	Recital Attendance	P/F
	Music Elective	2
MUS 306	Music History II	3
	Non Music Elective	1
MUS 321	Music Multi-Media Appl	2
MUS	Large Ensemble	1
MUS 212	The African-American in Music	2
BUAD 115	Principles of Business	3
CSC 111	Introduction to Computers	3
		17

Senior Year

First Semester

Course and number		Semester hrs
MUS	Music Elective	2
MUS 431	Music Industry Seminar	3
	Business Course	3
	Non Music Electives	4
		12

Second Semester

MUS 400	Senior Recital/Project	1
[3]MUS 417	Music Industry Internship	3
MUS	Music Elective	2
	Non Music Electives	6
		12

Total Semester Hours Required for Degree **125**

[1]*Piano majors must select applied voice.*

[2]*Students may opt to take other General Education courses in the General Studies section of the catalog.*

[3]*Students who do not complete an internship will take three hours of Music electives.*

MAJOR: B.A. in Music with Concentration in Sound Recording Technology

A. General Studies Courses		**46**
B. Major Requirements		**53**
Core Courses		32
MUS 101	Recital Attendance	P/F
MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I	2
MUS 109	Music Theory II	2
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1
MUS 208	Music Theory III	2
MUS 209	Music Theory IV	2
MUS	Ensembles	6
MUS	Piano Classes	2
MUS 305	Music History I	3
MUS 306	Music History II	3
MUS 307	A Study of Non-Western Music	1
MUSA	Applied Instrument	5
Sound Recording Technology Concentration		21
MUS 116	Introduction to the Music Industry I	3
MUS 215	Introduction to the Recording Studio and Live Sound	2
MUS 225	Music Technology	2
MUS 321	Music Multi-Media Applications	2
MUS 354	Audio Engineering /I	2
MUS 355	Audio Engineering /II	2
MUS 400	Senior Recital/Project	1
MUS 417	Music Industry Internship	3
MUS 454	Studio Production Seminar I	2
MUS 460	Digital Audio Technology	2
C. Music Electives		**3**
D. Non Music Electives or Minor		**23**
Total Hours Required for Degree		**125**

[1]*Piano majors must select four hours of vocal study.*

[2]*Students who do not complete an internship will take three hours of Music electives.*

B.A. in Music with Concentration in Sound Recording Technology

Freshman Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE	Physical Ed. Activity	1

MUSA	Applied Instrument	1
MUS 110	Piano Class I	1
MUS	Large Ensemble	1
MUS 103	Aural Skills I	1
MUS 108	Music Theory I	2
MUS	Music Electives	2
		16

Second Semester

MUS 101	Recital Attendance	P/F
GE 103	English Composition and Vocabulary	3
GE 185	Health Concepts	2
GE	Social Science	3
GE	Physical Ed. Activity	1
MUSA	Applied Instrument	1
[1]MUS 111	Piano Class II	1
MUS	Large Ensemble	1
MUS 104	Aural Skills II	1
MUS 109	Music Theory II	2
CSC 111	Introduction to Computers	3
		18

Sophomore Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE 140	World Civilization I	3
GE 201	World Literature I	3
[2]GE 130	Art Appreciation	2
MUSA	Applied Instrument	1
MUS	Large Ensemble	1
MUS 203	Aural Skills III	1
MUS 208	Music Theory III	2
MUS 116	Introduction to Music Industry	3
		16

Second Semester

MUS 101	Recital Attendance	P/F
GE 141	World Civilization II	3
[2]GE 202	World Literature II	3
GE	Science/Lab	4
MUSA	Applied Instrument	1
MUS	Large Ensemble	1
MUS 204	Aural Skills IV	1
MUS 209	Music Theory IV	2
MUS 215	Introduction to Rec Studio w/Live Sound.	2
		17

Junior Year

First Semester

Course and number		Semester hrs
MUS 101	Recital Attendance	P/F
GE	Science	3
MUS 305	Music History I	3
MUS 307	A Study of Non-Western Music	1
MUSA	Applied Instrument	1
MUS	Large Ensemble	1
GE	Social Science	3
MUS 225	Music Technology	2
	Non Music Electives	2
		16

Second Semester

MUS 101	Recital Attendance	P/F
	Non Music Electives	6
MUS 306	Music History II	3
MUS 321	Music Multi-Media Appl	2
MUS 354	Audio Engineering I	2
MUS	Large Ensemble	1
MUS 212	The African-American in Music	2
		16

Senior Year

First Semester

Course and number		Semester hrs
MUS 355	Audio Engineering II	2
MUS	Music Electives	1
MUS 460	Digital Audio Technology	2
	Non Music Electives	8
		13

Second Semester

	Non Music Electives	7
MUS 417	Music Industry Internship	3
MUS 454	Studio Production Seminar I	2
MUS 400	Senior Recital/Project	1
		13

Total Semester Hours Required for Degree **125**

[1]Piano majors must select Applied Voice.

[2]Students may opt to take other General Education courses listed in the General Studies section of the catalog.

[3]Students who do not complete an internship will take three hours of Music electives.

Department of Social Sciences

The Department of Social Sciences offers degrees in Criminal Justice, Sociology and Social Work. Through its offerings, the Department familiarizes students with social institutions that impact human behaviors. The goals and major outcomes of the Department of Social Sciences are:

- To provide experiences that will enable students to understand those social factors which shape our global society.
- To prepare students for professional practices in Criminal Justice, Sociology and Social Work.
- To prepare students to apply critical thinking skills within the context of professional practice.
- To prepare students for graduate and professional schools.
- To provide students with knowledge of social institutions in order to implement social change.

The Department of Social Sciences provides non-teaching degree programs for majors in Criminal Justice, Sociology and Social Work. The Criminal Justice Degree Program confers the Bachelor of Science (B.S.) degree. The Social Work Program received its accreditation status in June 2007 from the Council on Social Work Education. This program confers the Bachelor of Social Work degree (BSW). The Sociology Program confers the Bachelor of Arts (B.A.) degree. These three programs are designed to prepare students for professional and graduate studies.

The Department of Social Sciences offers Minors in Corrections, Criminal Justice, Juvenile Justice, Pre-Law, Public Administration and Sociology. A total of 18–24 semester hours are required for a minor in these areas. In addition, students are required to take General Education and Liberal Arts courses in their specific curriculum of study.

Criminal Justice and Sociology majors are required to earn a minimum grade point average of 2.0 in the major, minor and related courses. Social Work majors are required to earn a minimum grade point average of 2.5 in the major, minor and related courses. In addition to course work, students that major in criminal justice and social work are required to complete an internship agency placement. The purpose of the internship program is to provide students an opportunity to integrate classroom knowledge and skills with practical field education experience.

Criminal Justice Degree Program

This program seeks to provide undergraduate instruction in criminal justice to both new students and personnel currently in this field. Criminal Justice practitioners who have graduated from a two-year accredited community college or technical institute with an Associate Degree in Criminal Justice, and who satisfy the General Education requirements at Elizabeth City State University, may be admitted to this program with junior status. Each student entering the Department, and declaring criminal justice as his/her major, is expected to adhere to a Criminal Justice Code of Ethics. The Code is designed to make each student aware of his/her moral and legal obligations to the field of criminal justice.

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 Sciences, the School of Arts and Humanities and Elizabeth City State University.

Goals

- 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
- To develop a competent individual 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.

Interdisciplinary Pre-Law Program

Law schools as a rule do not have specific academic requirements for admission other than the baccalaureate degree. Students planning to enter law school should be aware of the recommendations of the Association of the 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.

MAJOR: B.S. in Criminal Justice

A. General Education Core		**46**
B. Major Core Requirements		**45**
CJ 201	Introduction to Criminal Justice	3
CJ 203	Criminal Justice Ethics	3
CJ 204	Institutional Corrections	3
CJ 206	Police in American Society	3
CJ 210	Juvenile Justice System	3
CJ 310	American Constitution Law	3
CJ 311	Criminal Law	3
CJ 313	Research Methods in Criminal Justice	3
CJ 391	Criminology	3
CJ 392	Statistics in Criminal Justice	3
OR		
SOC 245	Social Statistics	
CJ 400	Juvenile Delinquency	3
CJ 489	Problems and Practice in Criminal Justice	3
CJ 492	Public Policy in Criminal Justice	3
CJ 499	Criminal Justice Internship	6
C. Related Courses		**12**
Select 12 semester hours from the following:		
BMIS 190	Management Information Systems I.	3
ENGL 317	Advanced Composition	3
PAD 200	Public Administration	3
SOC 302	Race and Ethnic Relations	3
CJ 216	Foundations of Criminal Justice Scholarship	3
SOC 305	Sociology of the African-American	3
SPAN 101	Elementary Spanish I	3
OR		
SPAN 102	Elementary Spanish II	3
D. Minor/Electives		**21**
Total Semester Hours Required for Degree		**124**

Curriculum Guide for Majors in Criminal Justice

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition & Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 135	Introduction to Music Lit	2
GE 140	World Civilization I	3
GE	Natural Science/Lab	4
GE	Physical Education Activity	1
		17

Second Semester

GE 103	English Composition & Vocabulary	3
GE 130	Art Appreciation	2
GE 185	Health Concepts	2
GE 141	World Civilization II	3
GE	Natural Science/Math	3
GE	Physical Education Activity	1
CJ 201	Introduction to Criminal Justice	3
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
GE	Social/Behavior Science	3
CJ 203	Criminal Justice Ethics	3
CJ 204	Institutional Corrections	3
CSC 111	Introduction to Computing	3
		15

Second Semester

GE 202	World Literature II	3
GE	Social/Behavior Science	3
CJ 206	Police in American Society	3
CJ 210	Juvenile Justice System	3
	Related Courses	3
		15

Junior Year

First Semester

Course and number		Semester hrs
CJ 310	American Constitution Law	3
CJ 391	Criminology	3
CJ 392	Statistics in Criminal Justice	3
OR		
SOC 245	Social Statistics	
	Related Course	3
	Minor/Electives	3
		15

Second Semester

CJ 311	Criminal Law	3
CJ 313	Research Methods in CJ	3
	Related Courses	3
	Minor/Electives	6
		15

Senior Year

First Semester

Course and number		Semester hrs
CJ 400	Juvenile Delinquency	3
CJ 489	Problems & Practice in CJ	3
CJ 492	Public Policy in Criminal Justice	3
CJ 499	Criminal Justice Internship	6
		15

Second Semester

	Related Courses	3
	Minor/Electives	12
		15

Total Semester Hours Required for Degree **124**

Sociology Degree Program

Sociology is a versatile undergraduate major that investigates the interrelationships between social order and social change in individuals' personal lives, their communities and the global world. At the level of social relationships, sociologists study the causes and consequences of issues such as racial, ethnic, and sexual identity; family dynamics; cultural relativity; and crime and cultural deviance. On the level of community, sociologists study the realities of social stratification and inequalities, gender inequalities, ageism, poverty, the criminal justice system, the health care system, educational strategies, housing and homelessness, domestic terrorism, corporate and business behavior, and social movements. On the global level, sociologists study conflict between societies, war and international terrorism, cultural diversity, the processes of globalization and modernization, and socially induced environmental change and pollution.

The undergraduate program in Sociology at Elizabeth City State University prepares students for professional practice in sociology through education and training in methodology of social research, sociological theories, and the study of local and global systems of social institutions and social arrangements. In today's world of globalization and high-tech service and information economy, the competitiveness of an individual crucially depends on liberal arts education background and experience. The graduates of the Sociology Program will be competent to enter into a variety of careers including higher education, law, criminal justice, social work, healthcare, international development, journalism, human resources, corporate management and advertising.

MAJOR: B.A. in Sociology

A. General Education Core.		**46**
B. Major Core Requirements		**39**
SOC 201	Introduction to Sociology	3
SOC 202	Social Problems	3
SOC 245	Social Statistics	3
SOC 297	Social Research Methods	3
SOC 302	Race and Ethnic Relations	3
SOC 305	Sociology of the African-American	3
SOC 306	Urban Sociology	3
SOC 360	Social Psychology	3
SOC 385	Social Theory	3
SOC 401	The Family	3
SOC 412	Social Stratification	3
SOC 481	Population	3
SOC 488	Seminar in Sociology	3
C. Related Courses		**9**
HIST 255	American History to 1877	3
HIST 256	American History Since 1877	3
AND		
CJ 400	Juvenile Delinquency	3
OR		
ECON 201	Principles of Economics	3
D. Minor/Electives		**30**
Total Semester Hours Required for Degree		**124**

Curriculum Guide for Majors in Sociology

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition & Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 135	Introduction to Music Lit	2
GE 140	World Civilization I	3
GE	Natural Science/Lab	4
		16

Second Semester

GE 103	English Composition & Vocabulary	3
GE 141	World Civilization II	3
GE 185	Health Concepts	2
GE	Natural Science/Math	3
GE	Physical Education Activity	1
PSY 212	General Psychology	3
		15

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
ECON 201	Principle of Economics I	3
HIST 255	American History to 1877	3
CSC 111	Introduction to Computing	3
SOC 201	Introduction to Sociology	3
GE	Physical Education Activity	1
		16

Second Semester

GE 130	Art Appreciation	2
GE 202	World Literature II	3
HIST 256	American History Since 1877	3
SOC 202	Social Problems	3
SOC 245	Social Statistics	3
	Minor/Elective	3
		17

Junior Year

First Semester

Course and number		Semester hrs
SOC 297	Social Research Methods	3
SOC 302	Race and Ethnic Relations	3
SOC 360	Social Psychology	3
SOC 385	Social Theory	3
	Minor/Electives	3
		15

Second Semester

SOC 401	The Family	3
SOC 412	Social Stratification	3
	Minor/Electives	9
		15

Senior Year

First Semester

Course and number		Semester hrs
CJ 400	Juvenile Delinquency	3
SOC 306	Urban Sociology	3
	Minor/Electives	9
		15

Second Semester

SOC 305	Soc of the African American	3
SOC 481	Population	3
SOC 488	Seminar in Sociology	3
	Minor/Electives	6
		15

Total Semester Hours Required for Degree **124**

Social Work Degree Program

ACCREDITED BY THE COUNCIL ON SOCIAL WORK EDUCATION (CSWE, JUNE 2007)

The mission of the Social Work Program is to prepare students to be competent, effective, and professional generalist social work practitioners with special attention to rural and developing communities and guided by a person in the environment construct in a global perspective. The social work curriculum also prepares students for graduate social work education and other continuous learning opportunities. The social work curriculum consists of pre-professional and professional social work courses.

Pre-Professional Social Work Courses

The five pre-professional courses are: SOWK 205, SOWK 210, SOWK 220, SOWK 250, and SOWK 260. These courses are designed to introduce students to the social work profession, values guiding the profession, practice methods, fields of practice, interviewing skills, dimensions of human diversity, the social welfare system and services, and human behavior in the social environment. These pre-professional courses total 15 credit hours.

Professional Social Work Courses

Students must be admitted to the Social Work Program prior to the enrollment in the professional social work courses. These courses are designed to provide professional foundation content in the areas of values and ethics, diversity, human behavior in the social environment, generalist practice, social welfare polices, research and evaluation, and field education. The seven professional social work courses are: SOWK 363, SOWK 370, SOWK 372, SOWK 390, SOWK 442, 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 363, SOWK 370, SOWK 372, SOWK 390 and SOWK 442. In addition, 46 semester hours of Liberal Arts and General Education courses should be completed prior to applying for enrollment in Field Education and Seminar.

Field Education and Seminar

Field Education and Seminar occurs during the fall and Spring semesters of the senior year. The social work field experience includes an internship for students at selected human service agencies two days per week (Tuesday and Thursday), and a weekly seminar class on an alternate day. Students will complete an internship that consists of 440 hours (220 hours per semester) in selected public, nonprofit, and for-profit human service agencies in North Carolina. Students employed in human service agencies will not be allowed to use their employment as a substitute for their field education placements. All students must earn a grade of "C" or better in SOWK 363 (Social Work Practice I) and SOWK 442 (Social Work Practice II) and have a cumulative GPA of 2.50 or better to be eligible to entoll in SOWK 444 (Social Work Field Education and Seminar I). All students must earn a grade of "C" or better in all required social work courses in order to graduate with the BSW Degree.

SOWK 444 - Social Work Field Education and Seminar I is offered in the fall and SOWK 445 - Social Work Field Education and Seminar II is offered in the Spring. Applications for field education placements must be submitted during the Spring semester of the junior year. Failure to submit an application will result in students not being considered for field education. Students who do not satisfactorily complete Field Education and Seminar forfeit hours earned and must reapply. Incomplete ("I") grades are not given for this course. Students who are readmitted to Field Education and Seminar are assigned to new agencies.

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 September 15th and February 15th of each year.
- Completion of the pre-professional social work courses: SOWK 205, 210, 220, 250, and 260 "C" or higher.
- Completion of all Liberal Arts and General Education courses with a "C" or higher.
- Cumulative Grade Point Average (GPA) of 2.50,
- Two (2) Letters of Recommendation (faculty member, clergy, counselor or other professional in the human services field).
- Agree to abide by the National Association of Social Workers (NASW) Code of Ethics.
- Acceptable Personal Narrative that addresses the assigned questions in the Social Work Program Admissions Packet.

Additional SOWK Program Policies

Only students that are accepted in the Social Work Program will be allowed to enroll in the following professional social work courses: SOWK 363, 370, 372, 390, 442, 444. A student may be rejected or dismissed from the program due to the following:

- GPA less than 2.50
- Grades less than "C"
- Unethical behavior (e.g., cheating, plagiarism, behaviors breaching the NASW Code of Ethics)
- Failure to earn a "C" or higher in SOWK 363 and 442 after two repeats of the course(s).

Course credit is not given for employment/work experience in human service agencies.

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 in to the Social Work Program. There is no 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.

MAJOR: BSW in Social Work

A. General Education Core		**46**
B. Major Core Requirements		**42**
SOWK 205	Introduction to Social Work	3
SOWK 210	Fundamentals of Interviewing	3
SOWK 220	Human Diversity	3
SOWK 250	Introduction to Social Welfare	3
SOWK 260	Human Behavior and the Social Environment I: Childhood & Adolescence	3
SOWK 363	Social Work Practice I: Organizations and Communities	3
SOWK 370	Social Welfare Policy	3
SOWK 372	Human Behavior and the Social Environment II: Adulthood	3
SOWK 390	Research Methods in Social Work	3
SOWK 442	Social Work Practice II: Individuals, Families & Groups	3
SOWK 444	Social Work Field Education and Seminar I	6
SOWK 445	Social Work Field Education and Seminar II	6
SOC 202	Social Problems	3
SOC 245	Social Statistics	3
C. Required Non Social Work Courses		**9**
SOC 201	Introduction to Sociology	3
SOC 202	Social Problems	3
SOC 245	Social Statistics	3
D. Restricted Electives		**3**
SOC 305	Sociology of the African-American	3
OR		
HIST 250	African-American History	3
E. Related Courses		**6**
FREN 101/102	French I/II	6
SPAN 101/102	Elementary Spanish I/II	6
OR		
SPPA 250/251	Sign Language	6
F. Minor*/Electives		**18**
Total Semester Hours Required for Degree		**124**

**Suggested Minors for Criminal Justice, Sociology and Social Work: Criminal Justice, Corrections, Juvenile Justice, Pre-Law, Sociology, Political Science, Business Administration, Psychology and Public Administration*

Curriculum Guide for Majors in Social Work

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition & Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 135	Introduction to Music Lit	2
GE 140	World Civilization I	3
GE 155	Principle of Biol Science/Lab**	4
GE	Physical Education Activity	1
		17

Second Semester

GE 103	English Composition & Vocabulary	3
ECON 201	Principles of Economics I	3
GE 185	Health Concepts	2
GE	Natural Science	3
GE 130	Art Appreciation	2
SOC 201	Introduction to Sociology	3
		16

***Only one lab is required*

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
GE	Physical Education Activity	1
PSY 212	General Psychology	3
SOWK 205	Introduction to Social Work	3
SOWK 210	Fund of Interviewing	3
SOWK 220	Human Diversity	3
		16

Second Semester

GE 202	World Literature II	3
CSC 111	Introduction to Computing	3
SOWK 250	Introduction to Social Welfare	3
SOWK 260	Hum Behavior/Soc Environment I	3
POLS 301	American National Government	3
		15

Junior Year

First Semester

Course and number		Semester hrs
SOWK 363	Social Work Practice I	3
SOWK 370	Social Welfare Policy	3
SOWK 372	Hum Behavior/Soc Env II	3
SOC 245	Social Statistics	3
SPAN 101	Elementary Spanish I	
OR		
SPPA 250	Sign Language I	3
		15

Second Semester

SOWK 390	Research Methods in SOWK	3
SOWK 442	Social Work Practice II	3
SOC 202	Social Problems	3
SOC 305	Soc of the African-American	
OR		
HIST 250	African American History	3
SPAN 102	Elementary Spanish II	
OR		
SPPA 251	Sign Language II	3
		15

Senior Year

First Semester

Course and number		Semester hrs
SOWK 444	SOWK Field Education & Sem I	6
	Minor/Electives	9
		15

Second Semester

SOWK 445	SOWK Field Education & Sem II	6
	Minor/Electives	9
		15

Total Semester Hours Required for Degree **124**

MINOR: Corrections

CJ 202	Community Corrections	3
CJ 204	Institutional Corrections	3
CJ 205	Law of Criminal Corrections	3

CJ 210	Juvenile Justice System	3
CJ 391	Criminology	3
CJ 499	Criminal Justice Internship	6
(or substitute two 400-level criminal justice courses)		
Total Semester Hours Required for Minor		**21**

MINOR: Criminal Justice

CJ 202	Community Corrections	3
CJ 204	Institutional Corrections	3
CJ 206	Police in American Society	3
CJ 311	Criminal Law	3
CJ 391	Criminology	3
CJ 499	Criminal Justice Internship	6
(or substitute two 400-level criminal justice courses)		
Total Semester Hours Required for Minor		**21**

MINOR: Juvenile Justice

CJ 206	Police in American Society	3
CJ 210	Juvenile Justice System.	3
CJ 217	Violent Crime	3
CJ 311	Criminal Law	3
CJ 400	Juvenile Delinquency	3
CJ 499	Criminal Justice Internship	6
(or substitute two 400-level criminal justice courses)		
Total Semester Hours Required for Minor		**21**

MINOR: Public Administration

PAD 200	Introduction to Public Administration	3
PAD 301	Public Personnel Administration	3
PAD 302	Public Finance and Budgeting	3
PAD 400	Organizational Theory and Behavior	3
PAD 401	Introduction to Public Policy	3
PAD 402	Internship in Public Administration	3
Total Semester Hours Required for Minor		**18**

MINOR: Sociology

SOC 201	Introduction to Sociology	3
SOC 245	Social Statistics	3
SOC 297	Social Research Methods	3
SOC 305	Sociology of the African-American	3
SOC 306	Urban Sociology	3
SOC 385	Social Theory	3
SOC 412	Social Stratification	3
Total Semester Hours Required for Minor		**21**

Minors Across Curricula

For a student to minor in a discipline, he/she is required to complete 21 hours. However, the minors are listed outside of each discipline. The new curricula should make it clear that students can minor in other disciplines other than the one they are majoring in. The new catalog should reflect the proposed changes. Public Administration has been approved as a minor across the curriculum.

1. Major in Criminal Justice with a minor in Public Administration.
2. Major in Criminal Justice with a minor in Polirical Science.
3. Major in Social Work with a minor in Public Administration.
4. Major in Social Work with a minor in Sociology.

*Suggested Minors for Criminal Justice, Sociology and Social Work: Criminal Justice, Corrections, Juvenile Justice, Pre-Law, Sociology, Political Science, Business Administration, Psychology and Public Administration.

Interdisciplinary Major in Religious Studies

The minor in Religious Studies is an interdisciplinary program offered by the departments of Art, Music, History and Political Science, Language Literature and Communication, and Social Sciences. It is designed to:

- Complement the student's major including business, counseling, education, foreign service, or social work;
- Provide the prerequisites to continue to seminary study if the student chooses or to qualify for graduate school or seminary;
- Provide students the opportunity to broaden their educational experience;
- Enhance cultural awareness and help them to think critically and analytically;
- Broaden their understanding of American culture and community and its place in the world.

The overall course of study is designed to provide students the opportunity to concentrate in Religious Studies and to examine and investigate the impact of religious beliefs, texts, symbols and myths of religion on the Church in America while putting the Church in a global context.

- Any major can choose to minor in Religious Studies.
- 21 semester hours required.

12 hours of core courses taken by all students. The remaining 9 hours in one of four areas of concentration.

Major Core Courses		**12 Semester hrs**
RELG 200	Introduction to Religion	3
HIST 330	History of Christianity	3
HIST 331	African American Religion and the Church	3
HIST 332	Global Religion	3

Areas of Concentration

9 Semester hours in an area of concentration:

- Art and Religion
- Church Music
- Bible as Literature
- Religion and Social Work

Walter R. Davis School of Business & Economics

The Elizabeth City State University Walter R. Davis School of Business and Economics provides students from all backgrounds with rigorous and relevant business educational experiences. We promote scholarly inquiry and life-long learning. The Davis School is committed to maintaining a challenging environment that promotes both independence and service to others.

We prepare students for success in life, and in their chosen careers. The School provides a full spectrum of post secondary business education 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 School 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.

Mission Statement

The Walter R. Davis School of Business and Economics offers a challenging and transformational student-centered undergraduate education in business. The School serves northeastern North Carolina and reaches out to the global community primarily through teaching, while also addressing its environmentally sensitive economic needs through service and research activities.

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 School of Business & Economics.

General Process

Srudents enrolled at either Elizabeth City State University or transferring from other institutions may be considered for admission to the School of Business & Economics. Students will complete an "intent to major" form in business as the first step and will be assigned a business faculty advisor. **To be eligible for admission to the School, however, students must satisfy the following admission requirements:**

1. Completion of a minimum of 45 semester hours at ECSU or at a regionally accredited College or University.
2. Cumulative GPA of 2.0 or berter on a 4.0 scale. (Transfer credits of students from other institutions will have satisfied the grade of "C" or better).
3. Completion of the following courses or equivalent courses with a minimum grade "C" or better 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, students must submit an application for official admission to the School. Students not accepted may retake courses to meet eligibility requirements and reapply.

Once admitted to the School, the student's progress will be monitored and subject to the School's Retention Process.

Retention Process

Purpose

The purpose of the retention process is to ensure timely completion of the business administration or 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 School and is apart from the University's "academic eligibility standards" in the ECSU catalog. Students admitted to the School are those who meet the requirements established in the School's Admission's Process.

General Process

In order to graduate with a degree in Accounting or Business Administration, students are allowed no more than two "D"s in courses offered in the School of Business & Economics. Further, 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 pre-requisite for another course must be "C" or better:

1. **WARNING.** The semester in which a business student's cumulative GPA in rhe major courses falls below the minimum requirement of 2.0 will result in the issuance of a "Warning" letter from the School. Students under warning must retake courses in which they earned a grade less than "C" and the student will be allowed to enroll in no more than 12 semester hours of both business and non-business courses.
2. **PROBATION.** Students who fail to meet the minimum cumulative GPA in their 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 the student's time-on-task.

While on probation, students will not be allowed to take additional business courses but rather will be limited to retaking business courses in which they earned a grade less than "C". However, they may take general education and non-business elective courses to allow the students to improve their overall GPA.

NOTE: Repeating of 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."

Curriculum

The Walter R. Davis School of Business & Economics offers the following degrees:

1. Bachelor of Science in Accounting
2. Bachelor of Science in Business Administration. (Requires concentration in one of the following: Economics and Finance, Management, Management Information Systems, or Marketing).

The School also offers a Minor in Business Administration to students who are pursuing majors in other schools.

In addition to residential offerings at the Elizabeth City campus, the School participates in the University's Distance Learning Program.

The Davis Scholars Program

An integrated financial support package for entering students who demonstrate unusual promise.

Individuals selected as Davis Scholars have demonstrated exemplary academic ability and leadership potential prior to enrolling at Elizabeth City State University. The intent is to bring to campus men and women who have an exemplary record of accomplishments, and who appear willing to share their abilities with others.

Davis Scholar awards are merit based. Secondary school grade point average, grades at other colleges and universities, courses taken, SAT scores, and involvement, particularly leadership involvement in service-oriented organizations are considered. Each applicant's essay is also examined for evidence of unusual accomplishments.

Department of Accounting

The Department of Accounting 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 department are:

- To prepare students for entry-level accounting career opportunities.
- To provide basic preparation for related professional certifications.
- To prepare students for graduate study.
- To produce graduates with the knowledge, skills, behaviors, and confidence to succeed in the career of their choice and in life, and
- To produce graduates who are effective communicators and problem solvers who will contribute to the common good in a global society.

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).

MAJOR: B.S. Degree in Accounting

A. General Education Requirements		**46**
Must include ECON 201, ECON 202,BUAD 190, and SPCH 214.		
B. Major Core Course Requirements		**43**
BUAD 115	Introduction to Business – Must Take First	3
ACCT 210	Financial Accounting	3
BFIN 311	Principles of Finance	3
BMIS 380	Management Information Systems II	3
BUAD 200	Business Communications	3
BUAD 240	Ethics	3
BUAD 241	Business Law	3
BUAD 260	Career Development Seminar	3
BUAD 360	Quantitative Methods	3
BUAD 421	Operations Management	3
BUAD 455	Strategic Management (Senior Standing)	3
BUAD 456	International Business	3
OR		
ECON 455	International Economics	3
ECON 260	Business/Economic Statistics	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
C. Accounting Major Requirements		**25**
ACCT 321/L	Intermediate Accounting I/Lab	4
ACCT 322	Intermediate Accounting II	3
ACCT 323	Intermediate Accounting III	3
ACCT 335	Federal Income Taxation	3
ACCT 425	Financial Auditing	3
ACCT 421	Cost Accounting	3
ACCT 431	Accounting for Mergers and Acquisitions	3
ACCT 435	Entities Taxation	3
ACCT 440	Accounting Information Systems	3
D. Accounting Major Electives - must take 1 from the following		**3**
ACCT 422	Advanced Cost Accounting	3
ACCT 435	Entities Taxation	3
ACCT 450	Financial Statement Analysis	3
ACCT 451	Government & Not-for-Profit Acct	3
E. Directed Electives - select 1 course from the following:		**3**
GLBS 320, POLS 200, PSY 212, SOC 201, SOC 204, Languages		
F. General Electives		**3**
G. MATH 153	**Calculus for Non-Science Majors**	**3**
Total Semester Hours Required for Degree		**126**

B.S. Degree in Accounting Suggested Curriculum Guide (Effective Fall 2010)

Freshman Year

First Semester

Course and number		Semester hrs
GE 185	Health Concepts	2
GE 102	English Composition & Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
BUAD 115	Introduction to Business	3
GE 140	World Civilization I	3
SPCH 214	College Speech	2
		17

Second Semester

GE 103	English Composition & Vocabulary	3
GE 118	Pre Calculus	3
	Natural Science/Lab	4
	Physical Ed	1
GE 141	World Civilization II	3
BUAD 190	Management Information Systems I	3
		17

Sophomore Year

First Semester

Course and number		Semester hrs
MATH 153	Calculus Non-Science Majors	3
	Fine Arts and Communication Elective	2
GE 201	World Literature I	3
ACCT 210	Financial Accounting	3
BUAD 200	Business Communication	3
ECON 201	Principles of Economics I	3
BUAD 260	Career Development Seminar	1
		18

Second Semester

	Directed Elective**	3
	G.E. Language/Literature Elective	3

ECON 202	Principles of Economics II	3
ACCT 321/L	Intermediate Accounting I/Lab	4
BUAD 241	Business Law	3
	Physical Ed. Activity	1
		17

Junior Year

First Semester

Course and number		Semester hrs
MNGT 221	Principles of Management	3
ECON 260	Business/Economics Statistics	3
ACCT 322	Intermediate Accounting II	3
BMIS 380	Management Information Systems II	3
MRKT 231	Principles of Marketing	3
ACCT 335	Federal Income Tax	3
		18

Second Semester

ACCT 323	Intermediate Accounting III	3
ACCT 421	Cost Accounting	3
BUAD 360	Quantitative Methods	3
BFIN 311	Principles of Finance	3
BUAD 240	Ethics	3
		15

Senior Year

First Semester

Course and number		Semester hrs
ACCT	Accounting Major Elective*	3
ACCT 440	Accounting Information Systems	3
BUAD 456	International Business, or	
ECON 455	International Economics	3
BUAD 241	Business Law I	3
		12

Second Semester

ACCT 425	Financial Auditing	3
ACCT 431	Advanced Financial Accounting	3
BUAD 455	Strategic Management	3
	General Elective	3
		12

Total Semester Hours Required for Degree **126**

* Accounting Major Electives - Must take 3 semester hours from the following:

ACCT 422	Advanced Cost Accounting	3
ACCT 435	Entities Taxation	3
ACCT 451	Government & Not-for-Profit Accounting	3

**Directed Electives

Choose 3 semester hours of the following:

LBS 320	World Societies & Cultures
PSY 212	General Psychology
SOC 201	Introduction to Sociology
POLS 200	Introduction to Political Science
SOC 204	Introduction to Anthropology
	Foreign or Sign Language

Department of Business Administration

The Department of Business Administration 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, Marketing, Management Information System, or Economics and Finance. The department also offers a Minor in Business Administration 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 technology environments; familiarize themselves with the dynamics of the internal organization and operations of business firms; develop skills in identifying problems, issues, strengths, weaknesses, opportunities and threats confronting business firms; acquire tools, methods, and techniques for analyzing and solving business problems and opportunities; and the ability to develop and implement strategies.

The major objectives of the department are to help students succeed at each of the following:

1. Demonstrate oral communication skills
2. Demonstrate written communication skills
3. Demonstrate receptive communication skills
4. Use problem solving process
5. Use quantitative reasoning skills
6. Use qualitative reasoning skills
7. Use decision-support systems
8. Participate in volunteer activities
9. Demonstrate ethical decision-making
10. Understand the political, legal and socio-economic environments
11. Perform satisfactorily on standards established by the Davis School Faculty
12. Perform satisfactorily on standards established by national benchmarks

Degree Program

The Business Administration Department offers a Bachelor of Science in Business Administration. Students will 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

The field of Management prepares graduates for supervisory positions. This is the most popular concentration in the School of Business & Economics. Corporations, governments, and non-profit organizations actively recruit college graduates with good management skills. The management concentration helps students develop skills that are in high demand in the job market. Students learn to manage human resources, utilize assets effectively, apply business models, and work in teams. Management courses stress communication skills, develop expertise with computer applications, and enhance leadership abilities. Regardless of the types of goods or services produced by an entity, the path for advancement is through management.

Concentration in Marketing

Marketing is the study of the social and managerial process by which individuals and groups obtain what they need and want through creating and exchanging products and value with others. Marketing is part of all of our lives and touches us in some way every day. Successful companies are not only customer-driven, but are customer-obsessed. Successes come about by developing sound marketing mix strategies and functions that provide superior value to customers. Thus, marketing is a key factor in business success. The marketing concentration prepares students for many exciting and lucrative positions. Marketing skills are in high demand by a variety of industries. Some graduates continue their education in a master's degree program to prepare for positions in marketing research, advertising, or public relations. Marketing employment can be found in a number of organizations, including manufacturing firms, non-profit organizations, distribution firms such as retailers and wholesalers, service suppliers, and research and advertising agencies.

Concentration in Management Information Systems (MIS)

The MIS concentration focuses on teaching business information fundamentals, building on and enabling business majors to comprehend how these essentials relate directly to the development of information systems based on current information technology. Emphasis is on applying MIS knowledge to solving practical business problems, including projects that are imported to the classroom from regional companies. MIS is a discipline which has become vital to all business. The demand for Business majors with MIS skill sets is expected to continue to increase into the foreseeable future.

Concentration in Economics and Finance

The B.S. in Business Administration with 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.

Minor in Business Administration

The Department also offers a minor in Business Administration to students pursuing degrees in other schools at the University.

MAJOR: B.S. Degree in Business Administration – Concentration in Management

A. General Education Requirements		**46/47**
Must Include: ECON 201, ECON 202, BUAD 190, GE 118 and SPCH 214 or SPCH 314		
B. Major Core Course Requirements		**46**
BUAD 115	Introduction to Business - *Must Take First*	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 241	Business Law	3
BUAD 360	Quantitative Methods for Bus. & Eco.	3
BUAD 456	International Business	3
OR		
ECON 455	International Economics	3
BUAD 260	Career Development Seminar	1
BUAD 455	Strategic Management	3
BUAD 200	Business Communication	3
BUAD 240	Ethics	3
ECON 260	Business/Economics Statistics	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BUAD 421	Operations Management	3
Business Electives – choose 6 hours within following		**6**
BUAD 365	Business Research and Report Writing	3
ACCT 335	Federal Taxation	3
ECON 376	Public Finance	3
BUAD 490	Internship I	3
BUAD 491	Internship II	6
BUAD 424	High Tech Business	3
BUAD 425	Franchising	3
BFIN 210	Personal Financial Management	3

Or other course approved in advance by advisor and department chair.

C. Concentration Requirements		**12**
MNGT 321	Human Resource Management	3
MNGT 322	Organizational Behavior - Required	3
MNGT 345	Leadership & Teamwork	3
BUAD 322	Entrepreneurship	3
D. Directed Electives – PSY 212 plus choose 3 hours from the following:		**6**
GLBS 320, POLS 200, SOC 201, SOC 204, Foreign Language or Sign Language		
E. General Electives		**6**
F. MATH 153	**Calculus for Non-Science Majors**	**3**
Total Semester Hours Required for Degree		**125/126**

B.S. Degree in Business Administration Suggested Curriculum Guide for Concentration in Management

Freshman Year

First Semester

Course and number		Semester hrs
GE 185	Health Concepts	2
GE 102	English Composition & Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
BUAD 115	Introduction to Business	3
SPCH 314	Public Speaking or	3
SPCH 214	College Speech	2
		17/18

Second Semester

GE 103	English Composition & Vocabulary	3
GE 118	Pre Calculus*	3
BUAD 190	Management Information Sys. I	3
GE 141	World Civilization II	3
	Natural Science & Lab	4
	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
	Fine Arts and Communication Elective	2
GE 201	World Literature I	3
MATH 153	Calculus Non-Science Majors	3
ACCT 210	Financial Accounting	3
BUAD 260	Career Development	1
BUAD 200	Business Communication	3
ECON 201	Principles of Economics I	3
		18

Second Semester

	Language & Literature Elective	3
ACCT 220	Managerial Accounting	3
PSY 212	General Psychology	3
ECON 202	Principles of Economics II	3
BUAD241	Business Law	3
	Physical Ed. Activity	1
		17

Junior Year

First Semester

Course and number		Semester hrs
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
	Directed Elective**	3
BMIS 380	Management Info Systems II	3
ECON 260	Business/Econ Statistics	3
		1
		16

Second Semester

BUAD 360	Quantitative Methods	3
BFIN 311	Principles of Finance	3
MNGT 321	Human Resources Management	3
MNGT 322	Organizational Behavior	3
BUAD 240	Ethics	3
		15

Senior Year

First Semester

Course and number		Semester hrs
	Business Electives *	3
	General Elective	3
	General Elective	3
BUAD 322	Entrepreneurship	3
BUAD 421	Operations Management	3
		15

Second Semester

BUAD 455	Strategic Management	3
	Business Electives *	3
MNGT 345	Leadership/Teamwork	3
BUAD 456	International Business or	3
ECON 455	International Economics	3
		12

Total Semester Hours Required for Degree	**125/126**

*Business Electives:
Choose 6 semester hours of the following:

ACCT 335	Federal Taxation	3
BUAD 365	Business Research & Report Writing	3
BUAD 490	Internship I (3 cr. Hrs.)	3
BUAD 491	Internship II (6 cr. Hrs.)	6
ECON 376	Public Finance	3
BUAD 424	High Tech Business	3
BUAD 425	Franchising	3
BFIN 210	Personal Financial Management	3

OR other course pre-approved by advisor and Dept. Chair.

**Directed Electives
Choose 3 semester hours of the following

GLBS 320	World Societies & Cultures
SOC 201	Introduction Sociology
POLS 200	Introduction to Political Science
SOC 204	Introduction Anthropology Languages
	Foreign or Sign Language

MAJOR: B.S. Degree in Business Administration – Concentration in Marketing

A. General Education Requirements		**46/47**
Must Include: ECON 201, ECON 202, BUAD 190, GE 118 and SPCH 214 or SPCH 314		
B. Major Core Course Requirements		**46**
BUAD 115	Introduction to Business - Must Take First	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 241	Business Law	3
BUAD 360	Quantitative Methods for Bus./ Economics	3
BUAD 456	International Business	3
OR		
ECON 455	International Economics	3
BUAD 260	Career Development Seminar	1
BUAD 455	Strategic Management	3
BUAD 200	Business Communication	3
BUAD 240	Ethics	3
ECON 260	Business/Economics Statistics	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BUAD 421	Operations Management	3
Business Electives – choose 6 hours within following		**6**
BUAD 365	Business Research and Report Writing	3
ACCT 335	Federal Taxation	3
ECON 376	Public Finance	3
BUAD 490	Internship I	3
BUAD 491	Internship II	6
BUAD 424	High Tech Business	3
BUAD 322	Entrepreneurship	3
BFIN 210	Personal Financial Management	3
BUAD 425	Franchising	3

Or other course approved in advance by advisor and department chair.

C. Concentration Requirements		**12**
(MRKT 332. 333 and 432 plus 1 of 2 courses)		
MRKT 331	Promotion or	3
MRKT 431	Retailing	3
MRKT 332	Consumer Behavior - Required	3
MRKT 333	Sales - Required	3
MRKT 432	Marketing Management - Required	3
D. Directed Electives – 6 hours from the following		**6**
PSY 212	**General Psychology**	**3**
Plus one of the following courses: GLBS 320, POLS 200, SOC 201, SOC 204, Foreign Language or Sign Language		**3**
E. General Electives		**6**
F. MATH 153	**Calculus for Non-Science Majors**	**3**
Total Semester Hours Required for Degree		**125/126**

Suggested Curriculum Guide for Concentration in Marketing

Freshman Year

First Semester

Course and number		Semester hrs
GE 185	Health Concepts	2
GE 102	English Composition & Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
BUAD 115	Introduction to Business	3
SPCH 314	Public Speaking or	3
SPCH 214	College Speech	2
		17/18

Second Semester

GE 103	English Composition & Vocabulary	3
GE 118	Pre Calculus*	3
BUAD 190	Management Information Systems I	3
GE 141	World Civilization II	3
	Natural Science & Lab	4
	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
	Fine Arts and Communication Elective	2
GE 201	World Literature I	3
MATH 153	Calculus /Non-Science Majors	3
ACCT 210	Financial Accounting	3
BUAD 260	Career Development Seminar	1
BUAD 200	Business Communication	3
ECON 201	Principle of Economics I	3
		18

Second Semester

	Physical Education Activity	1
	Language & Literature Elective	3
ACCT 220	Managerial Accounting	3
BUAD 241	Business Law	3
ECON 202	Principles of Economics II	3
PSY 212	General Psychology	3
		16

Junior Year

First Semester

Course and number		Semester hrs
MRKT 231	Principles of Marketing	3
BMIS 380	Management Information Systems II	3
ECON 260	Business/Economics Statistics	3
MNGT 221	Principles of Management	3
	Directed Elective **	3
		15

Second Semester

BUAD 360	Quantitative Methods	3
BFIN 311	Principles of Finance	3
BUAD 240	Ethics	3
MRKT 332	Consumer Behavior	3
MRKT 331 or 431	Promotion or Retailing	3
		15

Senior Year

First Semester

Course and number		Semester hrs
	General Elective	3
	Business Elective	3
	General Elective	3
BUAD 421	Operations Management	3
MRKT 432	Marketing Management	3
		15

Second Semester

BUAD 455	Strategic Management	3
	Business Electives *	3
MRKT 333	Sales	3
ECON 455	International Economics or	3
BUAD 456	International Business	3
		12

Total Semester Hours Required for Degree **125/126**

*Business Electives:
Choose 6 semester hours of the following:

ACCT 335	Federal Taxation	3
BUAD 365	Business Research & Report Writing	3
BUAD 490	Internship I (3 cr. Hrs.)	3
BUAD 491	Internship II (6 cr Hrs.)	6
ECON 376	Public Finance	3
BUAD 424	High Tech Business	3
BUAD 322	Entrepreneurship	3
BFIN 210	Personal Financial Management	3
BUAD 425	Franchising	3

Or other course approved in advance by advisor and department chair.

**Directed Electives
Choose 3 semester hours of the following

GLBS 320	World Societies & Cultures
SOC 201	Introduction Sociology
POLS 200	Introduction to Political Science
SOC 204	Introduction Anthropology
	Foreign or Sign Language

MAJOR: B.S. Degree in Business Administration Concentration in Management Information Systems

A. General Education Requirements Includes: ECON 201, ECON 202, BUAD 190, GE 118 and SPCH 214 or SPCH 314		**46/47**
B. Major Core Course Requirements		**46**
BUAD 115	Introduction to Business - Must Take First	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 241	Business Law	3
BUAD 360	Quantitative Methods for Bus. & Eco.	3
BUAD 456	International Business	3
OR		
ECON 455	International Economics	3
BUAD 260	Career Development Seminar	1
BUAD 455	Strategic Management	3
BUAD 200	Business Communication	3
BUAD 240	Ethics	3
ECON 260	Business/Economics Statistics	3
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
BUAD 421	Operations Management	3
Business Electives –		**6**
PSY 212 plus choose 3 hours from the following:		
BUAD 365	Business Research and Report Writing	3
ACCT 335	Federal Taxation	3
ECON 376	Public Finance	3
BUAD 490	Internship I	3
BUAD 491	Internship II	6
BUAD 424	High Tech Business	3
BUAD 322	Entrepreneurship	3
BFIN 210	Personal Financial Management	3
BUAD 425	Franchising	3
C. Concentration Requirements - choose 4 of the 5 following		**12**
BMIS 475	Database Management System	3
BMIS 485	Decision Support Systems	3
BMIS 410	Business Networks	3
BMIS 489	IS Project Management	3
ACCT 440	Accounting Information Systems	3
D. Directed Electives – 6 hours from the following		**6**
PSY 212	**General Psychology**	**3**
Plus one of the following courses: GLBS 320, POLS 200, SOC 201, SOC 204, Foreign Language or Sign Language		**3**
E. General Electives		**6**
F. MATH 153	**Calculus for Non-Science Majors**	**3**
Total Semester Hours Required for Degree		**125/126**

B.S. Degree in Business Administration Suggested Curriculum Guide for Concentration in Management Information System

Freshman Year

First Semester

Course and number		Semester hrs
GE 185	Heath Concepts	2
GE 102	English Composition & Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
BUAD 115	Introduction to Business	3
SPCH 314	Public Speaking or	3
SPCH 214	College Speech	2
		17/18

Second Semester

GE 103	English Composition & Vocabulary	3
GE 118	Pre Calculus*	3
BUAD 190	Management Information Sys. I	3
GE 141	World Civilization II	3
	Natural Science & Lab	4
	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
	Fine Arts and Communication Elective	2
GE 201	World Literature I	3
MATH 153	Calculus Non-Science Majors	3
ACCT 210	Financial Accounting	3
BUAD 260	Career Development Seminar	1
BUAD 200	Business Communication	3
ECON 201	Principle of Economics I	3
		18

Second Semester

	Physical Ed. Activity	1
	Language & Literature Elective	3
ACCT 220	Managerial Accounting	3
PSY 212	General Psychology	3
ECON 202	Principles of Economics II	3
BUAD241	Business Law	3
		16

Junior Year

First Semester

Course and number		Semester hrs
MNGT 221	Principles of Management	3
MRKT 231	Principles of Marketing	3
	Directed Elective	3
BMIS 380	Management Info Systems II	3
ECON 260	Business Statistics	3
		1
		16

Second Semester

BUAD 360	Quantitative Methods	3
BFIN 311	Principles of Finance	3
	Concentration Course***	3
	Concentration Course ***	3
BUAD 240	Ethics	3
		15

Senior Year

First Semester

Course and number		Semester hrs
	Business Electives *	3
	General Elective	3
	General Elective	3
	Concentration Course	3
BUAD 421	Operations Management	3
		15

Second Semester

BUAD 455	Strategic Management	3
	Business Elective*	3
	Concentration Course***	3
BUAD 456	International Business or	3
ECON 455	International Economics	3
		12
Total Semester Hours Required for Degree		**125/126**

*Business Electives:
Choose 6 semester hours of the following:

ACCT 335	Federal Taxation
BUAD 365	Business Research & Report Writing
BUAD 490	Internship (3 cr. Hrs.)
BUAD 491	Internship (6 cr. Hrs.)
ECON 376	Public Finance
BUAD 424	High Tech Business
BUAD 425	Franchising
BFIN 210	Personal Financial Management

OR other course pre-approved by advisor and Dept. Chair.

**Directed Electives
Choose 3 semester hours of the following

GLBS 320	World Societies & Cultures
SOC 201	Introduction Sociology
POLS 200	Introduction to Political Science
SOC 204	Introduction Anthropology
	Foreign or Sign Language

***Concentration Courses:
Choose 4 of the following:

BMIS 475	Database Management Software
BMIS 485	Decisions Support Systems
BMIS 410	Business Networks
BMIS 489	IS Project Management
ACCT 440	Accounting Information Systems

MINOR: Business Administration

Only students majoring in disciplines outside the School of Business and Economics may earn a Minor in Business Administration. 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
OR		
BFIN 311	Principles of Finance	3
TWO 300-400	Level Business Courses	6
Total Semester Hours Required for Minor		**21**

ECON 201 and ECON 202 must be taken as part of the General Education Requirements.

SCHOOL OF EDUCATION & PSYCHOLOGY

Established in 1891 for the "specific purpose of teaching and training teachers of the colored race" the School of Education and Psychology continues a rich heritage of producing teachers to serve northeastern North Carolina. The School of Education and Psychology continues to maintain its reputation for excellence, and to address the ever-changing needs of its many constituencies. Candidates enter our program as consumers of knowledge, but leave prepared to begin careers as professionals and/or to pursue graduate education, and to meet the demands of the 21st Century. The School of Education and Psychology 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 be the change agent and beacon of the Northeast that improves outcomes in P-12 Education.

Office of Teacher Education

Teacher Education Program Licensure

IMPORTANT NOTICE: All programs which lead to a teaching license from the state of North Carolina were under revision at the time this catalog went to press. Those students wishing to pursue a degree in education must see their advisors to ensure that they are meeting the current North Carolina requirements for a teaching license.

Conceptual Framework Professional Educator as Decision Maker

The conceptual framework adopted by Elizabeth City State University's professional education program, Professional Educator as Decision Maker, describes the vision and purpose of the School of Education and Psychology in preparing educators to work in P-12 schools. Consistent with the institution's mission, its focus is to prepare educators who are competent evaluators, reflective practitioners, advocators of diversity, effective facilitators, critical thinkers and proficient technology users 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 provided 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.

Overall Goals and Objectives for Teacher Education

The Teacher Education Program has a long-range plan which is monitored regularly. Major emphasis is on: (1) providing quality educational programs to all candidates, (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 NCATE reports for the Teacher Education Program.

Admission to the Teacher Education Program

Admission to the Teacher Education Program is open to both degree and non-degree students who meet the requirements established by the university.

Initial Admission to the Program

According to the criteria established by the Teacher Education Advisory Council, to be eligible for admission to the Teacher Education Program a student must:

A. Apply for admission to the Teacher Education Program.
B. Have successfully completed four semesters of college work (60 semester hours).
C. Have successfully completed a criminal background check;
D. Have taken and successfully completed:
   - GE 122T Freshman Seminar;
   - EDUC 210 Professional Studies I: Introduction to Education
   - Pre-Professional Skills Test I (PPST)/CBT of the PRAXIS Series and received acceptable scores as specified by the Department of Public Instruction.

Individuals with combined Math and Critical Reading SAT score of 1100 are exempt from Praxis I testing requirements for Teacher Education Program admission.

Individuals with a combined Math and Critical Reading SAT score of less than 1100, but a score of at least 550 on the Verbal (Critical Reading) test are exempt from the Preprofessional Skills Tests in Reading and Writing for Teacher Education Program admission.

Individuals with a combined Math and Critical Reading SAT score of less than 1100, but a score of at least 550 on the Math test are exempt from the Preprofessional Skills Test in Mathematics for Teacher Education Program admission.

Individuals with a composite ACT score of 24 are exempt from Praxis I testing requirements for Teacher Education Program admission.

Individuals with a composite ACT score of less than 24, but with a score of at least 24 on the English test are exempt from the Preprofessional Skills Tests in Reading and Writing for Teacher Education Program admission.

Individuals with a composite ACT score of less than 24, but a score of at least 24 on the Math test are exempt from the Preprofessional Skills Test in Mathematics for Teacher Education Program admission.

A. Have an overall cumulative grade point average of 2.5 or better on a 4.0 scale.
B. Complete a Candidate For Professional Licensure Profile Form.
C. Have three references on file.

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.

Retention in Program

To remain in the Teacher Education Program the student must:

A. Maintain a cumulative grade point average of 2.5 or above.
B. Attend the Prospective Teachers' Seminars.
C. Meet with Advisor(s) each semester.
D. Follow prescribed curriculum guides for (1) an education major/minor and if appropriate (2) the chosen academic concentration.
E. Earn a minimum grade of "C" in each Professional and Specialty Area Education course

A student who fails to maintain the requirements stated above becomes inactive in the Teacher Education Program and may not continue as a Prospective Teacher until he/she applies to and is accepted for reinstatement in the Program.

Prerequisites for Student Teaching

In order to qualify for student teaching, a student must:

A. Be accepted in the Teacher Education Program
B. Receive at least a "C" in all Professional and Specialty Area Education courses
C. Achieve senior classification
D. Have a minimum overall cumulative grade point average of 2.5 on a scale of 4.0
E. Complete all General Education courses and all required education courses except student teaching
F. Submit an application and be accepted for student teaching one semester prior to the student teaching semester on or before dates announced by the Office of Teacher Education
G. Fulfill the Early Field Experience requirements
H. Remove all deficiencies, if any, by the established deadline
I. Complete teacher placement records
J. The specialty area of the PRAXIS, if appropriate, should be taken before graduation. The student must make the acceptable North Carolina cut-off score prior to applying for the teaching license
K. Complete the Academic Concentration requirements prior to Student Teaching
L. Meet the established criteria for all Electronic Evidences

Note: Prospective student teachers may request a particular county; however, the final placement will be determined by the Office of Teacher Education. Also, when possible, the student teaching site will be within a 40-mile radius of Elizabeth City.

Requirements for Exit

Each student must satisfy the following requirements to complete the Teacher Education Program:

A. Complete remaining major and professional courses, including student teaching. Maintain a cumulative grade point average of 2.5.
B. Attend all student teaching seminars as scheduled.
C. Complete all required records.
D. Remove any academic deficiencies.
E. Interview with university supervisor(s), cooperating teacher, and/or Director of Teacher Education.
F. Present the Electronic Portfolio with an overall assessment of Acceptable.

Electronic Portfolio Requirements

The Teacher Education Program requires that candidates use a Web-based subscription that allows users to create and submit projects and assignments online. It allows the creation and long-term storage of electronic portfolios, projects, lesson plans and documents. Collaboration between faculty and students within the Electronic Portfolio allows faculty to assess student work anywhere, and anytime giving valuable feedback. As a tool for the prospective teacher, it can be valuable in marketing their educational career.

As a prospective teacher, students are required to develop an Electronic Portfolio that will demonstrate their growth in professional competencies and that will provide them with opportunities to self-assess and reflect upon their own work. All Education Majors/Minors Degree-Seeking, Certification or Licensure Only are required to purchase the Internet Access Code from the ECSU Bookstore or online at livetext.com in order to begin the required Electronic Portfolio, which is a major part of the Teacher Education Exit Interview. REQUIREMENTS FOR LICENSURE

Graduates wishing to be licensed initially must have completed and have the following forms on file in the Office of Teacher Education:

1. An official copy of his/her transcript with an acceptable grade in Student Teaching;
2. Directed Student Teaching Observation Form;
3. Form submitted by the LEA (public school) to the Office of Teacher Education. (Please note that this form is filled out exclusively by the Local Education Agency with collaborative assessments from the cooperating teacher and superintendent's designee.) This form must reflect that the Student Teaching experience was successful;
4. A copy of Praxis II passing score, if applicable; and
5. Pay the fee required by the North Carolina Department of Public Instruction for issuance of a teaching license.

Requirements for Licensure

Program completers wishing to be licensed initially must have completed and have on file in the Office of Teacher Education the following forms:

A. An official copy of his/her transcript with an acceptable grade in Student Teaching;
B. Directed Student Teaching Observation Form;
C. Form submitted by the LEA (public school) to the Office of Teacher Education. (Please note that this form is filled out exclusively by the Local Education Agency with collaborative assessments from the cooperating teacher and superintendent's designee.) This form must reflect that the Student Teaching experience was successful;
D. A copy of Praxis II passing score, if applicable; and
E. The fee required by the North Carolina Department of Public Instruction for issuance of a teaching license.

Licensure Only or Renewal

Students who hold a bachelor's degree and wish to become (a) licensed in their current discipline area or another area, (b) licensed teachers from other states seeking North Carolina licensure, and (c) teachers seeking license renewal should meet with the Director in the Office of Teacher Education, or designee, for an evaluation of their present college credits to determine individual teacher licensure requirements and to complete a form outlining the program of courses/credits needed.

In all cases, persons will be required to have the equivalent of at least a minor in the academic discipline area in which licensure is being sought. Each discipline will affirm whether the candidate possesses at least a minor in the academic discipline program of study. Additionally, the person must satisfy, by course or equivalents, the requirements of the professional education sequence at the level for which licensure is being sought.

Candidates for admission to the Teacher Education Program, who already hold a baccalaureate degree, are exempt from the State Board of Education requirement for PRAXIS I (PPST)/CBT on the assumption that completion of baccalaureate studies provides evidence of adequate mastery of general knowledge and communication skills measured by the PRAXIS Series. Elizabeth City State University will require those students who already hold a baccalaureate degree to have a minimum GPA of 2.5 from the institution conferring the degree in order to be admitted into the Teacher Education Program. In addition, these students will be required to interview with advisors from the major department and teacher education faculty. Licensure-only students having less than a 2.5 cumulative average from their graduating institution must carry at least 12 semester hours at ECSU, equaling full-time status. The courses they take must represent some of the options listed below:

A. May be courses in academic concentration;
B. May be courses of remediation;
C. May be enrichment; or
D. May be to update major requirements for teaching area.

Curriculum Materials Center

The Curriculum Materials Center, located in Griffin Hall, provides a wide variety of books and instructional materials in the academic teacher education areas and at levels ranging from pre-primer through high school. Included are selected textbook series, supplementary materials for children and youth, curriculum guides and courses of study from local schools where student teachers perform their supervised teaching. Materials for lesson plans, unit development, exercises, testing, instructional aids, and teaching strategies are also available, as are reference books pertaining to children's literature, instructional media, posters, art principles, recordings, and manipulatives for hands-on experiences.

Instructional Technology Computer Lab

The Instructional Technology Computer Lab in Griffin Hall is designed for teaching, learning] and research. It houses 20 networked PC multimedia computers with T-1 Internet access, two scanners, two principles, and the latest Microsoft Office Suite Including Word, PowerPoint, Excel, Access, and Publisher. It has Interactive Video Conference capabilities providing distance learning opportunities for high school students, in-service teachers and pre-service teachers. This technology learning environment allows students and faculty to utilize the technology equipment/software for presentations, interactive video conferencing, research, blogging, e-mail communication, PRAXIS I preparation, principles and document imaging.

Office of School Services

The Office of School Services is the coordinating agent established to improve communication between public schools and the university and to facilirate service activities. This office seeks opportunities to provide service and responds to requests that allow Elizabeth City State University personnel to interact with students, parents, teachers, administrators, and school board members.

Services provided include: public school visitations, workshops and ongoing professional development, and collaboration with schools and districts. Special emphasis is placed on coordinating field/school-site placements for Field Experiences and the culminating clinical/student teaching experience.

University-Schools Teacher Education Partnership (U-Step)

U-STEP is designed to unite the education system to the public school system. In this collaboration, the University and the public school system 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. The current partnership is between the School of Education and Psychology at ECSU and the following school systems: Camden, Currituck, Dare, Gates, Halifax, Pasquotank, and Perquimans County.

ECSU Teacher Preparation Partnership Program

Elizabeth City State University is committed to the partnerships that have been established with Halifax Community College (Weldon, NC) and College of The Albemarle (Elizabeth City and Manteo, NC) that are within the university's service region. This collaborative initiative has been a significant step toward producing "homegrown" teachers to meet the demand needed for classrooms in North Carolina. The university has established seamless articulation agreements with these community colleges for programs of study in elementary education. Additional partnerships have been established through Martin Community College (Williamston, NC) and Roanoke- Chowan Community College (Ahoskie, NC). ECSU has also established rhe Lateral Entry Certificate Program Articulation Agreement between College of The Albemarle, Halifax Community College, Martin Community College and Roanoke-Chowan Community College for prospective lateral entry education students.

College of The Albemarle

The school districts in rhe county service area (Camden, Chowan, Currituck, Dare, Gates, Pasquotank, and Perquimans) have joined forces with COA and ECSU to ensure that teacher assistants and prospective education students attending College of The Albemarle during their freshman and sophomore years in the Associate in Arts 2+2 Elementary Education Program follow the COA/ECSU Articulation Agreement for Elementary Education. COA students may also elect to follow the COA/ECSU Articulation Agreement for Early Childhood Education/Birth Through Kindergarten.

Halifax Community College

All four public school systems in the Roanoke Valley including Halifax County Schools, Roanoke Rapids Schools, Weldon City Schools, and Northampton County Schools have joined forces with HCC and ECSU to ensure that teacher assistants and prospective education students attending Halifax Community College during their freshman and sophomore years in the Associate in Arts 2+2 Elementary Education Program follow the HCC/ECSU Articulation Agreement for Elementary Education.

Martin Community College Roanoke-Chowan Community College

Martin Community College's service area includes Bertie, Martin and Washington counties also in the ECSU service area. Roanoke-Chowan Community College's service area includes Hertford County.

Once partnership students have transitioned to ECSU, they are provided with a set of coursework and services offered through ECSU. ECSU courses are taught evenings at HCC-Weldon, NC, and COA-Manteo, NC, fall and spring semesters and evenings/weekends during summer sessions.

Wachovia Teacher Preparation Partnership Program Scholarship, established by Wachovia Bank, funds prospective teachers in North Carolina for our 2+2 Elementary Educarion candidares.

Department of Education

Faculty and staff in the Department of Education are committed to the mission of preparing competent practitioners who facilitate learning. The conceptual framework, Professional Educator as Decision Maker, 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 reflective practitioners, advocators of diversity, effective facilitators, critical thinkers, proficient technology users, and competent evaluators who are capable of meeting the diverse needs of all learners. Candidates receive 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 Department of Education offers programs leading to licensure and a Bachelor of Science in Education degree majors in the following areas:

- Elemenrary Education (Grades K-6)
- Middle Grades (Grades 6-9)
- Birth through Kindergarten
- Special Educarion General Curriculum (Grades K-12)

Candidates majoring in Elementary Education are required to select an academic concentration from the list below:

Approved Academic Concentration Options:

1. Art
2. Biology
3. English
4. General Science
5. Mathematics
6. Social Sciences
7. Music
8. Psychology
9. Spanish

Birth through Kindergarten

Overview

The Birth through Kindergarten program prepares exemplary teachers of young children for public and/or private settings. Candidares in this program observe and work with infants, toddlers and preschool, and kindergarten children. 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. Successful completion of rhis program will qualify students to apply to the State of North Carolina for an initial teacher license in Birth through Kindergarten.

Program Goals and Objectives

1. Candidates will acquire knowledge of the cognitive, physical, cultural, social, and emotional needs of young children and their families.
2. Candidates will demonstrate a comprehensive understanding of the development and implementation of instructional programs for young children.
3. Candidates will demonstrare the ability to collaborate with students, families, and school and community personnel in designing and implementing programs for young children.
4. Candidates will demonstrate professionalism in their interactions with faculty and school personnel and, as a part of their preparation program, engage in professional activities.

MAJOR: B.S.Ed. Degree in Birth through Kindergarten (BK)

A. General Education Requirements		**46**
GE 122	Freshman Seminar	1
GE 102	English Composition & Grammar	3
GE 103	English Composition & Vocabulary	3
GE 201	World Literature	3
SPAN 101	Elementary Spanish	3
SPCH 214	College Speech	2
GE 130 or GE 135	Art Appreciation or Introduction to Mus. Lit.	2
GE 140	World Civilization I	3
GE 141	World Civilization II	3
SOC 202	Social Problems	3
GLBS 300	Introduction to Global Studies	3
MATH 121	Number Systems and Algebra	3
MATH 122	Geometry and Data Analysis	3
GE 152/L or GE 155/L	Principles of Physical Science/Lab or Principles of Biological Science/Lab	4
EDUC 203	Introduction to Computer Instruction Technology	3
GE 185	Health Concepts	2
PE	Elective(s)	2
B. Specialty Area Core Requirements		**43**
BKED 201	Introduction to Birth-Kindergarten Education	1
BKED 301	Child Growth and Development I	3
BKED 302	Child Growth and Development II	3
BKED 325	Infant & Toddler Curriculum Development	3
BKED 330	Education Assessment of Infants, Toddlers, & Preschoolers	3
BKED 335	Communication & Collab. in Schools & Communication	3
BKED 420	Preschool Curriculum Development	3
BKED 454	Inclusive Preschool Environments	3
BKED 460	Issues & Trends in Early Child. Education	3
BKED 470	Kindergarten Curriculum & Methods	3
BKED 475	Autism Spectrum & Related Behavior Disorders	3
SPED 370	Introduction to Positive Behavior Support	3
BKED or ELEM	Approved Elective	3
BKED or ELEM	Approved Elective	3
SPED or ELEM	Approved Elective	3

C. Professional Education Courses		35-39
EDUC 190	Pre-Professional Studies (elective)	2
EDUC 200	Pre-Professional Studies II (elective)	2
EDUC 210	PSI: Introduction to Education	3
EDUC 250	Introduction to Reading	3
EDUC 310	PSII: Introduction to Spec. Ed & Diverse Lear.	3
EDUC 360	PSIII: Teaching and Assessment	3
EDUC 460	PS V: Portfolio Development	3
EDUC 478	Seminar	P/F
BKED 490	Obs. & Supervised Teaching in BK Ed	12
HLTH 367	Health and First Aid	2
HLTH 369	Principles of Nutrition	3
BFIN 210 or ECON 201	Personal Financial Management or Principles of Economics I	3
Total Semester Hours Required for Degree.		**124-127**

Curriculum Guide for Majors in Birth Through Kindergarten (BK)

First Semester

Course and number		Semester hrs
GE 102	English Composition and Grammar	3
MATH 121	Num. Syst. & Algebra	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE 152/L	Principles of Phys. Science/Lab or	
GE 155/L	Principles of Biol. Science/Lab	4
SPCH 214	College Speech	2
		16

Second Semester

EDUC 190	Pre-Professional Studies I (elective)	2
GE 103	English Composition and Vocabulary	3
SPAN 101	Spanish I	3
GE 141	World Civilization II	3
GE 130	Art Appreciation or	2
GE 135	Music Literature	
GE	Physical Ed. Activity	1
MATH 122	Geometry and Data Analysis	3
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE	Physical Education	1
BKED 301	Child Growth and Development I	3
EDUC 203	Introduction to Computer Instrl. Tech.	3
GE 201	World Literature	3
EDUC 200	Pre-Professional Studies II (elective)	2
GE 185	Health Concepts	2
EDUC 210	PSI: Introduction to Education	3
BKED 201	Introduction to Birth-Kindergarten Education	1
		18

Second Semester

BFIN 210 or ECON 201	Personal Finance Management or Principles of Economics I	3
EDUC 250	Introduction to Reading	3
HLTH 369	Principles of Nutrition	3
EDUC 310	PSII: Introduction to Spec. Ed & Diverse Learners	3
HLTH 367	Health & First Aid	2
BKED 302	Child Growth & Development	3
		17

Junior Year

First Semester

Course and number		Semester hrs
BKED 325	Infant and Toddler Development	3
BKED 330	Educational Assessment of Infants, Toddlers, and Preschoolers	3
BKED 335	Communication and Collaboration in Schools and Communities	3
SPED 370	Introduction to Positive Behavior Support	3
EDUC 360	PS III: Teaching & Assessment	3
		15

Second Semester

GLBS 300	Introduction to Global Studies	3
BKED or ELEM	Approved Elective	3
BKED or ELEM	Approved Elective	3
SOC 202	Social Problems	3
BKED 420	Preschool Curriculum Development	3
BKED 454	Inclusive Preschool Environments	3
		18

Senior Year

First Semester

Course and number		Semester hrs
EDUC 460	PS B: Portfolio Development	3
SPED or ELEM	Approved Elective	3
BKED 460	Issues and Trends in Early Childhood Education	3
BKED 470	Kindergarten Curriculum and Methods	3
BKED 475	Autism Spectrum and Related Behavior Disorders	3
		15

Second Semester

EDUC 490	Student Teaching	12
EDUC 478	Seminar	P/F
		12
Total Semester Hours Required for Degree		**124-127**

Licensure-Only Requirements

		42
EDUC 210	PSI: Introduction to Education	3
EDUC 310	PSII: Introduction to Spec. Ed & Diverse Learners	3
EDUC 460	PS V: Portfolio Development	3
BKED 301	Child Growth and Development I	3
BKED 302	Child Growth and Development II	3
BKED 325	Infant and Toddler Curriculum Development	3
BKED 330	Education Assess. of Infants, Toddlers, and Preschoolers	3
BKED 420	Preschool Curriculum Development	3
BKED 454	Inclusive Preschool Environments	3
BKED 470	Kindergarten Curriculum And Methods	3
EDUC 478	Seminar	P/F
BKED 490	Obs. and Supervised Teaching in Birth-Kindergarten Ed	3

Lateral Entry Requirements

		30
EDUC 210	PSI: Introduction to Education	3
EDUC 310	PSII: Introduction to Spec. Ed & Diverse Learners	3
EDUC 460	PS V: Portfolio Development	3
BKED 301	Child Growth and Development I	3
BKED 302	Child Growth and Development II	3
BKED 325	Infant and Toddler Curriculum Development	3

BKED 330	Education Assess. of Infants, Toddlers, and Preschoolers	3
BKED 420	Preschool Curriculum Development	3
BKED 454	Inclusive Preschool Environments	3
BKED 470	Kindergarten Curriculum and Methods	3

For those candidates seeking an add-on license, please see the program coordinator for an individualized plan.

Special Education General Curriculum (K-12)

Overview

The School of Education and Psychology offers a program leading to the Bachelor of Science with a major in Special Education: General Curriculum, and initial North Carolina Licensure in Special Education: General Curriculum. This rigorous program of study is designed to provide the opportunities and experiences that candidates need to be effective teachers of students with disabilities, in diverse settings in public, private or clinical settings. The program will be useful to pre-service or in-service special educators or general education teachers concerned with the instruction of students in inclusive settings. Coursework is based on the most current research available on teaching methods and transition known to be effective for all learners and their families. 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:

1. To 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. To ensure that all candidates become effective facilitators, critical thinkers, advocators of diversity, reflective practitioners, proficient technology users, and competent evaluators.
3. To comply with the guidelines, standards, competencies, policies, etc., established by the National Council for Accreditation of Teacher Education (NCATE), the Interstate New Teacher Assessment and Support Consortium (INTASC), , and the North Carolina Department of Public Instruction (NCDPI).

Objectives

Graduates of the program will be prepared to:

- To provide explicit, systematic, and multi-sensory instruction to students with special educational needs;
- To conduct meaningful assessment of student learning through formal and informal measures, including standardized evaluation measures, curriculum-based assessment, curriculum-based measurement, continuous progress monitoring, and error analysis;
- To establish supportive relationships with students with special needs and their families that lead to positive outcomes; and
- To assist students with special needs to successfully self-advocate and transition to productive adulthood and citizenship.
- A minimum of 124 semester hours is required to complete the Program.

North Carolina Department of Public Instruction Standards

The Program in Special Education: General Curriculum (K-12) is designed to prepare candidates to meet the following standards:

1. Special Education candidates know the policies process, and procedures for providing special education services.
2. Special Education candidates have the knowledge and skills to use a variety of assessment techniques to plan and implement instruction, monitor student progress, and document learning.
3. Special Education candidates have a broad working knowledge of research-validated instructional and behavioral strategies to facilitate learning across the curriculum for K-12 students.
4. Special Education candidates have the knowledge and skills to use systematic, explicit, multi-sensory methods to teach communication skills, reading, written expression, and mathematics.
5. Special Education candidates have the knowledge and skills to teach students to use behaviors that promote success in the learning environment, which include the development of social competence.
6. Special Education candidates collaborate and consult with families, general education teachers and other professionals to further the academic and social development of students.

MAJOR: B.S.Ed. Degree in Special Education – General Curriculum

A. General Education Requirements		**46-48**
B. Professional Core Requirements		**21**
EDUC 210	Professional Studies I: Introduction to Education	3
EDUC 250	Introduction to Reading	3
EDUC 310	Prof St II: Spec. Ed. & Diverse Learn.	3
EDUC 350	Intermediate and Content Reading	3
EDUC 360	Prof St III: Teaching & Assessment	3
EDUC 473	Student Teaching	12
EDUC 478	Seminar in Cont. Educational Issues	P/F
C. Specialty Area Core Requirements		**33**
SPED 300	Assessing & Teaching Beginning Reading	2
SPED 301	Reading Practicum	2
SPED 334	Assessment	3
SPED 346	Introduction to Special Education	3
SPED 370	Introduction to Positive Behavior Support	3
SPED 390	Social Studies Meth in Inclusive	3

	Classroom or	
SPED 395	Science Meth in Inclusive Classroom	
SPED 400	Methods of Assessing & Teaching Writing	2
SPED 430	Assess. & Teach. Math to Div. Learners	2
SPED 431	Mathematics Practicum	2
SPED 450	Implementing Pos. Behavior Support	2
SPED 460	Methods of Management & Organization	2
SPED 461	Advanced Practicum: Secondary Schools	2
SPED 465	Advocacy and Collaboration	2
D. Recommended Electives		**23-25**
SPED 340	Introduction to LD	3
ENGL 319	Children's Literature	3
EDUC 225	Explorations in Mathematics	3
EDUC 410	Instructional Leadership and Methods	3
EDUC 460	Electronic Evidences, Academic or Education Concentration	11-13
Total Semester Hours Required for Degree.		**124-128**

** Students are required to develop, with the assistance and approval of their advisors, a coherent specialty area plan of study. This plan of study must contribute to the development of the skills, knowledge, and dispositions necessary to be an effective teacher of children and youth with disabilities, and must include rigorous content area learning. The listed courses constitute one such possible plan.*

B.S. Ed. Degree in Special Education General Curriculum (K-12)

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition and Grammar	3
MATH 121	Number Systems and Algebra	3
GE 122T	Freshman Seminar	1
GE 140	World Civilization I	3
GE 152/L	Principles of Phys. Science/Lab OR	
GE 155/L	Principles of Biol. Science/Lab	4
GE	Fine Arts/Communication	2
		16

Second Semester

EDUC 190	Pre-Professional Studies I (Elective)	2
GE 103	English Composition and Vocabulary	3
GE 141	World Civilization II	3
SPCH 214	Introduction to College Speech	2
GE 185	Health Concepts	2
GE	Physical Ed. Activity	1
*MATH 122	Geometry and Data Analysis	3
		16

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
EDUC 203	Introduction to Composition Instruct Tech	3
EDUC 210	PSI: Introduction to Education	3
SPPA 250	Sign Language I	3
PSY 212	General Psychology	3
EDUC 200	Pre-Professional Studies II (elective)	2
		18

Second Semester

POLS 301/Hist	American Government/US History	3
255/HIST 256		
EDUC 250	Introduction to Reading	3
EDUC 310	PSII: Introduction to Spec. Ed & Diverse Learners	3
	Elective/Concentration	6
GE	Physical Activity	1
		16

Junior Year

First Semester

Course and number		Semester hrs
SPED 300	Methods of Management and Organization	2
SPED 334	Assessment	3
SPED 301	Reading Practicum	2
SPED 370	Introduction to Positive Behavior Support	3
	Elective/ Concentration	6
		16

Second Semester

SPED 450	Implementing PBS	3
EDUC 350	Intermediate & Content Reading	3
EDUC 360	PS III: Teaching & Assessment	3
SPED 395	Science Methods in the Inclusive Classroom or	3
SPED 390	Social Studies Methods in the Inclusive Classroom	
SPED 430	Assessing and Teaching Math to Diverse Learners	2
SPED 431	Mathematics Practicum	2
		16

Senior Year

First Semester

Course and number		Semester hrs
	Elective/Concentration Hours	6
SPED 460	Methods of Management and Organization	2
SPED 461	Advanced Practicum: Secondary Schools	2
SPED 400	Methods of Assessing and Teaching Writing	2
SPED 465	Advocacy & Collaboration	2
EDUC 460	Portfolio Development	3
		17

Second Semester

SPED 473	Clinical Practice	12
EDUC 478	Seminar in Cont. Ed. Issues	P/F
		12

Total Semester Hours Required for Degree **124-126**

** Students who have passed PRAXIS I Mathematics may choose to take any sequence of Mathematics and Science courses that meets the ECSU General Education requirements.*

Lateral Entry/Licensure Only, Special Education General Curriculum K-12 General Curriculum Course Requirements

A. Professional Core Requirements		**21**
EDUC 210	Prof St I: Introduction to Education	3
EDUC 310	Prof St II: Spec Ed & Div Learners	3
EDUC 360	Prof St III: Teaching & Assessment	3
EDUC 473	Student Teaching	12*
EDUC 478	Seminar in Contemporary Ed. Issues	P/F*
B. Specialty Area Course Requirements		**22**
SPED 300	Assessing & Tch Beginning Reading	2
SPED 301	Reading Practicum	2
SPED 334	Assessment	3

SPED 370	Introduction to Positive Behavior Support	3
SPED 430	Assess. & Tch. Math to Div. Learners	2
SPED 431	Mathematics Practicum	2
SPED 450	Implementing Pos. Behavior Support	2
SPED 460	Methods of Management & Organization	2
SPED 461	Advanced Practicum: Secondary Schools	2
SPED 465	Advocacy and Collaboration	2
Total Semester Hours Required for Licensure Only		**43**
Total Semester Hours Required for Lateral Entry		**31**

** Not required for Lateral Entry*

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 124 semester hours is required to complete the program and majors are required to select and complete an academic concentration. After successfully completing the program and meeting the required PRAXIS II 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:

1. To prepare e elementary teacher candidates to develop and implement meaningful instructional plans that meet the needs of diverse 21st Century learners.
2. To assist candidates to develop the in-depth content knowledge needed to become effective teachers.
3. To prepare candidates to utilize student data to inform instructional decision-making.

Objectives

The Program in Elementary Education is designed to ensure that:

1. 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.
2. 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.
3. 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.
4. Elementary grades teacher candidates have the necessary knowledge specific for producing knowledgeable, global citizens who are critical thinkers in a democratic society.
5. Elementary grades teacher candidates have the knowledge and understanding of mental, emotional, physical, and social health to empower students to make healthy lifestyle choices.
6. Elementary grades teacher candidates integrate the arts throughout the curriculum.

MAJOR: B.S.Ed. Degree in Elementary Education K–6

A General Education Core*		**46**
B Specialty Area Course Requirements		**24**
EDUC 202	Music and Art in the Classroom	2
PE 363	Group Games and Rhythms*	1
ENGL 319	Children's Literature	3
HLTH 373	Health in the Elementary School	2
GE 152/L or GE 158/L	Physical Science/Lab or Earth Science /Lab	4
ELEM 300	Reading and Language Arts	3
ELEM 390	Soc. Studies Met. In the Incl. Class	3
ELEM 395	Science Meth In the Inclusive Class	3
ELEM 430	Math Meth. In the Inclusive Class	3
C Professional Core Courses		**39**
EDUC 210	Profess. Stud. I: Introduction To Education	3
EDUC 225	Explorations in Mathematics	3
EDUC 203	Introduction to Composition & Instruc. Technology	3
EDUC 250	Introduction to Reading	3
EDUC 310	Prof. St. II: Special Ed & Div. Learners	3
EDUC 350	Intermediate and Content Reading	3
EDUC 360	Prof. St. III: Teaching and Assessment	3
EDUC 410	Prof. St. IV: Instruct. Meth. & Lead.	3
EDUC 438	Seminar in Comtemp. Education Issues	3
EDUC 499	Clinical Practice	12
D Academic Concentration Minimum		**18**
Total Minimum Hours Required for Degree.		**124**

**See your advisor for specific General Education course requirements.*

Curriculum Guide for Majors in Elementary Education K–6

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition and Grammar	3
MATH 121	Number Systems and Algebra	3
GE 122T	Freshman Seminar	1
GE 140	World Civilization I	3
GE 155/L	Biology/Lab	4
GE	Fine Arts and Communication	2
		16

Second Semester

GE 103	English Composition and Vocabulary	3
GE 141	World Civilization II	3
GE 142	Introduction to Geography	3
EDUC 190	Pre-Professional Studies I (elective)	2
SPCH 214	Introduction to College Speech	2
MATH 122	Geometry and Data Analysis	3
		16

Sophomore Year

First Semester

Course and number		Semester hrs
EDUC 200	Pre-Professional Studies II (elective)	2
EDUC 210	PS I: Introduction to Education	3
EDUC 203	Introduction to Composition Inst. Tech	3
GE 201	World Lit I	3
GE 185	Health Concepts	2
EDUC 225	Explorations in Mathematics	3
GE	Physical Education	1
		17

Second Semester

PE 363	Group Games and Rythms	1
EDUC 250	Introduction to Reading	3
EDUC 202	Music and Art in Classroom	2
SPAN 101	Spanish I	3
PSY 212	Introduction to Psychology	3
	Academic Concentration	3
		15

Junior Year

First Semester

Course and number		Semester hrs
ELEM 300	Reading and Language Arts	3
ENGL 319	Children's Literature	3
EDUC 310	PS II: Special Ed & Div. Learners	3
SPED 370	Introduction to Positive Behavior Support	3
HLTH 373	Health in the Elementary School	2
	*Academic Concentration	3
		17

Second Semester

EDUC 350	Intermediate & Content Reading	3
EDUC 360	PS III: Teaching & Assessment	3
ELEM 395	Science Meth. in the Inclusive Class	3
ELEM 390	Soc. Stud. Meth in the Inclusive Class	3
	Academic Concentration	6
		18

Senior Year

First Semester

EDUC 410	PS IV: Instructional Meth & Leadership	3
ELEM 430	Mathematics Methods in the Inclusive Classroom	3
	Academic Concentration	6
SPED 450	Implementing Positive Behavior Support	3
		15

Second Semester

EDUC 433	Clinical Practice	12
EDUC 438	Seminar in Cont. Education Issues	P/F
		12

Total Requirements for the Degree. **124-127**

** Total of at least 18-24 semester hours required for Academic Concentration.*

*** Must be taken the semester before student teaching.*

**** Optional with pass Praxis I.*

***** Optional with pass Praxis II.*

Licensure-Only Students Elementary Education K–6

Transcript will be required for review.

A. Specialty Area Course Requirements		**20**
EDUC 202	Music and Art in the Classroom	2
PE 363	Group Games and Rhythms	1
ENGL 319	Children's Literature	3
HLTH 373	Health in the Elementary School	2
ELEM 300	Reading and Language Arts	3
ELEM 390	Soc. Stud. Meth. in the Inclusive Class	3
ELEM 395	Science Meth. in the Inclusive Class	3
ELEM 430	Math Meth. in the Inclusive Class	3
B. Professional Core Courses		**33**
EDUC 210	Prof. St. I: Introduction to Education	3
EDUC 250	Introduction to Reading	3
EDUC 310	Prof. St. II: Spec. Ed & Div. Learners	3
EDUC 350	Intermediate and Content Reading	3
EDUC 360	Prof. St. III: Teaching & Assessment	3
EDUC 410	Prof. St. IV: Instruct. Meth. & Lead.	3
EDUC 438	Seminar in Contemp. Education Issues	3
EDUC 499	Clinical Practice	12
Total Semester Hours Required for Licensure		**53**

Lateral Entry/Licensure-Only Students, Elementary Education K-6 Curriculum Guide

A. Professional Core Courses		**33**
EDUC 210	Prof. St. I: Introduction to Education	3
EDUC 250	Introduction to Reading	3
EDUC 310	Prof. St. II: Spec. Ed & Div. Learners	3
EDUC 350	Intermediate and Content Reading	3
EDUC 360	Prof. St. III: Teaching and Assessment	3
EDUC 410	Prof. St. IV: Instruct. Meth & Lead.	3
B. Specialty Area Course Requirements		**20**
EDUC 202	Music and Art in the Classroom	2
PE 363	Group Games and Rhythms	1
ENGL 319	Children's Literature	3
HLTH 373	Health in the Elementary School	2
ELEM 300	Reading and Language Arts	3
ELEM 390	Soc. Stud. Meth. In the Inclusive Class	3
ELEM 395	Science Meth. In the Inclusive Class	3
ELEM 430	Mathematics Meth. In the Inclusive Class	3

Academic Concentration Secondary

Required Courses for Academic Concentration

Listed below are the required courses for each academic concentration:

Art

ART 100	Foundations of Art	3
ART 110	Color and Design	3
ART 102	Drawing I	3
ART 220	Painting I	
OR		
ART 340	Photography I	3
ART 230	Sculpture I	
OR		
ART 350	Ceramics I	3
ARTH	Art History Elective	3
ARTH	Art History Elective	3
	Art Elective	3
	Art Elective	3

Biology

BIOL 202	General Physiology	3
BIOL 301	General Ecology	3
BIOL 341	Microbiology/Lab	4
BIOL 380	Cell Biology	3
BIOL 210	Genetics	3

English

ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
ENGL 302	English Literature II	3
ENGL 305	American Literature I	3

ENGL 306	American Literature II	3
ENGL 317	Advanced Composition	3
ENGL 327	*History of the Eng. Lang.	3
ENGL 430	The English Novel	3

General Science

GE 158/L	Principle of Geol. Science/Lab	4
ENSC 101/L	General Environ. I Science/Lab	4
CHEM 101/L	General Chemistry/Lab	4
CHEM 102/L	General Chemistry II/Lab	4
BIOL 301/L	General Zoology/Lab	4
BIOL 350	Introduction to Experimental Methods	2

Mathematics

MATH 157	Calculus & Analytic Geometry I	3
MATH 158	Calculus & Analytic Geometry II	3
MATH 256	Calculus & Analytic Geometry III	3
MATH 257	Calculus & Analytic Geometry IV	3
MATH 351	Modern Geometry I	3
MATA 262	Discrete Methods	3
MATA 462	Math Modeling	3
	*Mathematics Elective	3

Music

MUS 103	Aural Skills I	1
MUS 104	Aural Skills II	1
MUS 108	Music Theory I	2
MUS 109	Music Theory II	2
MUS 203	Aural Skills III	1
MUS 208	Music Theory III	2
MUS 305	** Music History I	3
MUS 306	Music History II	3
MUS 338	Conducting	1
MUSA	Principle Instrument Instr.	4
MUS	Ensemble	2
	Music Electives	5

Psychology

PSY 212	General Psychology	3
PSY 250	Developmental Psychology	3
PSY 300	Statistics and Research Design	3
PSY 311	Psycho. Tests & Measurements	3
PSY 350	Experimental Psychology	3
PSY 400	Sensation & Perception	3
PSY 450	Learning & Cognition	3
PSY 490	Sen. Seminar in Psychology	3

Social Sciences

HIST 250	African-American History	3
HIST 255	American History to 1877	3
HIST 256	American History Since 1877	3
POLS 304	State and Local Government	3
SOC 201	Introduction to Sociology	3
ECON 201	Principles of Economics	3
AND choose 2 courses from below:		
POLS 303	Political Theory	
OR		
POLS 305	Political Theory II	3
SOC 202	Social Problems or	
SOC 305	Sociology of the African-American or	
SOC 360	Social Psychology	3
GEOG 201	World Geography	3

Mathematics Concentration for Elementary Education

GE 115	College Algebra	3
GE 118	Pre Calculus	3
STAT 251	Basic Statistics	3
MATH 153	Differential and Integral Calculus for Non-Science Majors	
OR		
MATH 454	History of Mathematics	3
AND one additional course chosen from among the following:		
STAT 252	Applied Statistics	3
CSC 115	Computer Science I or	
CSC 214	Fortran Programming	3
MATH 350	Number Theory	3
MATH 352	College Geometry I	3

** Alternate courses within the discipline or tangent areas (News Media, Speech Pathology or Drama) will be accepted for individuals seeking some courses (9 semester hours) reflecting specialized interests.*

*** Substitute for GE 135 Introduction to Music Literature*

**** PSY 212 General Psychology is part of General Studies requirements for all teaching majors*

IMPORTANT ANNOUNCEMENT: The Professional Education Sequence for the Minor in Secondary Education was under revision at the time this catalog went to press. Those students wishing to pursue a degree in this area must see their advisors to ensure that they are meeting the current North Carolina requirements for a teaching license.

Professional Education Sequence Minor in Secondary Education

Please note that this minor was undergoing revisions at the time the catalog went to press. Please see your advisor for complete information. Students preparing to teach in secondary schools (9–12) will complete a major in one or more of the basic academic disciplines other than Education and pursue a minor in Secondary Education. Curriculum check sheets, available from advisors and chairpersons of the Academic Departments, will provide the programs of study. The requirements for the secondary teaching license are outlined as follows:

MINOR: Secondary Education

A. Core Requirement		**27 Minimum**
EDUC 210	Prof. St. I: Introduction to Education	3
EDUC 310	Prof. St. II: Special Ed & Div. Learners	3
EDUC 360	Prof. St. III: Teaching & Assessment	3
EDUC	Prof. St. IV: Secondary Methods	3
EDUC 350	Content and Intermediate Reading	3
EDUC	Observation and Supervised Teaching in the Academic Discipline	12
EDUC 478	**Sem. in Contemp. Educat. Issues	P/F
Total Semester Hours Required for Minor		**27**

** Optional to those who pass the PRAXIS II.*

*** Optional unless otherwise stipulated by respective Department.*

Middle Grades Education 6-9

Please note that this program was undergoing revisions at the time the catalog went to press. Please see your advisor for complete information.

Overview

The School of Education and Psychology offers a program leading to the Bachelor of Science degree in Middle Grades Education and initial North Carolina licensure. Candidates majoring in Middle Grades Education are required to select an academic concentration and a

specialization. The program is designed to prepare the competent practitioner who facilitates successful student performance to obtain teacher licensure in four academic areas within the middle grade structure of the public schools of North Carolina. Those areas are Language Arts, Social Science, Mathematics, and Science. Successful completion of these specialty areas fulfills the requirements for the North Carolina Standard Professional Teaching License. Courses and programs are also available for career teachers seeking teacher renewal and for students holding a baccalaureate degree who wish to obtain teacher licensure

Program Goals

The focus of the Middle Grades Education Program at Elizabeth City State University is excellence in preparing candidates to teach in grades 6-9. The program is designed to prepare middle grades candidates to meet both developmental and content area standards that are correlated with the following: North Carolina Standard Course of Study, North Carolina Teacher Education Program Approval Standards, the Core Standards for Teachers developed by the North Carolina Professional Teaching Standards Commission, National Council of Teachers of Mathematics, National Science Teacher's Association, National Council of Teachers of Social Studies, National Middle School Association Teacher Preparation Standards, the Interstate New Teacher Assessment and Support Consortium Standards, the National Boards for Professional Teaching Standards Core Propositions and the Conceptual Framework of the School of Education and Psychology at ECSU.

The goals of the Middle Grades Education Program are as follows:

- To prepare candidates for initial licensure in Middle Grades Education.
- To provide courses for in-service teachers seeking license renewal in Middle Grades Education.
- To meet the middle level teacher needs of local educational agencies in the 21county area.

Objectives

The objectives of the Middle Grades Education Program are aligned with the standards for Middle Grades Education provided by the North Carolina Department of Public Instruction that are designed to empower Middle Level Teachers:

- To understand the theories and research related to young adolescent intellectual, physical, social, emotional, and moral development of young adolescents utilizing this knowledge to establish productive, mutually respectful learning environments that support student development and learning.
- To understand the role of classroom, family, peer group, community and society in young adolescent development and engage students in activities related to their corresponding responsibilities, needs, and growing awareness.
- To understand concepts, Principles, theories and research underlying the philosophical foundations of the responsive middle level programs and schools (e.g. flexible scheduling, common planning periods, advisor/advisee program)
- To demonstrate command of content knowledge by designing, modifying, implementing, and assessing curricula based on the North Carolina Standard Course of Study (NCSCS) and other relevant middle level resources (e.g. national content standards, local content standards).
- To plan interdisciplinary curriculum based on core and elective curricula that are relevant, challenging and exploratory.
- To understand concepts, Principles, theories and research related to working collaboratively with family and community that will enable them to plan instruction that connects subjects to the diverse experiences of all young adolescents.
- To know and use their depth and breadth of content knowledge to maximize student learning through effective content-specific teaching strategies and through interdisciplinary connections between specific knowledge, other areas of the curriculum and their life experiences and interests.
- To understand, value, and integrate literacy skills (i.e. reading, writing, speaking and listening) and technology into all content areas.
- To understand the concepts, principles, theories and research related to effective instruction that will enable them to employ a variety of strategies for a appropriate climate to meet the varying abilities and learning styles of all young adolescents.
- To understand and use formal and informal assessment strategies to evaluate learning and teaching to ensure the continuous intellectual, social and physical development of young adolescents.
- To engage in lifelong learning through continuing education and professional development practices (e.g. consultation with colleagues, professional development activities, and seeking additional resources to enhance competencies).

MAJOR: B.S.Ed. Degree in Middle Grades (6-9)

Major: B.S. Degree in Middle Grades (6-9) Social Science Concentration - Language Arts Specialization

A. General Education Requirements		**46**
GE 102	English Composition & Grammar	3
GE 103	English Composition & Vocabulary	3
MATH 121	Number Systems & Algebra	3
MATH 122	Geometry and Data Analysis	3
GE 122T	Freshman Seminar	1
GE	Fine Arts and Communication	2
GE	Fine Arts and Communication	2
GE 140	World Civilization I	3
GE 141	World Civilization II	3
GE 142	Introduction to Geography	3
GE 152/L	Principles of Physical Science/Lab	4
OR		
GE 155/L	Principles of Biological Science/Lab	4
GE	Physical Education Activity (need 2)	2
GE 185	Health Concepts	2
GE 201	World Literature I	3
GE 202	World Literature II	3
OR		
SPAN 101/102		3
OR		
FREN 101/102		
OR		
SPPA 250 SPPA /252		3
PSY 212	General Psychology	3
EDUC 203	Introduction to Computer Instructional Technology	3
B. Specialty Area Core Requirements		**6**
EDUC 220	Sophomore Seminar	P/F
EDUC 349	Classroom Management	3
EDUC 406	Young Adolescent Learner	3
C. Professional Education Courses		**33**
EDUC 201	Foundations of Education	3
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Teaching Reading in the Content Areas	3
EDUC 400	*Senior Seminar	P/F
EDUC 412	Middle School Methods	3
SPED 346	Introduction to SPED Laws	3
EDUC 479	Multicultural Education	3
EDUC 478	Seminar in Contemporary Issues	P/F
EDUC 437	Obs. Sup. in Student Teaching	12
D. Language Arts Concentration		**18**
ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
ENGL 306	American Literature II	3
ENGL 305	American Literature I	3
ENGL 322	Advanced English Grammar	3
ENGL 336	Adolescent Literature	3
E. Social Science Specialization		**24**
SOC 201	Introduction to Sociology	3
HIST 255	US History to 1877	3
HIST 256	US History Since 1877	3
HIST 376	North Carolina History	3
ECON 201	Economics I	3
GEOG 201	World Geography	3
GLBS 320	World Societies and Culture	3
POLS 304	State and Local Government	3
Total Semester Hours Required for Degree.		**128**

** Optional to those who have passed the PRAXIS II.*

Curriculum Guide Middle Grades Major (6-9) Language Arts Concentration Social Science Specialization

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition and Grammar	3
MATH 121	Number Systems & Algebra	3
GE 122T	Freshman Seminar	1
GE 140	World Civilization I	3
GE 152/L	Principles of Physical Science/Lab	
OR		
GE 155/L	Principles of Bio Science/Lab	4
GE	Physical Ed. Activity	1
		15

Second Semester

GE 103	English Composition and Vocabulary	3
MATH 122	Geometry & Date Analysis	3
GE 141	World Civilization II	3
GE	*Fine Arts & Communication	2
GE 185	Health Concepts	2
GE	Physical Ed Activity	1
EDUC 203	Introduction to Computer Inst. Tech.	3
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE	*Literature and Language	3
EDUC 220	Sophomore Seminar	P/F
HIST 255	US History to 1865	3
GE 142	Introduction to Geography	3
PSY 212	General Psychology	3
SOC 201	Introduction to Sociology	3
		15

Second Semester

EDUC 201	Foundations of Education	3
GE	*Literature and Language	3
HIST 256	US History Since 1865	3
GE	*Fine Arts & Communication	2
ECON 201	Principles of Economics	3
HIST 376	N.C. History	3
		17

Junior Year

First Semester

Course and number		Semester hrs
SPCH 312	Oral Interp. of Literature	3
ENGL 300	Traditional Grammar	3
ENGL 305	American Literature I	3
GEOG 201	World Geography	3
READ 320	Teaching Reading, Content Area	3
ENGL 301	English Literature I	3
		18

Second Semester

PSY 309	Educational Psychology	3
ENGL 306	American Literature II	3
PSY 302	Human Development	3
EDUC 349	Classroom Management	3
ENGL 336	Adolescent Literature	3
EDUC 406	Young Adolescent Learner	3
		18

Senior Year

First Semester

Course and number		Semester hrs
EDUC 400	* Senior Seminar	P/F
EDUC 479	Multicultural Education	3
EDUC 412	Middle School Methods	3
ENGL 322	Advanced Grammar	3
ENGL 425	Shakespeare	3
SPED 346	Introduction to SPED Laws	3
		15

Second Semester

EDUC 437	O&S Student Teaching	12
EDUC 478	Seminar in Contemporary Issues	P/F
		12
Total Semester Hours Required for Degree		**127**

** Optional to those who have passed the PRAXIS II.*

Curriculum Guide Middle Grades Major (6-9), Language Arts Concentration Social Science Specialization Licensure Only

A. Professional Education Requirements		**33**
EDUC 201	Foundations of Education	3
SPED 346	Introduction to SPED	3
(Only Professional Core Course which does not require admission to Teacher Education)		
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Teaching Reading in Content Areas	3
EDUC 400	*Senior Seminar for Education Majors	P/F
EDUC 412	Middle School Methods	3
EDUC 437	Observation and Supervised Teaching in Middle Grades	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
EDUC 479	Multicultural Education	3
B. Specialty Area Core Requirements		**9**
EDUC 349	Classroom Management	3
EDUC 406	Young Adolescent Learner	3
EDUC 203	Introduction to Computer Instructional Technology	3
C. Language Arts Concentration		**24**
ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
ENGL 305	American Literature I	3
ENGL 306	American Literature II	3
ENGL 322	Advanced English Grammar	3
ENGL 336	Adolescent Literature	3
ENGL 425	Shakespeare	3
OR		
ENGL 430	English Novel	
SPCH 312	Oral Interpretation of Literature	3
D. Social Science Specialization		**18**
SOC 201	Introduction to Sociology	3
HIST 255	US History to 1877	3
HIST 256	US History Since 1877	3
HIST 376	North Carolina History	3
ECON 201	Economics I	3
GEOG 201	World Geography	3
Total Semester Hours Required for Licensure		**84**

** Optional to those who pass Praxis II*

MAJOR: B.S.Ed. Degree in Middle Grades (6-9) Mathematics Concentration Science Specialization

A. General Education Requirements		**47**
GE 102	English Composition & Grammar	3
GE 103	English Composition & Vocabulary	3
GE 115	College Algebra	3
GE 122T	Freshman Seminar	1
GE	*Fine Arts and Communications	2
GE	*Fine Arts and Communications	2
GE 140	World Civilization I	3
GE 141	World Civilization II	3
GE 142	Introduction to Geography	3
GE 152/L	Principles of Physical Science/Lab	4
GE 155/L	Principles of Biological Science/Lab	4
GE	Physical Education Activity (need 2)	2
GE 185	Health Concepts	2
GE 201	World Literature I	3
GE 202	World Literature II	3
OR		
SPAN 101/102		3
OR		
FREN 101/102		
OR		
SPPA 250/252		3
PSY 212	General Psychology	3
EDUC 203	Introduction to Computer Inst. Tech	3
B. Specialty Area Core Requirements		**6**
EDUC 220	Sophomore Seminar	P/F
EDUC 349	Classroom Management	3
EDUC 406	Young Adolescent Learner	3
C. Professional Education Courses		**33**
EDUC 201	Foundations of Education	3
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Teaching Reading in the Content Area	3
EDUC 400	*Senior Seminar	P/F
EDUC 412	Middle School Methods	3
SPED 346	Introduction to SPED	3
EDUC 479	Multicultural Education	3
EDUC 478	Seminar in Contemporary Issues	P/F
EDUC 437	Student Teaching	12
D. Mathematics Concentration		**23**
**GE 115	College Algebra (General Studies)	3
GE 118	Pre Calculus	3
MATH 165	Calculus of Single Variable I	4
MATH 265	Calculus of Single Variable II	4
STAT 251	Basic Statistics	3
MATH 351	Linear Algebra	3
MATH 352	College Geometry I	3
MATH	Elective** (MATH 452 History of Mathematics) Recommended	3
E. Science Specialization		**19**
**GE 152/L	Principle of Phy. Science (General Studies)	3
**GE 155/L	Principle of Biol. Science (General Studies)	3
GE 158/L	Principles of Geological Science/Lab	4
CHEM 301/L	General Chemistry/Lab	4
ENSC 101/L	Environmental Science	4
	Elective Strongly Recommended: PHYS 203/L	4
BIOL 302L	General Botany	3-4
OR		
CHEM 102L	General Chemistry II	4
OR		
GEOL 142L	Physical Geology	4
Total Semester Hours Required for Degree		**127-128**

** Optional to those who have passed the PRAXIS II.*

*** MATH 452-History of Math or MATH 353- College Geometry II is recommended*

Curriculum Guide Middle Grades Major (6-9) Mathematics Concentration – Science Specialization

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition and Grammar	3
GE 11S	College Algebra	3
GE 122T	Freshman Seminar	1
GE 140	World Civilization I	3
GE 152/L	Principles of Phys./Lab	4
GE	Physical Ed. Activity	1
		15

Second Semester

GE 103	English Composition and Vocabulary	3
GE 118	Pre Calculus	3
GE	Fine Arts and Communication	2
GE 141	World Civilization II	3
GE 155/L	Principle of Bio/Lab	4
GE	Physical Ed. Activity	1
		16

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
EDUC 220	Sophomore Seminar	P/F
CHEM 101/L	General Chemistry I/Lab	4
GE 142	Introduction to Geography	3
EDUC 203	Introduction to Computer Instr. Tech.	3
MATH 16S	Calculus of a Single Variable I	4
		17

Second Semester

GE 18S	Health Concepts	2
GE	Fine Arts and Communications	2
GE	Language and Literature	3
GE 158/L	Geological Science/Lab	4
MATH 26S	Calculus of Single Variable II	4
EDUC 201	Foundations of Education	3
		18

Junior Year

First Semester

Course and number		Semester hrs
READ 320	Tech. Read. in Content Areas	3
MATH 3S2	College Geometry	3
STAT 2S1	Basic Statistics	3
PSY 212	General Psychology	3
EDUC 349	Classroom Management	3
	Elective Required Science	3
		18

Second Semester

PSY 309	Educational Psychology	3
EDUC 406	Young Adolescent Learner	3
MATH 3S1	Linear Algebra	3
PHYS 203/L	Astronomy	4
PSY 302	Human Development	3
		16

Senior Year

First Semester

Course and number		Semester hrs
EDUC 400	Senior Seminar	P/F
ENSC 101/L	Environmental Science	4
SPED 346	Introduction to SPED Law	3
EDUC 479	Multicultural Education	3
EDUC 412	Middle School Methods	3
	Elective (Math 452 History of Math Recommended	3
		16

Second Semester

EDUC 437	O&S Student Teaching	12
EDUC 478	Seminar in Contemporary Education Issues	P/F
		12

Total Semester Hours Required for Degree **127-128**

** Optional to those who have passed the PRAXIS II.*

*** PHYS 203/L - Astronomy is STRONGLY RECOMMENDED.*

Curriculum Guide Middle Grades Major (6-9) Mathematics Concentration Science Specialization Licensure Only

Professional Education Requirements		**33**
EDUC 201	Foundations of Education	3
SPED 346	Introduction to Special Education Laws	3
(Only Professional Core Course which does not require admission to Teacher Education)		
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Teaching Reading in Content Areas	3
EDUC 400	Senior Seminar for Education Majors	P/F
EDUC 412	Middle School Methods	3
EDUC 437	Observation and Supervised Teaching in Middle Grades	12
EDUC 478	Sem. in Contemporary Educat. Issues	P/F
EDUC 479	Multicultural Education	3
Specialty Area Core Requirements		**9**
EDUC 349	Classroom Management	3
EDUC 406	Adolescent Learner	3
EDUC 203	Introduction to Composition Instructional Technology	3
Mathematics Concentration		**26**
GE 115	College Algebra	3
GE 118	Pre Calculus	3
MATH 165	Calculus of a Single Variable I	4
MATH 265	Calculus of a Single Variable II	4
STAT 251	Basic Statistics I	3
MATH 351	Linear Algebra	3
MATH 352	College Geometry I	3
MATH	Math Elective	3
Science Specialization		**24**
GE 152/L	Principles of Physical Science/Lab	4
GE 155/L	Principles of Biology/Lab	4
GE 158/L	Principles of Geological Science/Lab	4
CHEM 101/L	General Chemistry/Lab	4
ENSC 101/L	General Environmental Science/Lab	4
PHYS 203/L	Astronomy	4
Total Semester Hours Required for Licensure		**90**

MAJOR: B.S.Ed. Degree in Middle Grades (6-9) Science Concentration – Mathematics Specialization

A. General Education Requirements		**47**
GE 102	English Composition & Grammar	3
GE 103	English Composition & Vocabulary	3
GE 11S	College Algebra	3
GE 122T	Freshman Seminar	1
GE	*Fine Arts and Communications	2
GE	*Fine Arts and Communications	2
GE 140	World Civilization I	3
GE 141	World Civilization II	3
GE 142	Introduction to Geography	3
GE 1S2/L	Principles of Physical Science/Lab	4

GE 155/L	Principles of Biological Science/Lab	4
GE	Physical Education Activity (need 2)	2
GE 185	Health Concepts	2
GE 201	World Literature I	3
GE 202	World Literature II	3
OR		
SPAN 101/102		3
OR		
FREN 101/102		3
OR		
SPPA 250/252		3
PSY 212	General Psychology	3
EDUC 203	Introduction to Computer Instr. Technology	3
B. Specialty Area Core Requirements		**6**
EDUC 220	Sophomore Seminar	P/F
EDUC 349	Classroom Management	3
EDUC 406	Adolescent Learner	3
C. Professional Education Courses		**33**
EDUC 201	Foundations of Education	3
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Teaching Reading in the Content Areas	3
EDUC 400	*Senior Seminar	P/F
EDUC 412	Middle School Methods	3
SPED 346	Introduction to SPED Law	3
EDUC 479	Multicultural Education	3
EDUC 478	Seminar in Contemporary Issues	P/F
EDUC 437	Student Teaching	12
D. Science Concentration		**20**
GE 152/L	Principles of Physical Science (GE)	4
GE 155/L	Principles of Biological Science (GE)	4
GE 158/L	Principles of Geological Science/Lab	4
CHEM 101/L	General Chemistry/Lab	4
ENSC 101/L	General Environmental Science/Lab	4
BIOL 302L	General Botany	4
OR		
CHEM 102L	General Chemistry II	4
OR		
GEOL 142/L	Physical Geology	4
PHYS 203/L	Astronomy	4
E. Math Specialization		**20**
GE 118	Pre Calculus	3
MATH	Math Elective	3
MATH 165	Calculus of a Single Variable I	4
MATH 265	Calculus of a Single Variable II	4
STAT 251	Basic Statistics I	3
MATH 352	College Geometry I	3
Total Semester Hours Required for Degree		**126**

**Select from the General Education Requirements.*

**Optional to those who have passed the PRAXIS II.*

Curriculum Guide Middle Grades Major (6-9) Science Concentration Mathematics Specialization

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition and Grammar	3
GE 115	College Algebra	3
GE 122T	Freshman Seminar	1
GE 140	World Civilization I	3
GE 158L	Principles of Geological Science/Lab	4
GE	Physical Ed. Activity	1
		15

Second Semester

GE 103	English Composition and Vocabulary	3
GE 118	Pre Calculus	3
GE	*Fine Arts and Communications	2
GE 141	World Civilization II	3
GE 155/L	Principles of Biological Science/Lab	4
GE	Physical Ed. Activity	1
		16

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
EDUC 220	Sophomore Seminar	P/F
CHEM 101/L	General Chemistry I/Lab	4
GE 142	Introduction to Geography	3
PSY 212	General Psychology	3
MATH 165	Calculus of a Single Variable I	4
		17

Second Semester

GE 185	Health Concepts	2
GE	*Fine Arts and Communication	2
GE	Language and Literature	3
GE 152/L	Principles of Physical Science/Lab	4
MATH 265	Calculus of a Single Variable II	4
EDUC 201	Foundations of Education	3
		18

Junior Year

First Semester

Course and number		Semester hrs
PSY 302	Human Development	3
STAT 251	Basic Statistics I	3
EDUC 201	Introduction to Computer Instr. Tech.	3
EDUC 349	Classroom Management	3
MATH 352	College Geometry	3
		15

Second Semester

PSY 309	Educational Psychology	3
BIOL 302L	General Botany	
OR		
CHEM 102L	General Chemistry	
OR		
GEOL 142L	Physical Geology	4
	Elective (Math Recommended)	3
EDUC 406	Young Adolescent Learner	3
PHYS 203L	Astronomy	4
		17

Senior Year

First Semester

Course and number		Semester hrs
EDUC 400	Senior Seminar	P/F
SPED 346	Introduction to SPED Laws	3
EDUC 479	Multicultural Education	3
EDUC 412	Middle School Methods	3
ENSC 101/L	Environmental Science	4
READ 320	Teach Read in Content Areas	3
		16

Second Semester

EDUC 437	O&S Student Teaching	12
EDUC 478	Seminar in Contemp. Ed. Issues	P/F
		12
Total Semester Hours Required for Degree		**126**

** Optional to those who have passed the PRAXIS II.*

** Select From the General Education Requirements*

Curriculum Guide Middle Grades Major (6-9) Science Concentration – Mathematics Specialization Licensure Only

A. Professional Education Requirements		**33**
EDUC 201	Foundations of Education	3
SPED 346	Introduction to SPED	3
(Only Professional core Course which does not require admission to Teacher Education)		
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Teaching Reading in Content Areas	3
EDUC 400	Senior Seminar for Education Majors	P/F
EDUC 412	Middle School Methods	3
EDUC 437	Observation and Supervised Teaching in Middle Grades	12
EDUC 478	Seminar in Contemp. Ed. Issues	P/F
EDUC 479	Multicultural Education	3
B. Specialty Area Core Requirements		**9**
EDUC 349	Classroom Management	3
EDUC 406	Young Adolescent Learner	3
EDUC 203	Introduction to Computer Instruct. Tech.	3
C. Science Concentration		**28**
GE 152/L	Principles of Physical Science/Lab	4
GE 155/L	Principles of Biology Science/Lab	4
GE 158/L	Principles of Geological Science/Lab	4
CHEM 101/L	General Chemistry/Lab	4
ENSC 101/L	General Environmental Science/Lab	4
BIOL 302L	General Botany	4
OR		
CHEM 102L	General Chemistry II	4
OR		
GEOL 142L	Physical Geology	4
	*Science Course	4
D. Mathematics Specialization		**17**
GE 118	Pre Calculus	3
MATH 165	Calculus of Single Variable I	4
MATH 265	Calculus of Single Variable II	4
STAT 251	Basic Statistics I	3
MATH 352	College Geometry I	3
Total Semester Hours Required for Licensure		**87**

** Students choose from GEOL 142/L, or BIOL 142/L, or CHEM 102/L – PHYS 203/L Astronomy: Strongly Recommended*

MAJOR: B.S.Ed. Degree in Middle Grades (6-9) Language Arts Concentration - Social Science Specialization

A. General Education Requirements		**46**
GE 102	English Composition & Grammar	3
GE 103	English Composition & Vocabulary	3
MATH 121	Number Systems & Algebra	3
MATH 122	Geometry & Data Analysis	3
GE 122T	Freshman Seminar	1
GE	*Fine Arts and Communications	2
GE	*Fine Arts and Communications	2
GE 140	World Civilization I	3
GE 141	World Civilization II	3
GE 142	Introduction to Geography	3
GE 152/L	Principles of Physical Science/Lab	4
OR		
GE 155/L	Principles of Biological Science/Lab	4
GE	Physical Education Activity (need 2)	2
GE 185	Health Concepts	2
GE 201	World Literature I	3
GE 202	World Literature II	3
OR		
SPAN 101/102		3
OR		
FREN 101/102		3
OR		
SPPA 250/252		3
PSY 212	General Psychology	3
EDUC 203	Introduction to Computer Instr. Technology	3
B. Specialty Area Core Requirements		**6**
EDUC 220	Sophomore Seminar	P/F
EDUC 349	Classroom Management	3
EDUC 406	Young Adolescent Learner	3
C. Professional Education Courses		**33**
EDUC 201	Foundations of Education	3
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Teaching Reading in Content Areas	3
EDUC 400	*Senior Seminar	P/F
EDUC 412	Middle School Methods	3
SPED 346	Introduction to SPED Law	3
EDUC 479	Multicultural Education	3
EDUC 478	Seminar in Contemporary Issues	P/F
EDUC 437	Observation and Supervised Teaching	12
D. Social Science Concentration		**24**
SOC 201	Introduction to Sociology	3
HIST 255	US History to 1877	3
HIST 256	US History Since 1877	3
HIST 376	North Carolina History	3
ECON 201	Principles of Economics I	3
GEOG 201	World Geography	3
*GLBS 320	World Societies and Culture	3
POLS 304	State and Local Government	3
E. Language Arts Specialization		**18**
ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
ENGL 322	Advanced Grammar	3
ENGL 305	American Literature I	3
ENGL 306	American Literature II	3
ENGL 336	Adolescent Literature	3
Total Semester Hours Required for Degree		**128**

**Optional to those who have passed the PRAXIS II.*

Curriculum Guide – Middle Grades Major (6-9) Social Science Concentration – Language Arts Specialization

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition and Grammar	3
MATH 121	Number Systems and Algebra	3
GE 122T	Freshman Seminar	1
GE 140	World Civilization I	3
GE 152L	Principles of Physical Science/Lab	
OR		
GE 155/L	Principles of Biological Science/Lab	4
GE	Physical Ed. Activity	1
		17

Second Semester

GE 103	English Composition and Vocabulary	3
MATH 122	Geometry & Data Analysis	3
GE 141	World Civilization II	3
GE	*Fine Arts and Communications	2
GE 185	Health Concepts	2
GE	Physical Ed. Activity	1
EDUC 203	Introduction to Computer Instr. Tech.	3
		15

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
EDUC 220	Sophomore Seminar	P/F
HIST 255	US History to 1877	3
GE 141	Introduction to Geography	3
PSY 212	General Psychology	3
GE	Fine Arts and Communications	2
SPED 346	Introduction to SPED Law	3
		17

Second Semester

EDUC 201	Foundations of Education	3
HIST 256	US History Since 1877	3
ECON 201	Principles of Economics	3
GEOG 201	World Geography	3
SCO 201	Introduction to Sociology	3
GE	Language and Literature	3
		18

Junior Year

First Semester

Course and number		Semester hrs
PSY 302	Human Development	3
ENGL 305	American Literature I	3
EDUC 349	Classroom Management	3
ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
		15

Second Semester

PSY 309	Educational Psychology	3
ENGL 306	American Literature II	3
EDUC 406	Young Adolescent Learner	3
POLS 304	State & Local Government	3
ENGL 322	Advanced Grammar	3
ENGL 336	Adolescent Literature	3
		18

Senior Year

First Semester

Course and number		Semester hrs
EDUC 400	Senior Seminar	P/F
HIST 376	History of North Carolina	3
EDUC 479	Multicultural Education	3
EDUC 412	Middle School Methods	3
READ 320	Reading, Content Areas	3
*GLBS 320	World Societies & Cultures	3
		15

Second Semester

EDUC 437	O&S Student Teaching	12
EDUC 478	Seminar in Contemp. Ed. Issues	P/F
		12

Total Semester Hours Required for Degree **128**

** Select from the General Education Requirements*

**Optional to those who have passed the PRAXIS II.*

***Students may select either HIST 385-Modern European History - OR - HIST 386-Europe Since 1914*

Curriculum Guide Middle Grades Major (6-9) Social Science Concentration – Language Arts Specialization Licensure Only

Professional Education Requirements		**33**
EDUC 201	Foundations of Education	3
SPED 346	Introduction to SPED Law	3
(Only Professional core Course which does not require admission to Teacher Education)		
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Teaching Reading in Content Areas	3
EDUC 400	Senior Seminar for Education Majors	P/F
EDUC 412	Middle School Methods	3
EDUC 437	Observation and Supervised Teaching in Middle Grades	12
EDUC 478	Seminar in Contemporary Education Issues	P/F
EDUC 479	Multicultural Education	3
Specialty Area Core Requirements		**9**
EDUC 349	Classroom Management	3
EDUC 406	Young Adolescent Learner	3
EDUC 203	Introduction to Computer Instructional Technology	3
Social Science Concentration		**24**
SOC 201	Introduction to Sociology	3
HIST 255	US History to 1877	3
HIST 256	US History Since 1877	3
HIST 376	History of North Carolina	3
*GLBS 320	World Societies and Culture	3
ECON 201	Economics I	3
GEOG 201	World Geography	3
POLS 304	State and Local Government	3
Language Arts Specialization		**18**
ENGL 300	Traditional Grammar	3
ENGL 301	English Literature I	3
ENGL 322	Advanced English Grammar	3
ENGL 305	American Literature I	3
ENGL 306	American Literature II	3
ENGL 336	Adolescent Literature	3
Total Semester Hours Required for Licensure		**84**

Department of Health and Physical Education

Overview

The Department of Health and Physical Education embraces a belief that good health is essential to the quality of one's lifestyle, which has physical, mental, emotional, social, and spiritual aspects. Therefore, the mission of the Department of Health and Physical Education Program is to promote health and wellness through the acquisition of skills and knowledge that can be integrated into a holistic lifestyle. The department also provides professional programs in physical education that are designed to prepare students to teach health and physical education, to coach athletic teams, and to work in areas such as fitness, recreation and sports medicine. The Department of Health and Physical Education is committed to excellence consistent with the overall mission of the University. The department teaches the scientific basis of physical fitness competencies inherent in the profession that are required to be successful in public schools and municipal or private settings. Majors who are seeking physical education teacher certification for grades K-12 can receive certification by successfully completing all requirements in the education department.

The Department of Health and Physical Education provides coursework and related activities leading to the fulfillment of competencies in the area of Physical

Education and the respective professional organizations. The department is one of three departments in the School of Education and Psychology.

The Undergraduate Programs consist of the following areas:

- Aquatics and Fitness
- Sports Science
- Sports Management: Management and Administration
- Sports Management: Marketing and Promotion
- Sports Management: Sports Communication

The department offers undergraduate level courses in physical education leading to teacher state certification and a concentration in Aquatics & Fitness.

MAJOR: B.S. in Physical Education (Teaching)

A * General Education		**46**
B. Specialty Area Requirement		**48**
PE 210	Applied Anatomy & Physiology	3
PE 210L	Applied Anatomy & Physiology Lab	1
CR 202	Intramural Sports	2
GE 155	Principles of Biological Science	3
GE 155L	Principles of Biological Science Lab	1
GE 161	Dance (Elementary Modern)	1
PE 239	Introduction to Physical Education	2
PE 240	Team Sports	1
PE 241	Individual and Dual Sports	1
PE 274	Fundamentals of Self Defense	1
PE 300	Exercise Physiology	3
PE 303	Fitness Thru Weight Training	2
PE 363	Group Games and Rhythms	2
PE 370	Kinesiology	3
PE 375	Management of Physical Education	3
PE 380 or PE 381	Sports Officiating Basketball or Football	3
PE 382	Curriculum and Assessment	3
PE 400	Motor Learning and Motor Behavior	3
PE 445	Principles of Physical Education	3
PE 447	Prescriptive Exercise Testing	4
PE 470	Adapted Physical Education	3
C. Professional Education Courses		**30**
EDUC 201	Foundations of Education	3
EDUC 400	Senior Seminar for Education Majors	P/F
EDUC 440	Methods and Materials in Physical Education	3
EDUC 470	Student Teaching	12
EDUC 478	Seminar in Contemporary Educational Issues	P/F
EDUC 479	Multicultural Education	3
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Teaching Reading in Content Area	3
Total Hour Required for Degree		**124**

** Any required GE courses in Physical Education may be used to satisfy the Physical Education Requirements in General Education.*

Curriculum Guide for Majors in Teaching Physical Education

Freshman Year

First Semester

Course and number		Semester hrs
GE 155/L	Principles of Biological Science	4
GE 115	College Algebra	3
GE 102	Composition & Grammar	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
EDUC 203	Introduction to Composition Inst. Tech	3
GE 186	Ex. & Hlth Related Fitness	1
		18

Second Semester

GE 130	Art Appreciation	2
GE 103	Composition & Vocabulary	3
GE 141	World Civilization II	3
GE 152L	Principles Physical Science	4
GE 185	Health Concepts	2
GE 135	Introduction to Music	2
GE 161	Dance (Elem Modern)	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 142	Introduction to Geography	3
PE 239	Introduction To Physical Education	2
GE 201	World Literature 1	3
EDUC 201	Foundations of Education	3
PE 241	Individual Sports	1
PSY 212	General Psychology	3
		15

Second Semester

GE 118	Pre Calculus	3
GE 202	World Literature II	3
PE 210	Applied Anatomy & Physio	3
PE 210L	Applied Anatomy & Physio Lab	1
PE 240	Team Sports	1
PSY 309	Education Psychology	3
PE 274	Fundamentals of Self-Defense	1
		15

Junior Year

First Semester

Course and number		Semester hrs
PE 300	Physiology of Exercise	3
CR 202	Intramural Sports	2
GE 184	Dance (Folk & Square)	1
PE 382	Curriculum & Assessment	3
PE 375	Manage. of Athletics & PE	3
PE 200	Coaching Basketball or Football	3
PE 380 or 381	Sports Officiating Basketball or Football	3
		15

Second Semester

PE 303	Fitness Thru Weight Training	2
PE 363	Group Games & Rhythms.	2
READ 320	Teach Read Content Area.	3
PE 447	Prescriptive Exercise	4
PE 370	Kinesiology	3
PSY 302	Human Development	3
		17

Senior Year

First Semester

Course and number		Semester hrs
EDUC 400	Senior Seminar for Education Major	P/F
EDUC 440	Methods/Materials in Physical Education	3
EDUC 479	Multi-Cultural Education	3
PE 400	Motor Learning & Motor Behavior	3
PE 445	Principles of Physical Education	3
PE 470	Adapted Physical Education	3
		15

Second Semester

EDUC 470	Student Teaching	12
EDUC 478	Seminar Contemporary Education Issues	P/F
		12

Total Semester Hours Required for Degree **124**

Students are required to take HLTH 367, GE 175.

MAJOR; B.S. in Physical Education Aquatics and Fitness Option

A. General Education		**46**
B. Specialty Area Requirements		**46**
HLTH 369	Principles of Nutrition	3
PE 210/L	Applied Anatomy & Physiology/Lab	4
PE 239	Introduction to Physical Education	2
PE 240	Team Sports	1
PE 300	Exercise Physiology	3
PE 303	Fitness Through Weight Training	2
PE 363	Group Games and Rhythms	2
PE 370	Kinesiology	3
PE 375	Management of Physical Education & Athletic Programs	3
PE 382	Curriculum and Assessment	3
PE 401	Motor Learning & Motor Behavior	3
PE 445	History & Principles of Physical Education	3
PE 447/L	Exercise Prescription & Testing/Lab	4
PE 470	Adapted Physical Education	3
PE 499	Aquatic & Fitness Internship	3
C. Concentration in Aquatics & Fitness		**17**
PE 208	Step Aerobics	2
PE 209	Water Aerobics	2
PE 368	Prevention & Care	2
PE 383	Aquatics & Fitness	3
PE 388	Lifesaving	3
PE 389	Water Safety	2
PE 478	Swimming Pool MGT	2
D. Related Area		**15**
GE 152/L	Principles of Physical Science/Lab	4
ENSC 101/L	Environmental Science Lab	4
HLTH 460	Contemporary Health Service	2
Total Semester Hours		**124**

Department Requirements - ARC Certified First Aid or HLTH 367 WSI (Water Safety Instructor) or PE 389 Swimming Pool Management

Curriculum Guide for Majors in Physical Education Aquatics & Fitness

Freshman Year

First Semester

Course and number		Semester hrs
GE 155L	Principles of Biol. Science & Lab	4
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE 102	English Composition & Grammar	3
GE 140	World Civilization I	3
CSC 111	Introduction to Computing	3
		17

Second Semester

GE 130	Art Appreciation.	2
GE 103	English Composition & Vocabulary	3
GE 141	World Civilization II	3
GE 118	Pre Calculus	3
GE 185	Health Concepts	2
GE 135	Introduction to Music	2
GE 174	Swimming II	1
		16

Sophomore Year

First Semester

Course and number		Semester hrs
PSY 212	General Psychology	3
GE 175	Intermediate Swimming	1
GE 201	World Literature I	3
PE 208	Step Aerobics.	2
PE 239	Introduction to Physical ED	2
PE 240	Team Sport	1
		17

Second Semester

GE 142	Introduction to Geography	3
ENSC 101/L	Principles of Environmental Science/Lab	4
GE 152/L	Principles of Physical Science/Lab	4
GE 202	World Literature II	3
PE 209	Water Aerobics	2
PE 368	Prevention & Care of Athletic Injury	2
		18

Junior Year

First Semester

Course and number		Semester hrs
HPE 369	Principles of Nutrition	3
PSY 309	Educational Psychology	3
PE 303	Fitness Thru Weight Training	2
PE 382	Curriculum &. Assessment	3
PE 388	Life Saving.	3
GE 186	Exercise & Hlth Related Fitness	1
PE 370	Kinesiology	3
		18

Second Semester

PE 300	Exercise Physiology	3
PE 363	Group Games and Rhythms	2
PE 375	The Mgmt of Athletics & Phy. Ed	3
PE 383	Aquatic Fitness	3
PE 389	Water Safety	2
PE 447	Prescriptive Exercise Testing	3
PE 447L	Prescriptive Exercise Testing Lab	1
		17

Senior Year

First Semester

Course and number		Semester hrs
HLTH 460	Contemporary Health Service	2
PE 401	Motor Learning & Motor Behavior	3
PE 445	Hist. & Principles of Physical Education	3
PE 470	Adapted Physical Education	3
PE 478	Swimming Pool MGT	3
		14

Second Semester

PE 499	Aquatic/Fitness Internship	8
		8

Total Hours **124**

Departmental Requirements

1. ARC Certified First Aide or HLTH 367 WSI (Water Safety Instructor) or PE 389

MINOR: Physical Education

PE 239	Introduction to Physical Education	2
PE 240	Team Sports	1
PE 445	History & Principles of Physical Education	3
PE 375	Management of Physical Education	3
PE 363	Groups, Games, and Rhythms	1
PE 401	Motor Learning & Motor Behavior	3
PE 407	Adaptive Physical Education	3
HLTH 367	*First Aid & Safety (Department Requirement)	0
CR 202	Intramurals	2
PE 200 or 201 OR	Coaching Basketball or Football	3
PE 380 or 381	Officiating Basketball or Football	3
GE 175	Intermediated Swimming II (Departmental Requirement)	0
PE 303	Fitness through Weight Training	2
Total Semester Hours Required for Minor		**23**

MINOR: Coaching and Sports

PE 210/L	Applied Anatomy & Physiology/Lab	4
PE 401	Motor Learning & Motor Behavior	3
PE 300	Physiology of Exercise	3
PE 200 or 201	Coaching Basketball or Football	3
PE 371	Psychology of Coaching	3
PE 496	Supervised Field Work in Coaching and Officiating	8
Total Semester Hours Required for Minor		**24**

Department of 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 Department of Psychology is to impart to students a thorough knowledge of the practical, scientific, and theoretical/philosophical factors associated with the study of human behavior. The department 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 Department of Psychology 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, and education. The department'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:

- Enhancing student ability to think critically and quantitatively
- Providing relevant and rigorous academic coursework, the successful completion of which results in reception of a Bachelor of Science Degree
- Providing 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.
- Providing 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 a 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. The appropriate course sequence along with curriculum-guide summaries appear below.

The Department also offers an "Academic Concentration in Psychology" as a complement to the Teacher Education Program.

MAJOR: Bachelor of Science Degree in Psychology

A. General Education Core		**47**
B. Major Core Requirements		**39**
Core Courses		**30**
*PSY 220	Basic Research Skills	3
*PSY 250	Developmental Psychology	3
*PSY 300	Statistics & Research Design	3
PSY 311	Psychological Tests & Measurement	3
PSY 330	Psychology of Personality	3
*PSY 350	Experimental Psychology	3
PSY 360	Abnormal Psychology	3
PSY 400	Sensation & Perception	3
*PSY 450	Learning & Cognition	3
PSY 490	Senior Seminar in Psychology	3
**Indicates minor core requirements*		
Restricted Electives: (Select three courses)**		**9**
PSY 295	Topics in Psychology	3
PSY 340	Psychology of Cultural Diversity	3
PSY 370	Physiological Psychology	3
PSY 407	Community Psychology	3
PSY 480	Internship in Psychology	3
***Select two for minor*		
C. Related Area Course Requirements		**16**
SOC 204	Introduction to Anthropology	3
SOC 360	Social Psychology	3
BIOL 101	General Biology I/Lab	4

	Foreign Language (consecutive courses)	6
D. Minor/Electives		**22**
Total Semester Hours Required for Degree (Major)		**124**
Total Semester Hours Required for Minor in Psychology		**21**
Total Semester Hours for Academic Concentration (Psychology)		**24**

Major in Psychology: Thirty-nine semester hours, twenty-one of which must be of junior and senior level, including Psychology 212, 220, 250, 300, 330, 350, 360, 400, 450, 490.

Minor in Psychology: Twenty-one semester hours required, including Psychology 220, 250, 300, 311, 350, 400, 450.

Academic Concentration in Psychology: Twenty-four semester hours required: Psychology 220, 250, 300, 311, 350, 400, 450, 490.

Elective Courses: Psychology 251, 260, 295, 340, 370, 380, 407, 410, 420, 480.

NOTE: Psychology 212 General Psychology) occurs as a prerequisite to all other courses in psychology.

Curriculum Guide for Majors in Psychology

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition & Grammar	3
GE 115	College Algebra	3
GE 122	Freshman Seminar	1
GE	Fine Arts/Communication	2
GE 140	World Civilization I	3
CSC 111	Introduction to Computing	3
GE	Physical Education	1
		16

Second Semester

GE 103	Composition & Vocabulary	3
GE	Fine Arts/ Communication	2
GE 141	World Civilization II	3
GE 155	Principles Biol. Science /Lab	4
GE 185	Health Concepts	2
PSY 212	General Psychology	3
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
GE	Physical Education	1
BIOL 101	General Bio. I /Lab	4
PSY 220	Basic Research Skills	3
PSY 250	Developmental Psychology	3
	Foreign Language I	3
		17

Second Semester

GE 152	Principles of Phys. Science/Lab	4
GE 202	World Literature II	3
SOC 201	Introduction to Sociology	3
PSY 300	Statistics & Res. Design	3
	Foreign Language II	3
		16

Junior Year

First Semester

Course and number		Semester hrs
PSY 311	Psychol. Tests & Meas	3
PSY 330	Psychology of Personality	3
PSY	Restricted Elective	3
SOC 204	Introduction to Anthropology	3
	Minor/Elective	4
		16

Second Semester

PSY 360	Abnormal Psychology	3
SOC 360	Social Psychology	3
PSY 350	Experimental Psychology	3
	Minor/Elective	6
		15

Senior Year

First Semester

Course and number		Semester hrs
PSY 400	Sensation & Perception	3
PSY	Restricted Electives	6
	Minor/Elective	6
		15

Second Semester

PSY 450	Learning & Cognition	3
PSY 490	Senior Seminar in Psychology	3
	Minor/Elective	6
		12

SCHOOL OF MATHEMATICS, SCIENCE & TECHNOLOGY

The School of Mathematics, Science and Technology is a scholarly community committed to providing high quality education that prepares students for rewarding professional careers or graduate studies in mathematics, science, or technology related areas, and for adaptive learning as productive citizens. The School provides a supportive learning environment for its multi-cultural student population, offers disciplinary and interdisciplinary instruction that employs new technologies and integrates ideas across intellectual boundaries, and supports opportunities for student involvement in undergraduate research and internships. The generation of new knowledge through research and an active commitment to ongoing professional development are integral to the School's instructional mission.

While Elizabeth City State University's number one priority is "Student Success", the School of Mathematics, Science & Technology faculty is dedicated to preparing students for entry into competitive graduate and professional degree programs in preparation for employment in this global market of Science, Mathematics, Engineering and Technology (STEM). Students earning a degree from this school are expected to become outstanding scientists, and future leaders of tomorrow.

Departments

The School of Mathematics, Science, and Technology consists of the following departments:

Biology – Dr. Jeffrey Rousch, Chair; Jimmy R. Jenkins Science Center, Room 302

Chemistry, Geology and Physics - Dr. Ephraim Gwebu, Chair; Jimmy R. Jenkins Science Center, Room 304

Mathematics and Computer Science - Dr. Farrah

Chandler, Chair; Lane Hall, Room 137
Pharmacy and Health Professions - Dr. Latasha Weeks, Chair; Pharmacy Building, Room 112
Technology - Dr. Mehran Elahi, Chair; Dixon-Patterson Hall, Room 122

Degrees offered

The School of Mathematics, Science, and Technology offers courses and programs leading to a Bachelor of Science degree, Master of Science degree (Biology and Mathematics only) and a Minor in the areas listed below. In cooperation with the School of Education & Psychology, programs of preparation for secondary teaching are available in Biology, Chemistry, and Mathematics. For complete curriculum information, please consult each department's section in this catalog, or contact the appropriate Departmental Chair.

Bachelor of Science Degree Programs

Aviation Science
Aviation Science with a Concentration in Avionics, Aviation Management, Computer Science, Electronics, Flight education, Public Administration, and Space Science.

Biology
- Biology with a Concentrations in Molecular Biology/Biotechnology
- Biology with a Concentration in Pre-Medicine/Pre-Dentistry
- Biology with a Minor in Secondary Education

Chemistry
- Chemistry with a Concentration in Applied Biochemistry
- Chemistry with Pre-Health Professional Concentrations in Pre-Dentistry/Pre-Physical Therapy/Pre-Occupational Therapy/Pre-Medicine/Pre-Medical Technology/Pre-Pharmacy
- Chemistry with a Minor in Secondary Education

Computer Science
- Computer Science with a Concentration in Business
- Computer Science with a Minor in Aviation Science
- Computer Science with a Scientific Concentration

Engineering Technology
- Engineering Technology with a Concentration in Mechanical and Automation
- Engineering Technology with a Concentration in Computer and Information Technology

Geology

Mathematics
- Mathematics with a Concentration in Elementary Education
- Mathematics with a Concentration in Secondary Education

Marine Environmental Science

Industrial Technology

Pharmaceutical Science
- Pharmaceutical Science with a Concentration in Biotechnology
- Pharmaceutical Science with a Concentration in Clinical Science

Physics
- Physics with a Concentration in Biophysics
- Physics with a Concentration in Aviation Science
- Physics with a Concentration in Medical Physics
- Physics with Pre-Health Concentrations in Pre-Physical Therapy/Pre-Medicine

Department of Biology

The Department of Biology offers diverse courses taught by highly qualified faculty toward a Bachelor of Science (B.S.)degree in Biology and Marine Environmental Science and Master of Science (M.Sc.) degree in Biology in a nurturing and student-focused environment. B.S. in Biology students can concentrate in General Biology, Pre-medicine/Pre-dentistry and Molecular Biology/Biotechnology. Additionally, the Department offers students a minor in Secondary Education which prepares students to receive a Class "A" public instruction license. B.S. graduates are prepared for entry into diverse biological careers, like medicine, biotechnology, environment, microbiology, genetic counseling and education and also for entry into masters, doctoral and professional programs. M.Sc. graduates are prepared for entry into biotechnology careers and PhD and professional programs.

PROGRAM GOALS
The goals of the Biology Department are:

1. Assist students in understanding basic unifying biological and marine environmental sciences Principles through the provision of relevant facts, concepts, and theories.
2. Provide lecture and experimental learning activities to engage and develop the student in the correlation of theoretical, practical, and critical analyses of the biological and marine sciences.
3. Enhance the overall educational experience of students with an interdisciplinary curriculum designed to enhance student performance on professional examinations.
4. Prepare students to be competitive for entry into graduate and professional programs and upper-level positions in government and the private sector.
5. Collaborate with public school teachers, graduates, and professional institutions to broaden scientific career opportunities.
6. Attract, recruit, retain, and produce more capable students by continually enhancing program offerings

and requirements to meet the changing needs of the Biology major.

7. Provide an atmosphere that will promote participation of faculty and students in professional development and community outreach activities.

MAJOR: B.S. Degree in Biology (Concentration— General Biology)

A. General Education Core		**47**
B. Major Core Requirements		**48**
Core Courses		**37**
BIOL 101	General Biology for Majors I/Lab	4
BIOL 102	General Biology for Majors II/Lab	4
BIOL 201	Composition Vert. Anat./Lab	4
BIOL 210	Genetics	3
BIOL 211	Organic Evolution	3
BIOL 307	Human Physiology/Lab	4
BIOL 341	Microbiology/Lab	4
BIOL 350	Introduction - Exp. Methods	3
BIOL 352	Frontiers in Molecular Biology	3
BIOL 486	Scientific Writing	1
BIOL 495	Biology Seminar	1
BIOL 300	General Ecology	3
Concentration or Cluster of Restricted Electives		**11**
BIOL 300/400	Restricted Electives	11
C. Related Area Course Requirements		**23**
CHEM 301/L	Organic Chemistry I/Lab	4
CHEM 302/L	Organic Chemistry II/Lab	4
CHEM 401/L	Biochemistry I/Lab	4
GE 118	Pre Calculus	3
PHYS 181/L	General Physics I/Lab	4
PHYS 182/L	General Physics II/Lab	4
Free Electives		**7**
Total Required for Degree		**125**

**Students must obtain a minimum grade of C in all Major Core Requirements and Related Area Course Requirements..*

(Note: CHEM 101/101L and 102/102L must be taken to satisfy the Natural Science Requirements for General Education)

Curriculum Guide for Majors in Biology General Biology

Freshman Year

First Semester

Course and number		Semester hrs
BIOL 101	General Biology for Majors I/Lab	4
CHEM 101/L	General Chemistry I/Lab	4
GE 115	College Algebra	3
GE 102	English Composition & Grammar	3
GE 135	Introduction to Music Literature	2
GE 122	Freshman Seminar	1
		17

Second Semester

BIOL 102	General Biology for Majors II/Lab	4
CHEM 102/L	General Chemistry II/Lab	4
GE 118	Pre Calculus	3
GE 103	English Composition & Vocabulary	3
GE 185	Health Concepts	2
GE	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
BIOL 210	Genetics	3
CHEM 301/L	Organic Chemistry I/Lab	4
GE 140	World Civilization I	3
GE 201	World Literature I	3
PSY 212	General Psychology	3
GE	Physical Ed. Activity	1
		17

Second Semester

BIOL 211	Organic Evolution	3
CHEM 302/L	Organic Chemistry II/Lab	4
GE 141	World Civilization II	3
GE 202	World Literature II	3
CSC 115	Computer Science I	3
		16

Junior Year

First Semester

Course and number		Semester hrs
PHYS 181/L	General Physics I/Lab	4
CHEM 401/L	Biochemistry/Lab	4
BIOL 300	General Ecology	3
BIOL 350	Introduction Experimental Methods	3
BIOL 486	Scientific Writing	1
		15

Second Semester

PHYS 182/L	General Physics II/Lab	4
BIOL 307/L	Human Physiology/lab	4
BIOL 201/L	Composition Vert. Anat./Lab	4
BIOL 352	Frontiers in Molecular Biology	3
GE 130	Art Appreciation	2
		17

Senior Year

First Semester

Course and number		Semester hrs
BIOL 341	Microbiology/Lab	4
BIOL 495	Biology Seminar	1
BIOL 300/400	Biology Electives	5
GE	Social/Behavioral Science	3
		13

Second Semester

BIOL 300/400	Biology Electives	6
BIOL 499	Free Electives	7
		13

Total Requirements for the Degree **125**

MAJOR: B.S. Degree in Biology (Concentration – Molecular Biology/Biotechnology)

A. General Education Core		**47**
B. Major Core Requirements*		**45**
Core Courses		**29**
BIOL 101	General Biology for Majors I/Lab	4
BIOL 102	General Biology for Majors II/Lab	4
BIOL 210	Genetics	3
BIOL 341	Microbiology/Lab	4
BIOL 350	Introduction Experimental- Methods	3
BIOL 352	Frontiers in Molecular Biology	3
BIOL 380	Cell Biology	3
BIOL 486	Scientific Writing	1
BIOL 487	Stat. Appl. in the Sciences	3
BIOL 495	Biology Seminar	1
Concentration or Cluster of Restricted Electives		16
BIOL 308	Introduction to Mol. Forensic Science	3
BIOL 405	Animal Biotechnology/Lab	4
BIOL 406	Plant Biotechnology/Lab	4
BIOL 499	Biological Research	1
BIOL 300/400	Biology Electives	4

C. Related Area Course Requirements		**24**
CHEM 301/L	Organic Chemistry I/Lab	4
CHEM 302/L	Organic Chemistry II/Lab	4
CHEM 401/L	Biochemistry/Lab	4
MATH 165	Calculus of Single Variable III	4
PHYS 181/L	General Physics I/Lab	4
PHYS 182/L	General Physics II/Lab	4
D. Free Electives		**9**
Total Required for Degree		**125**

** Students must obtain a minimum grade of C in all Major Core Requirements and Related Area Course requirements.*

(Note: CHEM 101/101L and 102/102L must be taken to satisfy the Natural Science Requirements for General Education

Curriculum Guide for Majors in Biology Molecular Biology/Biotechnology

Freshman Year

First Semester

Course and number		Semester hrs
BIOL 101	General Biology for Majors I/Lab	4
CHEM 101/L	General Chemistry I/Lab	4
GE 118	Pre Calculus	3
GE 102	English Composition & Grammar	3
GE 135	Introduction to Music Literature	2
GE 122	Freshmen Seminar	1
		17

Second Semester

BIOL 102	General Biology for Majors II/Lab	4
CHEM 102/L	General Chemistry II/Lab	4
MATH 165	Calculus of Single Variable III	4
GE 103	English Composition & Vocabulary	3
GE 185	Health Concepts	2
		17

Sophomore Year

First Semester

Course and number		Semester hrs
BIOL 210	Genetics	3
CHEM 301/L	Organic Chemistry I/Lab	4
CSC 115	Computer Science I	3
GE 201	World Literature I	3
PSY 212	General Psychology	3
GE	Physical Ed. Activity	1
		17

Second Semester

BIOL 341	Microbiology/Lab	4
CHEM 302/L	Organic Chemistry II/Lab	4
BIOL 308	Introduction to Mol. Forensic Science	3
GE 202	World Literature II	3
GE	Social & Behavioral Science	3
	Free Elective	1
		18

Junior Year

First Semester

Course and number		Semester hrs
PHYS 181/L	General Physics I/Lab	4
CHEM 401/L	Biochemistry I/Lab	4
BIOL 350	Introduction to Experimental-Methods	3
GE 140	World Civilization I	3
GE 130	Art Appreciation	2
		16

Second Semester

PHY 182/L	General Physics II/Lab	4
GE 141	World Civilization II	3
BIOL 380	Cell Biology	3
BIOL 352	Frontiers in Molecular Biology	3
GE	Physical Ed. Activity	1
		14

Senior Year

First Semester

Course and number		Semester hrs
BIOL 487	Stat. Appl. In the Sciences	3
BIOL 405	Animal Biotechnology/Lab	4
BIOL 486	Scientific Writing	1
	Free Electives	5
		13

Second Semester

BIOL 495	Biology Seminar	1
BIOL 499	Biological Research	1
BIOL 406	Plant Biotechnology/Lab	4
BIOL 300/400	Biology Electives	4
	Free Electives	3
		13

Total Requirements for the Degree **125**

MAJOR: B.S. Degree in Biology (Minor – Secondary Education)

A. General Education Core		**47**
B. *Major Core Requirements		**27**
Core Courses		**27**
BIOL 101	General Biology for Majors I/Lab	4
BIOL 102	General Biology for Majors II/Lab	4
BIOL 210	Genetics	3
BIOL 211	Organic Evolution	3
BIOL 307	Human Physiology/Lab	4
BIOL 350	Introduction Experimental-Methods	3
BIOL 352	Frontiers in Molecular Biology	3
Concentration or Cluster of Restricted Electives		**3**
BIOL 300	General Ecology	3
C. Related Area Course Requirements		**19**
CHEM 301/L	Organic Chemistry I/Lab	4
GE 118	Pre Calculus	3
PHYS 181/L	General Physics I/Lab	4
PHYS 182/L	General Physics II/Lab	4
GE 158/L	Principles of Geol. Science/Lab	4
D. Minor Core Requirements		**27**
EDUC 201	Foundations of Education	3
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Tchg. Read .in Content Area	3
EDUC *400	Senior Seminar	P/F
EDUC 430	Secondary Instructional Methods	3
SPED 346	Introduction to SPED Laws	3
EDUC 476	Obs. & Supervised Teaching-Bio.	6
EDUC 478	**Sem. in Contemp. Education Issues	P/F
EDUC 479	Multicultural Education	3
Elective		**4**
Total Required for Degree		**124**

** Students must obtain a minimum grade of C in all Major Core Requirements*

*** Optional unless otherwise stated*

(Note: CHEM 101/101L and 102/102L must be taken to satisfy the Natural Science Requirements for General Education)

Curriculum Guide for Majors in Biology Minor in Secondary Education

Freshman Year

First Semester

Course and number		Semester hrs
BIOL 101	General Biology for Majors I/Lab	4
CHEM 101/L	General Chemistry I/Lab	4

GE 115	College Algebra	3
GE 102	English Composition & Grammar	3
GE 135	Introduction to Music Literature	2
GE 122T	Freshman Seminar	1
		17

Second Semester

BIOL 102	General Biology for Majors II/Lab	4
CHEM 102/L	General Chemistry II/Lab	4
GE 118	Pre Calculus	3
GE 103	English Composition & Vocabulary	3
GE 185	Health Concepts	2
GE	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
BIOL 210	Genetics	3
CHEM 301/L	Organic Chemistry I/Lab	4
GE 140	World Civilization I	3
GE 201	World Literature I	3
PSY 212	General Psychology	3
GE	Physical Ed. Activity	1
GE 220	Sophomore Seminar	P/F
		17

Second Semester

BIOL 211	Organic Evolution	3
EDUC 201	Foundations of Education	3
GE 141	World Civilization II	3
GE 202	World Literature II	3
GE 142	Introduction to Geography	3
GE 130	Art Appreciation	2
		17

Junior Year

First Semester

Course and number		Semester hrs
PHYS 181/L	General Physics I/Lab	4
PSY 309	Ed. Psychology	3
READ 320	Tchg. Read. in Content Area	3
PSY 302	Human Development	3
BIOL 350	Introduction Experimental-Methods	3
	Free Elective	1
		17

Second Semester

PHY 182/L	General Physics II/Lab	4
BIOL 307	Human Physiology/Lab	4
BIOL 352	Frontiers in Molecular Biology	3
EDUC 430	Sec. Instruc. Methods	3
EDUC 203	Introduction Composition Instruc. Tech.	3
		17

Senior Year

First Semester

Course and number		Semester hrs
BIOL 300	General Ecology	3
EDUC 479	Multicultural Education	3
EDUC 400	Seminar	P/F
SPED 346	Introduction to SPED	3
GE 158/L	Principles of Geol. Science/Lab	4
	Free Electives	3
		16

Second Semester

EDUC 478	Seminar in Contemp. Ed.	P/F
EDUC 476	Obs. & Sup. Teach. Biology	6
		6

Total Requirements for the Degree **124**

MAJOR: B.S. Degree in Biology (Concentration – Pre-Medicine/Pre-Dentistry)

A. General Education Core		**47**
B. *Major Core Requirements		**48**
Core Courses		**48**
BIOL 101	General Biology for Majors I/Lab	4
BIOL 102	General Biology for Majors II/Lab	4
BIOL 201	Composition Vert. Anat./Lab	4
BIOL 207	Human Anatomy/Lab	4
BIOL 210	Genetics	3
BIOL 307	Human Physiology/Lab	4
BIOL 341	Microbiology/Lab	4
BIOL 350	Introduction Experimental-Methods	3
BIOL 352	Frontiers in Molecular Biology	3
BIOL 380	Cell Biology	3
BIOL 443	Principles of Immunology	3
BIOL 486	Scientific Writing	1
BIOL 487	Stat. Appl. in the Sciences	3
BIOL 495	Biology Seminar	1
Concentration or Cluster of Restricted Electives		**4**
BIOL 300/400	Restricted Electives	4
C. Related Area Course Requirements		**24**
CHEM 301/L	Organic Chemistry I/Lab	4
CHEM 302/L	Organic Chemistry II/Lab	4
CHEM 401/L	Biochemistry/Lab	4
MATH 165	Calculus of Single Variable II	4
PHYS 181/L	General Physics I/Lab	4
PHYS 182/L	General Physics II/Lab	4
D. Free Electives		**6**
Total Semester Hours Required for Degree		**125**

*Students must obtain a minimum grade of C in all Major Core Requirements and Related Area Course requirements.

(Note: CHEM 101/101L and CHEM 102/102L must be taken to satisfy the Natural Science requirements for General Education)

Curriculum Guide for Majors in Biology Pre-Medicine/Pre-Dentistry

Freshman Year

First Semester

Course and number		Semester hrs
BIOL 101	General Biology for Majors I/Lab	4
CHEM 101/L	General Chemistry I/Lab	4
GE 118	Pre Calculus	3
GE 102	English Composition & Grammar	3
GE 122	Freshman Seminar	1
GE 135	Introduction to Music Literature	2
		17

Second Semester

BIOL 102/L	General Biology for Majors II/Lab	4
CHEM 102	General Chemistry II/Lab	4
MATH 165	Calculus of Single Variable II	4
GE 103	English Composition & Vocabulary	3
GE 185	Health Concepts	2
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE	Physical Ed. Activity	1
BIOL 210	Genetics/L	3
CHEM 301/L	Organic Chemistry I/Lab	4
GE 140	World Civilization I	3
GE 201	World Literature I	3
PSY 212	General Psychology	3
		17

Second Semester

BIOL 341	Microbiology/Lab	4
CHEM 302/L	Organic Chemistry II/Lab	4
GE 141	World Civilization II	3
GE 202	World Literature II	3
GE	Social & Behavioral Science	3
		18

Junior Year

First Semester

Course and number		Semester hrs
PHYS 181/L	General Physics I/Lab	4
CHEM 401/L	Biochemistry I/Lab	4
BIOL 350	Introduction Experimental-Methods	3
BIOL 201	Composition Vert. Anat./Lab.	4
		15

Second Semester

PHY 182/L	General Physics II/Lab	4
BIOL 307	Human Physiology	4
CSC 115	Computer Science	3
BIOL 352	Frontiers in Molecular Biology	3
BIOL 207	Human Anatomy	4
		18

Senior Year

First Semester

Course and number		Semester hrs
BIOL 380	Cell Biology	3
BIOL 486	Scientific Writing	1
BIOL 487	Stat. Appli. In the Sciences	3
GE 130	Art Appreciation	2
	Free Electives	3
		12

Second Semester

BIOL 495	Biology Seminar	1
BIOL 443	Principles of Immunology	3
	Free Electives	3
GE	Physical Ed. Activity	1
BIOL 300/400	Biology Electives	4
		12

Total Requirements for the Degree **125**

ACADEMIC CONCENTRATION: Biology

BIOL 101	General Biology for Majors I/Lab	4
BIOL 102	General Biology for Majors II/Lab	4
BIOL 207	Human Anatomy/Lab	4
BIOL 307	Human Physiology/Lab	4
BIOL 341	Microbiology/Lab	4
BIOL 380	Cell Biology	3
BIOL 441	Genetics	3
BIOL 300	General Ecology	3
Total Semester Hours Required for Academic Concentration		**29**

MINOR: Biology

BIOL 101	General Biology for Majors I/Lab	4
BIOL 102	General Biology for Majors II/Lab	4
BIOL 201	Composition Vert. Anat./Lab	4
BIOL 307	Human Physiology/Lab	4
BIOL 341	Microbiology/Lab	4
Total Semester Hours Required for Minor		**20**

MINOR: Biotechnology

BIOL 101	General Biology for Majors I/Lab	4
BIOL 102	General Biology for Majors II/Lab	4
BIOL 350	Introduction Experimental-Methods	3
BIOL 405	Animal Biotechnology/Lab	4
BIOL 406	Plant Biotechnology/Lab	4
BIOL 490	Ethics in Biotechnology	1
Total Semester Hours Required for Minor		**20**

CHEM 101/L, 102/L are required prerequisites and CHEM 301/L is a required co-requisite for the Biotechnology minor.

MAJOR: B.S. Degree in Marine Environmental Science

A. General Education Core		**47**
B. *Major Core Requirements		**45**
Core Courses		**32**
BIOL 101	General Biology for Majors I/Lab	4
BIOL 102	General Biology for Majors II/Lab	4
BIOL 210	Genetics	3
BIOL 211	Organic Evolution	3
MAS 331	Marine Biology	3
MAS 333	Wetlands and Ocean Chemistry	4
BIOL 350	Introduction Experimental-Methods	3
MAS 402	Physical Oceanography	3
MAS 443	Coastal & Marine Resource Mgmt	3
BIOL 486	Scientific Writing	1
BIOL 495	Biology Seminar	1
Concentration or Cluster of Restricted Electives		**13**
MAS	Marine Science Electives	13
C. Related Area Course Requirements		**23**
CHEM 301/L	Organic Chemistry I/Lab	4
CHEM 302/L	Organic Chemistry II/Lab	4
MATH 165	Calculus of Single Variable I	4
STAT 251	Basic Statistics (or BIOL 487)	3
PHYS 181/L	General Physics I/Lab	4
PHYS 182/L	General Physics II/Lab	4
D. Free Electives		**9**
Total Semester Hours Required for Degree		**124**

*Students must obtain a minimum grade of C in all Major Core Requirements and Related Area Course Requirements.

(Note: CHEM 101/101L and CHEM 102/102L must be taken to satisfy the Natural Science Requirement for General Education)

Curriculum Guide for Majors in Marine Environmental Science

Freshman Year

First Semester

Course and number		Semester hrs
MUS 212	African American in Music	2
BIOL 101	General Biology for Majors I/Lab	4
CHEM 101/L	General Chemistry I/Lab	4
GE 118	Pre Calculus	3
GE 102	English Composition & Grammar	3
GE 122	Freshman Seminar	1
		17

Second Semester

BIOL 102/L	General Biology for Majors II/Lab	4
CHEM 102/L	General Chemistry II/Lab	4
MATH 165	Calculus of Single Variable I	4
GE 103	English Composition & Vocabulary	3
GE 130	Art Appreciation	2
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE	Physical Ed. Activity	1
BIOL 210	Genetics	3
CHEM 301/L	Organic Chemistry I/Lab	4
GE 140	World Civilization I	3

GE 201	World Literature I	3
PSY 212	General Psychology	3
		17

Second Semester

BIOL 211	Organic Evolution	3
CHEM 302/L	Organic Chemistry II/Lab	4
GE 141	World Civilization II	3
GE 202	World Literature II (or SPAN I01)	3
BFIN 210	Personal Finance	3
		16

Junior Year

First Semester

Course and number		Semester hrs
PHYS 181/L	General Physics I/Lab	4
	Free Elective	3
MAS 331	Marine Biology	3
CSC 115	Computer Science I	3
MAS	MAS Elective	3
		16

Second Semester

PHY 182/L	General Physics II/Lab	4
MAS 333	Wetlands & Ocean Chemistry	4
MAS	MAS Elective	3
	Physical Ed. Activity	1
GE 185	Health Concepts	2
		14

Senior Year

First Semester

Course and number		Semester hrs
MAS 402	Physical Oceanography	3
BIOL 486	Scientific Writing	1
BIOL 350	Introduction Experimental-Methods	3
MAS	MAS Elective	4
STAT 251	Basic Statistics (or BIOL 487)	3
		14

Second Semester

MAS 443	Coastal & Marine Resource Mgt	3
MAS	MAS Elective	3
BIOL 495	Biology Seminar	1
	Free Elective	6
		13

Total Requirements for the Degree **124**

MINOR: Marine Environmental Science

BIOL 101	General Biology for Majors I/Lab	4
BIOL 102	General Biology for Majors II/Lab	4
MAS 331	Marine Biology	3
MAS 333	Wetlands and Ocean Chemistry	4
MAS 402	Physical Oceanography	3
Total Semester Hours Required for Minor		**18**

Department of Chemistry, Geology, and Physics

The Department of Chemistry, Geology, and Physics exists to provide active, modern undergraduate programs in physical science. The department offers (a) B.S. in Chemistry, (b) B.S. in Chemistry with concentrations in biochemistry or pre-health professional concentrations in pre-dentistry, pre-physical therapy, pre-occupational therapy, pre-medicine, pre-medical technology or pre-pharmacy, (c) B.S. in Geology, (d) B.S. in Physics and (e) B.S. in Physics with concentrations in biophysics, aviation science, medical physics, or pre-health professional concentrations in pre-physical therapy and pre-medicine.

The Department offers introductory courses in several of these pre-health professional areas as Selected Special Topics in the respective concentrations.

Chemistry/Geology/Physics education licensure students must be formally admitted into the Teacher Education Program. Requirements for admission and retention can be found on the Teacher Education web site and in the ECSU University Catalog. These students will work with the Chemistry, Geology & Physics instructors and with the teacher education department to ensure eligibility and successful continuance in the program.

Objectives

To provide outstanding education in chemistry, geology, and physics that will make majors competitive for entry into graduate/professional schools or professional job market

To recruit and increase the number of majors who successfully complete the baccalaureate education

To enhance scholarly activities of students through providing (1) research internship opportunities on campus, nationally and internationally, and (2) opportunities to present research results at local, national and international symposia

To promote grantsmanship for academic and research enhancement for students

Chemistry, Geology, or Physics majors who aspire to teach in Secondary Schools (Grades 9-12) must select a minor in Secondary Education. Physics majors who are considering engineering as a graduate specialty should elect mathematics/computer science as a minor. The department offers minors in Chemistry, Geology, and Physics for students majoring in other disciplines. A minor may be earned by completing 20 semester hours of course work in either Chemistry or Physics.

In the Chemistry, Geology and Physics Degree Programs, each set of core courses in the major discipline area, including concentrations must be passed with a minimum grade of "C." The department operates on the premise that (1) there is no substitute for hard work, (2) relentless pursuit of excellence is the goal, (3) a "C" grade is inadequate for this pursuit and (4) failure is not an option. Consequently, no major may graduate with a "D" in the major and required courses.

MAJOR: B.S. Degree in Chemistry

A. General Education Core		**39**
GE 102	Composition and Grammar	3
GE 103	Composition and Vocabulary	3
GE 118	Pre Calculus	3
GE 122MST	Freshman Seminar	1
GE 130	Art Appreciation	2
MUS 207	African American in Music	2
GE 140	World Civilization I	3
GE 141	World Civilization II	3
GE 185	Health Concepts	2

GE 201	World Literature I	3
GE 202	World Literature II	3
PSY 212	General Psychology	3
SOC 201	Introduction to Sociology	3
	Physical Education	2
CSC 111	Introduction to Computer Science	3
B. Major Core Requirements		**52-54**
CHEM 101/101L	General Chemistry I/Lab	4
CHEM 102/102L	General Chemistry II/Lab	4
CHEM 200	Special Topics in General Chemistry	3
CHEM 202/202L	Quantitative Analysis/Lab	4
CHEM 205/205L	Inorganic Chemistry	4
CHEM 215	Introduction to Biomedical Science	3
CHEM 219	Basic Principles of Research	3
CHEM 301/301L	Organic Chemistry I/Lab	4
CHEM 302/302L	Organic Chemistry II/Lab	4
CHEM 395	Introduction to Neurochemistry	3
CHEM 401/401L	Biochemistry I/Lab	4
CHEM 403/403L	Physical Chemistry I	4
CHEM 425/425L	Advanced Organic Chemistry	4
CHEM 450	Chemistry: An Integrated Approach	3
CHEM 499	Chemical Research	1/2/3
C. Related Area Courses (Required)		**24**
BIOL 101/101L	General Biology I/Lab	4
BIOL 102/102L	General Biology II/Lab	4
PHYS 191/181L	University Physics I/Lab	4
PHYS 192/182L	University Physics II/Lab	4
MATH 165	Calculus I	4
MATH 265	Calculus II	4
D. Without Concentration		**11**
CHEM 404L	Physical Chemistry II/Lab	4
CHEM 405L	Instrumental Methods/Lab	4
CHEM 450	Chemistry: An Integrated Approach	3
Total Semester Hours Required for Degree		**126/128**

Curriculum Guide for Major in Chemistry

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122MST	Freshman Seminar	1
GE 140	World Civilization I	3
MUS 207	African Americans Music	2
GE	Physical Ed Activity	1
CHEM 101/101L	General Chemistry/Lab	4
		17

Second Semester

GE 103	Composition and Literature II	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
MATH 165	Calculus I	4
CHEM 102/102L	General Chemistry II/Lab	4
GE	Physical Ed. Activity	1
		16

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
CHEM 301/301L	Organic Chemistry/Lab	4
MATH 265	Calculus II	4
BIOL 101/101L	General Biology I/Lab	4
CHEM 200	Special Topics in Gen Chemistry	3
		18

Second Semester

GE 202	World Literature II	3
CHEM 302/302L	Organic Chemistry II/Lab	4
CHEM 219	Basic Principles of Research	3
BIOL 102/102L	General Biology II/Lab	4
CSC 111	Introduction to Computing	3
		17

Junior Year

First Semester

Course and number		Semester hrs
GE 185	Health Concepts	2
PSY 212	General Psychology	3
CHEM 215	Introduction to Biomed. Science	3
CHEM 202/202L	Quant. Analysis/Lab	4
CHEM 205/L	Inorganic Chemistry/Lab	4
		16

Second Semester

PHYS 191/181L	University Physics I/Lab	4
CHEM 405/L	Instrumental Methods/Lab	4
CHEM 401/L	Biochemistry I/Lab	4
SOC 201	Introduction to Sociology	3
		15

Senior Year

First Semester

Course and number		Semester hrs
CHEM 395	Introduction to Neurochemistry	3
CHEM 403/403L	Physical Chemistry I/Lab	4
CHEM 499	Chemical Research	1/2/3
PHYS 192/192L	University Physics II/Lab	4
		16

Second Semester

CHEM 404/404L	Physical Chemistry II/Lab	4
CHEM 415/L	Adv. Inorganic Chemistry/Lab	4
CHEM 450	Chemistry: An Integrated Approach	3
CHEM 405/405L	Instrumental Methods/Lab	4
		15

MAJOR: B.S. Degree in Chemistry with Concentrations

A. General Education Core		**39**
GE 102	Composition and Literature I	3
GE 103	Composition and Literature II	3
GE 118	Pre Calculus	3
GE 122MST	Freshman Seminar	1
GE 130	Art Appreciation	2
MUS 207	African Americans In Music	2
GE 140	World Civilization I	3
GE 141	World Civilization II	3
GE 185	Health Concepts	2
GE 201	World Literature I	3
GE 202	World Literature II	3
PSY 212	General Psychology	3
SOC 201	Introduction to Sociology	3
	Physical Education	2
CSC 111	Introduction to Computing	3
B. Major Core Requirements		**43**
CHEM 102/102L	General Chemistry II/Lab	4
CHEM 200	Special Topics in General Chemistry	3
CHEM 202/202L	Quantitative Analysis/Lab	4
CHEM 205	Inorganic Chemistry	3
CHEM 301/301L	Organic Chemistry I/Lab	4
CHEM 302/302L	Organic Chemistry II/Lab	4
CHEM 401/401L	Biochemistry I/Lab	4
CHEM 403/403L	Physical Chemistry I/Lab	4

CHEM 395	Introduction to Neuroscience	3
CHEM 499	Chemical Research	2
BIOL 101/101L	General Biology I/Lab	4
BIOL 102/102L	General Biology II/Lab	4
C. Concentration in Biochemistry		**9**
CHEM 402/L	Biochemistry II/Lab	4
CHEM 407/L	Applied Biochemistry I/Lab	4
BIOL 485	Medical Terminology	1
D. Concentration in Pre-Physical Therapy		**12**
*CHEM 253	Introduction to Physical Therapy	3
BIOL 207 207L	Human Anatomy/Lab	4
PHSC 210	Medical Calculations	1
BIOL 485	Medical Terminology	1
PE 300	Exercise Physiology	3
E. *Concentration in Pre-Dentistry		**16**
BIOL 307/L	Human Physiology/Lab	4
BIOL 341	Microbiology	3
BIOL 485	Medical Terminology	1
CHEM 402/402L	Biochemistry II/Lab	4
*CHEM 251	Introduction to Dentistry	3
F. Concentration in Pre-Medical Technology		**15**
BIOL 307/307L	Human Physiology/Lab	4
BIOL 341/341L	Microbiology/Lab	4
BIOL 485	Medical Terminology	1
*CHEM 250	Introduction to Medical Technology	2
PHSC 210	Medical Calculations	1
G. Concentration in Pre-Medicine		**15**
BIOL 207/207L	Human Anatomy/Lab	4
BIOL 307/307L	Human Physiology/Lab	4
CHEM 402/402L	Biochemistry II/Lab	4
H. Concentration in Pre-Pharmacy		**12**
STAT 251	Basic Statistics I	3
BIOL 341/L	Microbiology	4
BIOL 207/L	Human Anatomy	4
BIOL 485	Medical Terminology	1

Curriculum Guide for Major in Chemistry with a Concentration in Biochemistry

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122MST	Freshman Seminar	1
GE 140	World Civilization I	3
MUs 207	African Americans in Music	2
GE	Physical Ed. Activity	1
CHEM 101/101L	General Chemistry/Lab	4
		17

Second Semester

GE 103	Composition and Literature II	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
MATH 165	Calculus I	4
CHEM 102/102L	General Chemistry II/Lab	4
GE	Physical Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
CHEM 200	Spec Topics in Gen Chemistry	3
MATH 265	Calculus II	4
BIOL 101/101L	General Biology I/Lab	4
CHEM 301/L	Organic Chemistry/Lab	4
		18

Second Semester

GE 202	World Literature II	3
CHEM 302/L	Organic Chemistry II/Lab	4
BIOL 102/102L	General Biology II/Lab	4
CHEM 219	Basic Principles of Research	3
CSC 111	Introduction to Computing	3
		17

Junior Year

First Semester

Course and number		Semester hrs
BIOL 307/307L	Human Physiology/Lab	4
CHEM 202/L	Quantitative Chemistry/Lab	4
CHEM 401/L	Biochemistry I/Lab	4
GE 185	Health Concepts	2
CHEM 499	Chemical Research	1/2/3
		15

Second Semester

CHEM 402/L	Biochemistry II/Lab	4
PSY 212	General Psychology	3
SOC 201	Introduction to Sociology	3
CHEM 215	Introduction to Biomedical Science	3
BIOL 485	Medical Terminology	1
		14

Senior Year

First Semester

Course and number		Semester hrs
PHYS 191/191L	University Physics I/Lab	4
CHEM 395	Introduction to Neurochemistry	3
CHEM 403/403L	Physical Chemistry/Lab	4
CHEM 407/L	Applied Biochemistry I/Lab	4
		15

Second Semester

PHYS 192/192L	University Physics II/Lab	4
CHEM 450	Chemistry: An Integrated Approach	3
CHEM 205/L	Inorganic Chemistry/Lab	4
CHEM 425/L	Advanced Organic Chemistry	4
		15

Curriculum Guide for Major in Chemistry with a Concentration in Pre-Pharmacy

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122MST	Freshman Seminar	1
GE 140	World Civilization I	3
MUS 207	African Americans in Music	2
GE	Physical Ed. Activity	1
CHEM 101/L	General Chemistry/Lab	4
		17

Second Semester

GE 103	Composition and Literature II	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
MATH 165	Calculus I	4
CHEM 102/L	General Chemistry II/Lab	4
GE	Physical Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
CHEM 301/L	Organic Chemistry/Lab	4
MATH 265	Calculus II	4
BIOL 101/L	General Biology I/Lab	4
CHEM 200	Special Topics in Gen Chem.	3
		18

Second Semester

GE 202	World Literature II	3
BIOL 102/L	General Biology II/Lab	4
CHEM 302/L	Organic Chemistry II/Lab	4
CHEM 219	Basic Principles of Research	3
CSC 111	Introduction to Computing	3
		17

Junior Year

First Semester

Course and number		Semester hrs
BIOL 207/L	Human Anatomy/Lab	4
CHEM 202/L	Quantitative Chemistry	4
CHEM 401/L	Biochemistry I/Lab	4
GE 185	Health Concepts	2
*CHEM 499	Chemical Research	1/2/3
		15

Second Semester

BIOL 485	Medical Terminology	1
CHEM 215	Introduction to Biomedical Science	3
SOC 302	Race & Ethnic Relations	3
PSY 212	General Psychology	3
PHYS 191/191L	University Physics I/Lab	4
		14

Senior Year

First Semester

Course and number		Semester hrs
STAT 251	Basic Statistics	3
CHEM 403/L	Physical Chemistry/Lab	4
BIOL 341/L	Microbiology/Lab	4
CHEM 395	Introduction to Neurochemistry	3
		14

Second Semester

PHYS 192/192L	University Physics II/Lab	4
CHEM 425/L	Advanced Organic Chemistry	4
CHEM 450	Chemistry: An Integrated Approach	3
CHEM 205/L	Inorganic Chemistry/Lab	4
		15

Curriculum Guide for Major in Chemistry with a Concentration in Pre-Physical Therapy

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122MST	Freshman Seminar	1
GE 140	World Civilization I	3
MUS 207	African Americans in Music	2
GE	Physical Ed. Activity	1
CHEM 101/101L	General Chemistry I/Lab	4
		17

Second Semester

GE 103	Composition and Literature II	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
MATH 165	Calculus I	3
CHEM 102/102L	General Chemistry II/Lab	4
GE	Physical Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
CHEM 301/L	Organic Chemistry/Lab	4
GE 201	World Literature I	3
MATH 265	Calculus II	4
BIOL 101/101L	General Biology I/Lab	4
CHEM 200	Special Topics in General Chemistry	3
		18

Second Semester

GE 202	World Literature II	3
CHEM 302/L	Organic Chemistry II/Lab	4
BIOL 102/102L	General Biology II/Lab	4
CHEM 219	Basic Principles of Research	3
CSC 111	Introduction to Computing	3
		17

Junior Year

First Semester

Course and number		Semester hrs
CHEM 202/L	Quantitative Analysis/Lab	4
BIOL 207/L	Human anatomy/Lab	4
PSY 212	General Psychology	3
CHEM 205/L	Inorganic Chemistry/Lab	4
GE 185	Health Concepts	2
		17

Second Semester

CHEM 425/L	Advanced Organic Chemistry	4
SOC 201	Introduction to Sociology	3
CHEM 401/L	Biochemistry I/Lab	4
CHEM 215	Introduction to Biomedical Science	3
		14

Senior Year

First Semester

Course and number		Semester hrs
PHYS 191/L	University Physics I/Lab	4
CHEM 403/L	Physical Chemistry/Lab	4
CHEM 395	Introduction to Neurochemistry	3
CHEM 499	Chemical Research	1/2/3
PE 300	Exercise Physiology	3
		15

Second Semester

PHYS 192/L	University Physics II/Lab	4
CHEM 253	Introduction To Physical Therapy	3
BIOL 485	Medical Terminology	1
CHEM 450	Chemistry: An Integrated Approach	3
PHSC 210	Medical Calculations	1
		12

Curriculum Guide for Major in Chemistry with a Concentration in Pre-Dentistry

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122MST	Freshman Seminar	1
GE 140	World Civilization I	3
MUS 207	African Americans in Music	2

GE	Physical Ed. Activity	1
CHEM 101/L	General Chemistry I/Lab	4
		17

Second Semester

GE 103	Composition and Literature II	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
MATH 165	Calculus I	4
CHEM 102/L	General Chemistry II/Lab	4
GE	Physical Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
CHEM 301/L	Organic Chemistry/Lab	4
MATH 265	Calculus II	4
BIOL 101/L	General Biology I/Lab	4
CHEM 200	Special Topics in General Chem.	3
		18

Second Semester

GE 202	World Literature II	3
CHEM 302/L	Organic Chemistry II/Lab	4
BIOL 102/L	General Biology II/Lab	4
CHEM 219	Basic Principles of Research	3
CSC 111	Introduction to Computing	3
		17

Junior Year

First Semester

Course and number		Semester hrs
PSY 212	General Psychology	3
CHEM 401/L	Biochemistry I/Lab	4
SOC 201	Introduction to Sociology	3
BIOL 341/L	Microbiology/Lab	4
CHEM 205	Inorganic Chemistry	4
		18

Second Semester

CHEM 202/L	Quantitative Chemistry/Lab	4
CHEM 402/L	Biochemistry II/Lab	4
CHEM 251	Introduction to Dentistry	3
CHEM 215	Introduction to Biomedical Science	3
GE 185	Health Concepts	2
		16

Senior Year

First Semester

Course and number		Semester hrs
PHYS 191/191L	University Physics I/Lab	4
CHEM 395	Introduction to Neurochemistry	3
CHEM 403/L	Physical Chemistry/Lab	4
CHEM 425/L	Adv. Organic Chemistry/Lab	4
BIOL 485	Medical Terminology	1
		16

Second Semester

PHYS 192/192L	University Physic II/Lab	4
BIOL 307/L	Human Physiology/Lab	4
CHEM 499	Chemical Research	1/2/3
CHEM 450	Chemistry: An Integrated Approach	3
		14

Curriculum Guide for Major in Chemistry with a Concentration in Pre-Medical Technology

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122MST	Freshman Seminar	1
GE 140	World Civilization I	3
MUS 207	African Americans in Music	2
GE	Physical Ed. Activity	1
CHEM 101/L	General Chemistry/Lab	4
		17

Second Semester

GE 103	Composition and Literature II	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
MATH 165	Calculus I	4
CHEM 102/L	General Chemistry II/Lab	4
GE	Physical Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
CHEM 301/L	Organic Chemistry/Lab	4
MATH 265	Calculus II	4
BIOL 101/L	General Biology I/Lab	4
CHEM 200	Special Topics in General Chemistry	3
		18

Second Semester

GE 202	World Literature II	3
BIOL 102/L	General Biology II/Lab	4
CHEM 302/L	Organic Chemistry II/Lab	4
CHEM 219	Basic Principles of Research	3
CSC 111	Introduction to Computing	3
		17

Junior Year

First Semester

Course and number		Semester hrs
PHSC 210	Medical Calculations	1
CHEM 202/L	Quantitative Chemistry	4
CHEM 401/L	Biochemistry I/Lab	4
SOC 201	Introduction to Sociology	3
PSY 212	General Psychology	3
		15

Second Semester

BIOL 307/L	Human Physiology/Lab	4
CHEM 215	Introduction to Biomedical Science	3
CHEM 250	Introduction to Medical Tech	2
GE 185	Health Concepts	2
CHEM 205/L	Inorganic Chemistry	4
		15

Senior Year

First Semester

Course and number		Semester hrs
BIOL 485	Medical Terminology	1
PHYS 191/191L	University Physics I/Lab	4
CHEM 499	Chemical Research	1/2/3
BIOL 341	Microbiology	3
CHEM 395	Introduction to Neurochemistry	3
		13

Second Semester

PHYS 192/192L	University Physics II/Lab	4
CHEM 425/L	Advanced Organic Chemistry	4
CHEM 450	Chemistry: An Integrated Approach	3
CHEM 403/L	Physical Chemistry	4
		15

Curriculum Guide for Major in Chemistry with a Concentration in Pre-Medicine

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122MST	Freshman Seminar	1
GE 140	World Civilization I	3
MUS 207	African Americans in Music	2
GE	Physical Ed. Activity	1
CHEM 101/L	General Chemistry I/Lab	4
		17

Second Semester

GE 103	Composition and Literature II	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
MATH 165	Calculus I	4
CHEM 102/L	General Chemistry I/Lab	4
GE	Physical Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
CHEM 301/L	Organic Chemistry/Lab	4
MATH 265	Calculus II	4
BIOL 101/L	General Biology I/Lab	4
CHEM 200	Special Topics in General Chemistry	3
		18

Second Semester

GE 202	World Literature II	3
BIOL 102/L	General Biology II/Lab	4
CHEM 302/L	Organic Chemistry II/Lab	4
CHEM 219	Basic Principles of Research	3
CSC 111	Introduction to Computing	3
		17

Junior Year

First Semester

Course and number		Semester hrs
BIOL 207/L	Human Anatomy/Lab	4
CHEM 401/L	Biochemistry I/Lab	4
PSY 212	General Psychology	3
CHEM 202/L	Quantitative Chemistry/Lab	4
		15

Second Semester

BIOL 307/L	Human Physiology/Lab	4
CHEM 402/L	Biochemistry II/Lab	4
CHEM 205/L	Inorganic Chemistry	4
GE 185	Health Concepts	2
		14

Senior Year

First Semester

Course and number		Semester hrs
PHYS 191/191/L	University Physics I/Lab	4
CHEM 395/L	Introduction to Neurochemistry	3
CHEM 403/L	Physical Chemistry/Lab	4
CHEM 425/L	Advanced Organic Chemistry	4
CHEM 215	Introduction to Biomedical Science	3
		18

Second Semester

CHEM 450	Chemistry: An Integrated App.	3
PHYS 192/192L	University Physics II/Lab	4
SOC 201	Introduction to Sociology	3
CHEM 499	Chemical Research	1/2/3
		13

MAJOR: B.S. Degree in Geology

A. General Education Core		**47**
B. Major Core Requirements		**46-48**
Core Courses		**34**
GEOL 143	Historical Geology	4
GEOL 332	Geomorphology	3
GEOL 341	Mineralogy	3
GEOL 343	Sedimentology	3
GEOL 344	Stratigraphy	3
GEOL 440	Structural Geology	3
GEOL 441	Petrology	3
GEOL 444	Field Geology	3
GEOL 446	Summer Practical Internship	6
GEOL 496	Seminar in Geology	3
Restricted Electives		**12/14**
(Choose 17 Semester Credit Hours from the following)		
GEOL 135	The Age of Dinosaurs	3
GEOL 345	Paleontology	3
GEOL 348	Hydrogeology	3
GEOL 360	Principles of Geographic Information Syst.	4
GEOL 365	Introduction to Remote Sensing & Digital Image Processing	4
GEOG 221	Cartographic Principles	3
MAS 330	Coastal Geology	3
GEOL 442	Economic Geology	3
GEOL 461	Adv. Geographic Information Systems	4

C. Related Areas		**15-16**
CHEM 101/L	General Chemistry I/Lab	4
CHEM 102/L	General Chemistry II/Lab	4
PHYS 181/L	General Physics I/Lab	4
PHYS 182/L	General Physics II/Lab	4
BIOL 101/L	General Biology I/Lab	4
BIOL 102/L	General Biology II/Lab	4
D. Electives/Minor		**18**
Total Semester Hours required for Degree		**125-128**

Curriculum Guide for Majors in Geology

Freshman Year

First Semester

Course and number		**Semester hrs**
GE 102	English Composition and Literature	3
GE 115	College Algebra	3
GE 122MST	Freshman Seminar	1
GE 140	World Civilization I	3
GE 158/L	Principles of Geological/Lab	4
GE	Physical Ed. Activity	1
		15

Second Semester

GE 103	English Composition and Literature	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
GE 118	Pre Calculus	3
GEOL 143	Historical Geology	4
		15

Sophomore Year

First Semester

Course and number		**Semester hrs**
GEOL 341	Mineralogy	3
GE 201	World Literature I	3
GE 135	Introduction to Music Literature	2
GE	Physical Ed. Activity	1
CHEM 101/L	General Chemistry I/Lab	4
GE 142	Introduction to Geography	3
		16

Second Semester

GE 202	World Literature II	3
GEOG 201	World Geography	3
GEOL 332	Geomorphology	3
CHEM 102/L	General Chemistry II/Lab	4
GEOL 441	Petrology	3
		16

Junior Year

First Semester

Course and number		**Semester hrs**
GEOL 343	Sedimentology	3
PHYS 181/L	General Physics I/ Lab	4
CSC 115	Computer Science I	3
GEOL 440	Structural Geology	3
GEOL	Restricted Electives	3-4
		16-17

Second Semester

GEOG 221	Cartography	3
GEOL 344	Stratigraphy	3
GEOL 444	Field Geology	3
PSY 212	General Psychology	3
	Electives	3
		15

Summer School

GEOL 446	Practical Internship	6

Senior Year

First Semester

Course and number		**Semester hrs**
GEOL 345	Paleontology	3
GEOL 348	Hydrogeology	3
GEOL	Restricted Electives	3-4
	Electives	6
		15-16

Second Semester

	Electives	6
GEOL 496	Seminar in Geology	3
	Related Areas Elective	3-4
		12-13
Total Requirements for the Degree		**125-128**

MINOR: GIS/Remote Sensing

CSC 115	Computer Science I	3
GEOG 221	Cartographic Principles	3
GEOL 332	Geomorphology	3
GEOL 360	Principles Geographic Information System (GIS)	4
GEOL 365	Introduction to Remote Sensing and Digital Image Processing	4
GEOL 461	Advanced GIS	4
Total Hours Required for Minor		**21**

MINOR: Geology

GE 158/L	Principles of Geological Science/Lab	4
GEOL 143	Historical Geology	4
GEOL 332	Geomorphology	3
GEOL 341	Mineralogy	3
GEOL 345	Paleontology	3
GEOL 440	Structural Geology	3
Total Hours Required for Minor		**20**

MAJOR: B.S. Degree in Physics

A. General Education Core		**47-48**
GE 102	English Composition & Grammar	3
GE 103	English Composition & Vocabulary	3
GE 118	Pre Calculus	3
GE 122	Freshman Seminar	1
GE 135/130	Introduction to Mus. Lit/Art Appreciation	2
SPCH 214/314	College Speech/Public Speaking	2/3
GE 140	World Civilization I	3
GE 141	World Civilization II	3
GE 185	Health Concepts	2
GE 201	World Literature I	3
GE 202	World Literature II	3
CHEM 101/L	General Chemistry I/Lab	4
MATH 165	Cal. of a Single Variable I	3
BFIN 210	Personal Finance	3
SOC 201	Introduction to Sociology	3
	Physical Education	2
CSC 115	Computer Science I	3
B. Major Core Requirements		**39**
PHYS 191/181L	University Physics I/Lab	4
PHYS 192/182L	University Physics II/Lab	4
PHYS 193	University Physics III	3
PHYS 201	Mechanics I	3
PHYS 202	Mechanics II	3
PHYS 301	Electricity and Magnetism I	3
PHYS 302	Electricity and Magnetism II	3
PHYS 310	Optics	3
PHYS 320	Thermodynamics	3

PHYS 330	Junior Laboratory	2
PHYS 433	Senior Laboratory	2
PHYS 481	Modern Physics I	3
PHYS 490	Physics: An Integrated Approach	3
C. Concentration		**30**
1. Concentration in Aviation Science		**30**
a. Concentration core requirements		24
AVI 110	Introduction to Aeronautics	3
AVI 220	Air Transportation	3
AVI 232	Aviation Safety	3
AVI 314	Aviation Meteorology	3
AVI 315	Aviation Legislation	3
AVI 410	Aerodynamics and Aircraft Performance	3
AVI 413	Air Traffic Control	3
AVI 416	National Airspace System	3
b. Restricted Electives		6
Select nine semester hours from the following:		
* PHYS 203/L	Astronomy/Lab	4
PHYS 321	Electronics	3
PHYS 441	Mathematical Methods of Physics	3
PHYS 442	Mathematical Methods of Physics	3
PHYS 482	Modern Physics II	3
PHYS 484	Quantum Mechanics	3
PHYS 486	Physics Seminar	1
PHYS 499	Physics Research	2
PHYS 203/L	Astronomy/Lab	4
PHYS 487	Sound	3
* CHEM 102/L	General Chemistry II/Lab	4
2. Concentration in Medical Physics		**35**
a. Concentration core requirements		26
CHEM 301/L	Organic Chemistry I /Lab	4
CHEM 102/L	General Chemistry II/Lab	4
BIOL 101/L	General Biology I/Lab	4
BIOL 102/L	General Biology II/Lab	4
MATH 351	Linear Algebra	3
BIOL 202	General Physiology	3
BIOL 207	Human Anatomy	4
PHYS 470	Medical Physics	3
b. Restricted Electives		6
Select six semester hours from the following:		
PHYS 203/L	Astronomy/Lab	4
PHYS 321	Electronics	3
PHYS 441	Mathematical Methods of Physics	3
PHYS 442	Mathematical Methods of Physics	3
PHYS 482	Modern Physics II	3
PHYS 484	Quantum Mechanics	3
PHYS 486	Physics Seminar	1
PHYS 499	Physics Research	2
PHYS 487	Sound	3
3. Concentration in Biophysics		**30**
a. Concentration core requirements		24
CHEM 301/L	Organic Chemistry I/Lab	4
CHEM 401/L	Biochemistry I/Lab	4
BIOL 101/L	General Biology I/Lab	4
BIOL 102/L	General Biology II/Lab	4
BIOL 210	Genetics	3
BIOL 380	Cell Biology	3
BIOL 487	Stat. Appli. In the Science	1
BIOL 485	Medical Terminology	1
PHYS 402/L	Biophysics II/Lab	4
PHYS 401/L	Biophysics I/Lab	4
CHEM 102/L	General Chemistry II/Lab	4
4. Concentration in Pre-Medicine		**31**
a. Concentration core requirements		28
CHEM 301/L	Organic Chemistry I /Lab	4
CHEM 302/L	Organic Chemistry II/Lab	4
BIOL 101/L	General Biology I/Lab	4
BIOL 102/L	General Biology II/Lab	4
BIOL 207/L	Human Anatomy/Lab	4
BIOL 341	Microbiology	3
BIOL 485	Medical Terminology	1
CHEM 102/L	General Chemistry II/Lab	4
b. Restricted Electives		**3**
Select six semester hours from the following:		
PHYS 203/L	Astronomy/Lab	4
PHYS 321	Electronics	3
PHYS 441	Mathematical Methods of Physics	3
PHYS 442	Mathematical Methods of Physics	3
PHYS 482	Modern Physics II	3
PHYS 484	Quantum Mechanics	3
PHYS 486	Physics Seminar	1
PHYS 499	Physics Research	2
PHYS 481	Sound	3
5. Concentration in Pre-Physical Therapy		**33**
a. Concentration core requirements		33
BIOL 485	Medical Terminology	1
PSY 302	Human Development	3
*CHEM 253	Introduction to Physical Therapy	3
BIOL 101/L	General Biology I/Lab	4
BIOL 102/L	General Biology II/Lab	4
BIOL 207/L	Human Anatomy	4
BIOL 305	Histology	3
BIOL 307/L	Human Physiology	4
STAT 351	Probability & Statistics I	3
CHEM 102/L	General Chemistry II/Lab	4
STAT 352	Probability & Statistics II	3
6. Concentration in Secondary Education		**30-32**
a. Concentration core requirements		26
EDUC 201	Foundations of Education	3
PSY 302	Human Development	3
PSY 309	Educational Psychology	3
READ 320	Teaching Reading in Content Areas	2
EDUC 400	Senior Seminar for Education Majors	P/F
EDUC 430	Secondary Instructional Method	3
EDUC 474	Observation and Supervised Teaching in the Academic Discipline	6
EDUC 479	Multicultural Education	3
b. Restricted Electives		4-6
Select six semester hours from the following:		
PHYS 203/L	Astronomy/Lab	4
PHYS 321	Electronics	3
PHYS 441	Mathematical Methods of Physics	3
PHYS 442	Mathematical Methods of Physics	3
PHYS 482	Modern Physics II	3
PHYS 484	Quantum Mechanics	3
PHYS 486	Physics Seminar	1
PHYS 499	Physics Research	2
PHYS 487	Sound	3
CHEM 102/L	General Chemistry II/Lab	4
7. Related Areas Course Requirements		**15**
MATH 265	Cal. and single Variable II	4
MATH 267	Cal. and single Variable II	4
MATH 458	Differential Equations	3
Total Semester Hours required for Degree		**124-126**

Curriculum Guide for Majors in Physics

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122	Freshman Seminar	1
GE 140	World Civilization	3
GE	Physical Ed. Activity	1
CHEM 101/L	General Chemistry I/Lab	4
		15

Second Semester

GE 103	Composition and Literature II	3
GE 141	World Civilization II	3
GE 130	Art Appreciation	2
MATH 165	Calculus and Single Var. I.	4
CSC 115	Computer Science I	3
GE	Physical Ed. Activity	1
		16

Sophomore Year

First Semester

Course and number		Semester hrs
SPCH 214/314	College Spch/Pub. Spkg.	2/3
GE 201	World Literature I	3
MATH 265	Calculus and Single Var. II	4
PHYS 191/181L	Univ. Physics I/Lab	4
BFIN 210	Personal Finance	3
		15

Second Semester

GE 202	World Literature II	3
GE	Soc./Behavior. Science	3
GE 185	Health Concepts	2
MATH 267	Calculus and Single Var. III	4
PHYS 192/182L	Univ. Physics II/Lab	4
		16

Junior Year

First Semester

Course and number		Semester hrs
PHYS 201	Mechanics I	3
PHYS 301	Electricity and Magnetism I	3
PHYS 330	Jr. Laboratory	2
PHYS 193	Univ. Physics III	3
	Minor/Electives	4
		15

Second Semester

PHYS 202	Mechanics II	3
PHYS 302	Electricity and Magnetism II	3
MATH 458	Differential Equations	3
	Minor/Electives	6
		15

Senior Year

First Semester

Course and number		Semester hrs
PHYS 310	Optics	3
PHYS 433	Senior Laboratory	2
	Physics Elective	3
PHYS 481	Modern Physics I	3
	Minor Electives	6
		17

Second Semester

PHYS 320	Thermodynamics	3
PHYS 490	Physics: An Integrated Approach	3
	Physics Electives	6
	Minor Electives	3
		15

Curriculum Guide for Major in Physics with Concentration in Aviation Science

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122	Freshman Seminar	1
GE 140	World Civilization	3
GE	Phys. Ed. Activity	1
CHEM 101/L	General Chemistry./Lab	4
		15

Second Semester

GE 103	Composition and Literature II	3
GE 141	World Civilization II	3
GE 130	Art Appreciation	2
MATH 165	Calculus and Single Var. I	4
CSC	Computer Science I	3
GE	Phys. Ed. Activity	1
		16

Sophomore Year

First Semester

Course and number		Semester hrs
SPCH 214/314	College Spch/Pub Spkg.	2/3
GE 201	World Literature I	3
MATH 265	Calculus and Single Var. II	4
PHYS 191/181L	Univ. Phys. I/Lab	4
PSY 212	General Psychology	3
		16/17

Second Semester

GE 202	World Literature II	3
SOC 201	Introduction To Sociology	3
GE 185	Health Concepts	2
MATH 267	Calculus and Single Var. III	4
PHYS 192/182L	Univ. Phys. II/Lab	4
		16

Junior Year

First Semester

Course and number		Semester hrs
PHYS 201	Mechanics I	3
PHYS 301	Electricity and Magnetism I	3
MATH 257	Calculus & Analytic Geometry IV	3
PHYS 193	University Physics III	3
AVI 210	Introduction to Aeronautics	3
		15

Second Semester

PHYS 202	Mechanics II	3
PHYS 302	Electricity and Magnetism II	3
AVI 232	Aviation Safety	3
AVI 314	Aviation Meteorology	3
AVI 220	Air Transportation	3
PHYS 330	Junior Lab	2
		17

Senior Year

First Semester

Course and number		Semester hrs
PHYS 310	Optics	3
MATH 458	Differential Equations	3
AVI 315	Aviation Legisl.	3
AVI 410	Aerodyne. and Air	3
PHYS 481	Modern Physics I	3
PHYS 433	Senior Lab	2
		17

Second Semester

PHYS 320	Thermodynamics	3
PHYS 490	Physics: An Integrated Approach	3
	Elective	3
AVI 413	Air Traffic Control	3
AVI 416	Nat. Airspace Sys	3
		15

Curriculum Guide for Major in Physics with Concentration in Medical Physics

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Phys. Ed. Activity	1
CHEM 101/101L	General Chemistry/Lab	4
		15

Second Semester

GE 103	Composition and Literature II	3
GE 141	World Civilization II	3
GE 130	Art Appreciation	2
CHEM 102/102L	General Chemistry II/Lab	4
MATH 165	Calculus and Single Var. I	4
GE	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
SPCH 214/314	College Spch/Pub Spk.	2/3
GE 201	World Literature I	3
MATH 265	Calculus and Single Var. II	4
PHYS 191/191L	University Physics I/Lab	4
BIOL 101/101L	General Biology I/Lab	4
		17/18

Second Semester

GE 202	World Literature II	3
GE 185	Health Concepts	2
MATH 267	Calculus and Single Var. III	4
PHYS 192/192L	University Physics II/Lab	4
BIOL 102/102L	General Biology II/Lab	4
		17

Junior Year

First Semester

Course and number		Semester hrs
PHYS 201	Mechanics I	3
PHYS 301	Electricity & Magnetism I	3
PHYS 330	Junior Lab	2
PHYS 193	University Physics III	3
BIOL 207	Human Anatomy	4
		15

Second Semester

PHYS 202	Mechanics II	3
PHYS 302	Electricity & Magnetism II	3
PSY 212	General Psychology	3
SOC 201	Introduction to Sociology	3
CSC 115	Computer Science I	3
		15

Senior Year

First Semester

Course and number		Semester hrs
PHYS 310	Optics	3
PHYS 433	Senior Laboratory	2
CHEM 301/L	Organic Chemistry 1/Lab	4
MATH 351	Linear Algebra	3
PHYS 481	Modern Physics I	3
		15

Second Semester

PHYS 320	Thermodynamics	3
BIOL 202	Introduction to Physiology	3
	Elective	3
PHYS 490	Physics: An Integrated Approach	3
MATH 458	Differential Equations	3
		15

Curriculum Guide for Major in Physics with Concentration in Biophysics

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Physical Ed. Activity	1
CHEM 101/101L	General Chemistry/Lab	4
		15

Second Semester

GE 103	Composition and Literature II	3
GE 141	World Civilization II	3
GE 130	Art Appreciation	2
MATH 165	Calculus and Single Var. II	4
CHEM 102/102L	General Chemistry II/Lab	4
GE	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
SPCH 214/314	College Spch/Pub. Spkg.	2/3
GE 201	World Literature I	3
BIOL 101/101L	General Biology I/Lab	4
PHYS 191/181L	University Physics I/Lab	4
MATH 265	Calculus and Single Var. II	4
		17/18

Second Semester

GE 202	World Literature II	3
GE 185	Health Concepts	2
MATH 267	Calculus and Single Var. III	4
PHYS 192/192L	University Physics II/Lab	4
BIOL 102/102L	General Biology II/Lab	4
		17

Junior Year

First Semester

Course and number		Semester hrs
PHYS 201	Mechanics I	3
PHYS 301	Electricity & Magnetism I	3
PSY 212	General Psychology	3
PHYS 193	University Physics III	3
PHYS 211/L	Biophysics I/Lab	4
		16

Second Semester

PHYS 202	Mechanics II	3
PHYS 302	Electricity & Magnetism II	3
BIOL 380	Cell Biology	3
MATH 458	Differential Equations	3
PHYS 212/L	Biophysics II/Lab	4
		16

Senior Year

First Semester

Course and number		Semester hrs
PHYS 310	Optics	3
PHYS 330	Junior Laboratory	2

CHEM 301/L	Organic Chemistry I/Lab	4
PHYS 481	Modern Physics I	3
SOC 201	Introduction to Sociology	3
BIOL 485	Medical Terminology	1
		16

Second Semester

PHYS 320	Thermodynamics	3
BIOL 210	Genetics	3
CHEM 401/401L	Biochemistry I/Lab	4
PHYS 490	Physics: An Integrated Approach	3
PHYS 433	Senior Laboratory	1
CSC 115	Computer Science I	3
		17

Curriculum Guide for Major in Physics with Concentration in Pre-Medicine

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Physical Ed. Activity	1
CHEM 101/101L	General Chemistry/Lab	4
		15

Second Semester

GE 103	Composition and Literature II	3
GE 141	World Civilization II	3
GE 130	Art Appreciation	2
MATH 165	Calculus and Single Var. I	4
CHEM 102/102L	General Chemistry II/Lab	4
GE	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
SPCH 214/314	College Spch/Pub Spkg.	2/3
GE 201	World Literature I	3
MATH 265	Calculus and Single Var. II	4
PHYS 191/191L	University Phys. I/Lab	4
PSY 212	General Psychology	3
		16/17

Second Semester

GE 202	World Literature II	3
SOC 201	Introduction Sociology	3
GE 185	Health Concepts	2
MATH 267	Calculus and Single Var III	4
PHYS 192/192L	University Physics II/Lab	4
		16

Junior Year

First Semester

Course and number		Semester hrs
PHYS 201	Mechanics I	3
PHYS 301	Electricity & Magnetism I	3
	Minor/Electives	3
PHYS 193	University Physics III	3
BIOL 101/101L	General Biology I/Lab	4
		16

Second Semester

PHYS 202	Mechanics II	3
PHYS 302	Electricity & Magnetism II	3
BIOL 102/L	General Biology II/Lab	4
MATH 458	Differential Equations	3
PHYS 310	Optics	3
		16

Senior Year

First Semester

Course and number		Semester hrs
CHEM 301/301L	Organic Chemistry I/Lab	4
PHYS 330	Junior Laboratory	2
CSC 115	Computer Science	3
BIOL 485	Medical Terminology	1
BIOL 341	Microbiology	3
PHYS 481	Modern Physics I	3
		16

Second Semester

PHYS 320	Thermodynamics	3
PHYS 490	Physics: An Integrated Approach	3
CHEM 302/L	Organic Chemistry II/Lab	4
BIOL 207/L	Human Anat./Lab	4
PHYS 433	Senior Laboratory	2
		16

Curriculum Guide for Major in Physics with Concentration in Pre-Physical Therapy

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Physical Ed. Activity	1
CHEM 101/101L	General Chemistry/Lab	4
GE 185	Health Concepts	2
		17

Second Semester

GE 103	Composition and Literature II	3
GE 141	World Civilization II	3
GE 130	Art Appreciation	2
MATH 165	Calculus and Single Var. I	4
CHEM 102/102L	General Chemistry II/Lab	4
GE	Physical Ed. Activity	1
		17

Sophomore Year

First Semester

Course and number		Semester hrs
SPCH 214/314	College Spch/Pub Spkg.	2/3
GE 201	World Literature I	3
MATH 265	Calculus and Single Var. II	4
PHYS 191/191L	University Physics I/Lab	4
BIOL 101/101L	General Biology I/Lab	4
		17

Second Semester

GE 202	World Literature II	3
SOC 201	Introduction to Sociology	3
BIOL 102/L	General Biology II/Lab	4
PHYS 192/192L	University Physics II/Lab	4
MATH 267	Calculus & Single Var. IIII	4
		18

Junior Year

First Semester

Course and number		Semester hrs
PHYS 201	Mechanics I	3
PHYS 301	Electricity & Magnetism I	3
PHYS 193	University Physics III	3

STAT 351	Probability and Statistics I	3
PSY 212	General Psychology	3
PHYS 330	Junior Lab	2
		17

Second Semester

PHYS 202	Mechanics II	3
PHYS 302	Electricity & Magnetism II	3
PHYS 433	Senior Lab	2
*CHEM 253	Introduction to Physical Therapy	3
STAT 352	Probability and Statistics II	3
MATH 458	Differential Equations	3
		17

Senior Year

First Semester

Course and number		Semester hrs
PHYS 310	Optics	3
BIOL 207/L	Human Anatomy	4
*CHEM 253	Introduction to Physical Therapy	3
BIOL 305	Histology	3
PHYS 481	Modern Physics I	3
		16

Second Semester

PHYS 320	Thermodynamics	3
CSC 115	Computer Science I	3
BIOL 485	Medical Terminology	1
BIOL 307/L	Human Physiology/Lab	4
PHYS 490	Physics: An Integrated Approach	3
PSY 302	Human Development	3
		17

Curriculum Guide for Major in Physics with Minor in Secondary Education

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	Composition and Literature I	3
GE 118	Pre Calculus	3
GE 122	Freshman Sem.	1
GE 140	World Civilization	3
GE	Physical Ed. Activity	1
CHEM 101/L	General Chemistry/Lab	4
		15

Second Semester

GE 103	Composition and Literature II	3
GE 141	World Civilization II	3
GE 130	Art Appreciation	2
MATH 165	Calculus and Single Var. I	4
CSC 115	Computer Science I	3
GE	Physical Ed. Activity	1
		16

Sophomore Year

First Semester

Course and number		Semester hrs
SPCH 214/314	College Spch/Pub Spkg.	2/3
GE 201	World Literature I	3
MATH 265	Calculus and Single Var. II	4
PHYS 191/181L	Univ. Phys. I/Lab	4
GE	Soc/Behavior. Science	3
		16/17

Second Semester

GE 202	World Literature II	3
SOC 201	Introduction to Sociology	3
GE 185	Health Concepts	2
MATH 267	Calculus and Single Var. III	4
PHYS 192/192L	University Physics II/Lab	4
		16

Junior Year

First Semester

Course and number		Semester hrs
PHYS 201	Mechanics I	3
PHYS 301	Electricity and Magnetism I	3
	Minor/Electives	3
PSY 309	Education Psychology	3
PSY 212	General Psychology	3
		15

Second Semester

PHYS 202	Mechanics II	3
PHYS 302	Electricity and Magnetism II	3
PHYS 330	Junior Lab	2
EDUC 201	Foundations of Education	3
EDUC 479	Multicultural Education	3
MATH 458	Differential Equations	3
		17

Senior Year

First Semester

Course and number		Semester hrs
PHYS 310	Optics	3
PHYS 433	Senior Laboratory	2
PHYS 441	Math. of Physics I	3
EDUC 430	Sec. Inst. Methods	3
PHYS 481	Modern Physics I	3
READ 320	Teaching Reading in Content Areas	3
		17

Second Semester

PHYS 320	Thermodynamics	3
PHYS 490	Physics: An Integrated Approach	3
PHYS 193	University Physics III	3
EDUC 400	Senior Seminar	P/F
EDUC 474	Obser/Super Student Teaching	6
		15

MINOR: Chemistry

Required Courses		**17**
CHEM 101/101L	General Chemistry I/Lab	3/1
CHEM 102/102L	General Chemistry II/Lab	3/1
CHEM 202/202L	Quantitative Analysis/Lab	2/2
CHEM 301/301L	Organic Chemistry I/Lab	3/1
Select One Course From The Following		**4**
CHEM 302/302L	Organic Chemistry II/Lab	3/1
OR		
CHEM 401/401L	Biochemistry/Lab	3/1
OR		
CHEM 403/403L	Physical Chemistry I/Lab	3/1
Total Semester Hours Required for Minor		**20**

MINOR: Physics

Required Courses		**17**
PHYS 191/181L	University Physics I/Lab	3/1
PHYS 192/182L	University Physics II/Lab	3/1
PHYS 201	Mechanics I	3
PHYS 301	Electricity and Magnetism I	3
PHYS 310	Optics	3
Select One Course From The Following		**3**
PHYS 202	Mechanics II	3
OR		
PHYS 302	Electricity and Magnetism II	3
OR		
PHYS 320	Thermodynamics	3
Total Semester Hours Required for Minor		**20**

Department of Mathematics and Computer Science

The Department of Mathematics and Computer Science offers undergraduate programs leading to Bachelor of Science degrees in both Mathematics and Computer Science. The department also offers minors in Mathematics and Computer Science. A graduate program leading to a Master of Science degree has been added, with concentrations in Applied Mathematics, Mathematics Teaching, and Remote Sensing. Its 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 or Computer Science establishes an excellent background for graduate studies in many areas such as Mathematics, Actuarial Science, Computer Science, Statistics, Engineering, Operations Research, 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 and/or Middle Grades 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 or with a minor in Mathematics or Computer Science are required to have a "C" or better grade in all core and related area courses to meet the departmental standards and approval to be recommended for graduation.

MAJOR: B.S. in Computer Science with Scientific Concentration

A. General Education courses		**46**
B. Major requirements		**56**
Core Requirements		**33**
CSC 160	Computer Science Orientation Seminar	1
CSC 215	Computer Science II	3
CSC 218	Data Structures	3
CSC 230	Modern Programming Applications	3
CSC 240	Modern Programming Protocols	3
CSC 314	Computer Architecture and Organization	3
CSC 315	Programming Languages and Human-Computer Interaction	3
CSC 325	Database and Intelligent Systems	3
CSC 360	Junior Seminar in Computer Science	1
CSC 410	Net-Centric Computing	3
CSC 420	Operating Systems	3
CSC 412	Software Engineering	3
CSC 460	Senior Seminar in Computer Science	1
Related Area Requirements		**17**
MATH 165	Calculus I	4
MATH 265	Calculus II	4
MATH 262	Discrete Mathematics	3
MATH 351	Linear Algebra	3
STAT 351	Probability and Statistics	3
Discipline Area Electives		**6**
Choose any two of the following courses.		
CSC 200	Computer Hardware Essentials	3
CSC 300	Introduction to Mobile Robotics	3
CSC 400	Algorithms and Complexity	3
CSC 409	Artificial Intelligence	3
CSC 413	Systems Analysis and Design	3
CSC 415	Computer Graphics	3
CSC 421	Special Topics in Computer Science	3
CSC 430	Undergraduate Research in Computer Science	3
CSC 451	Numeric and Symbolic Computing	3
CSC 452	Internship	3
MATH 462	Mathematics Modeling	3
ENGL 401	Technical Writing	3
C. Minor/Free Electives (Minor required)		**22 Hrs**
Total hrs required for the degree		**124**

Take CSC 115 Computer Science I, GE 115 College Algebra, GE 118 Pre Calculus, PHYS 191/191L University Physics with Lab, and SPCH 314 Public Speaking towards the GE requirements..

Select a minor other than Computer Science offered by the School of Mathematics, Science and Technology. For minor in Mathematics, replace the credits of Mathematics courses in the Related Area Requirements which are also among the Mathematics minor courses by credits of any additional Mathematics courses.

Curriculum for Major in Computer Science with the Scientific Concentration

Freshman Year

First Semester

Course and number		Semester hrs
GE	Physical Activity I	1
GE 102	English Composition and Grammar	3
GE 140	World Civilization I	3
GE 135	Introduction to Music	2
GE 122	Freshman Seminar	1
GE	Fine Arts Course	2
CSC 115	Computer Science I	3
		15

Second Semester

GE 118	Pre Calculus	3
GE 103	English Composition and Vocabulary	3
GE 141	World Civilization II	3
GE	Physical Ed. Activity II	1
CSC 160	CS Major Orientation Seminar	1
CSC 215	Computer Science II	3
GE 185	Health Concepts	2
		16

Sophomore Year

First Semester

Course and number		Semester hrs
MATH 165	Calculus I	4
GE 201	World Literature	3
CSC 218	Data Structures	3
GE	Social & Behavioral Science	3
CSC 230	Modern Programming Applications	3
		16

Second Semester

MATH 265	Calculus II	4
GE 202	World Literature II	3
GE	Social & Behavioral Science	3
	Minor Course I	3
	Free Elective	3
		16

Junior Year

First Semester

Course and number		Semester hrs
CSC 314	Computer Architecture	3
PHYS 191/L	University Physics I/Lab	4
SPCH 314	Public Speaking	3
MATH 351	Linear Algebra	3
	Minor Course II	3
		16

Second Semester

CSC 360	Junior Seminar in CS	1
CSC 240	Modern Programming Protocols	3
CSC 315	Programming Languages	3
STAT 351	Probability and Statistics I	3
MATH 262	Discrete Mathematics	3
	Minor Course III	3
		16

Senior Year

First Semester

Course and number		Semester hrs
CSC 410	Net-Centric Computing	3
CSC 420	Operating Systems	3
CSC 412	Software Engineering	3
CSC 460	Senior Seminar in CS	1
CSC	Elective II	3
	Minor Course IV	3
		16

Second Semester

	Free Elective	3
CSC	Elective II	3
	Minor Course V	3
	Minor Course VI	3
CSC 325	Database and Intelligent Sys	3
		15

MAJOR: B. S. in Computer Science with Business/Liberal Arts Concentration

A. General Education courses		**46**
B. Major requirements		**54**
Core Requirements		**36**
CSC 160	Computer Science Orientation Seminar	1
CSC 215	Computer Science II	3
CSC 218	Data Structures	3
CSC 230	Modern Programming Applications	3
CSC 240	Modern Programming Protocols	3
CSC 314	Computer Architecture and Organization	3
CSC 315	Programming Languages and Human-Computer Interaction	3
CSC 325	Database and Intelligent Systems	3
CSC 360	Junior Seminar in Computer Science	1
CSC 410	Net-Centric Computing	3
CSC 420	Operating Systems	3
CSC 412	Software Engineering	3
CSC 413	Systems Analysis and Design	3
CSC 460	Senior Seminar in Computer Science	1
Related Area Requirements		**12**
MATH 153	Differential and Integral Calculus	3
MATH 262	Discrete Mathematics	3
MATH 351	Linear Algebra	3
STAT 251	Basic Statistics	3
Discipline Area Electives		**6**
Choose any two of the following courses		
CSC 200	Computer Hardware Essentials	3
CSC 300	Introduction to Mobile Robotics	3
CSC 400	Algorithms and Complexity	3
CSC 409	Artificial Intelligence	3
CSC 415	Computer Graphics	3
CSC 421	Special Topics in Computer Science	3
CSC 430	Undergraduate Research in Computer Science	3
CSC 452	Internship	3
MATH 462	Mathematics Modeling	3
ENGL 401	Technical Writing	3
C. Minor/Free electives (Minor required)		**24**
Total hrs required for the degree		**124**

Take CSC 115 Computer Science I and GE 115 College Algebra, GE 118 Pre Calculus, and SPCH 314 Public Speaking towards the GE requirements.

Select a minor offered by any school other than the School of Mathematics, Science and Technology.

Curriculum for Major in Computer Science with the Business/Liberal Arts Concentration

Freshman Year

First Semester

Course and number		Semester hrs
GE	Physical Activity I	1
GE 102	English Composition and Grammar	3
GE 140	World Civilization I	3
GE 135	Introduction to Music	2
GE 122	Freshman Seminar	1
GE	Fine Arts Course	2
CSC 115	Computer Science I	3
		15

Second Semester

GE 118	Pre Calculus	3
GE 103	English Composition and Vocabulary	3
GE 141	World Civilization II	3
GE	Physical Ed. Activity II	1
CSC 160	CS Major Orientation Seminar	1
CSC 215	Computer Science II	3
GE 185	Health Concepts	2
		16

Sophomore Year

First Semester

Course and number		Semester hrs
MATH 153	Differential and Integral Cal	3
GE 201	World Literature	3
CSC 218	Data Structures	3
GE	Social & Behavioral Science	3
CSC 240	Modern Programming Protocols	3
		15

Second Semester

STAT 251	Basic Statistics	3
GE 202	World Literature II	3
GE	Social & Behavioral Science	3
CSC 230	Modern Programming Applications	3
	Minor Course I	3
		15

Junior Year

First Semester

Course and number		Semester hrs
CSC 314	Computer Architecture	3
GE	Science with Lab	4
SPCH 314	Public Speaking	3
MATH 351	Linear Algebra	3
	Minor Course II	3
		16

Second Semester

CSC 360	Junior Seminar in CS	1
CSC 315	Programming Languages	3
MATH 262	Discrete Mathematics	3
STAT 251	Basic Statistics I	3
	Minor Course III	3
CSC	Elective I	3
		16

Senior Year

First Semester

Course and number		Semester hrs
CSC 410	Net-Centric Computing	3
CSC 420	Operating Systems	3
CSC 412	Software Engineering	3
CSC 460	Senior Seminar in CS	1
CSC	Elective II	3
	Minor IV	3
		16

Second Semester

CSC 413	System Analysis and Design	3
CSC 325	Database and Intelligent Sys	3
	Minor V	3
	Minor VI	3
CSC	Elective II	3
		15

MAJOR: B. S. in Mathematics

A. General Education courses		**46**
B. Math requirements		**51**
Core Requirements		**39**
MATH 165	Calculus of a single variable I	4
MATH 265	Calculus of a single variable II	4
MATH 267	Calculus of several variables III	4
MATH 275	Foundations of Mathematics	2
MATH 350	Number Theory	3
MATH 351	Linear Algebra	3
MATH 354	Abstract Algebra I	3
MATH 450	Advanced Calculus	3
MATH 451	History of Mathematics	3
MATH 455	Elements of Real Analysis	3
MATH 458	Differential Equations	3
STAT 351	Probability and Statistics I	3
MATH 465	Exit Seminar in Mathematics	1
Discipline Area Electives		**12**
Select any four of the following courses.		
MATH 352	College Geometry	3
MATH 262	Discrete Methods	3
MATH 366	Complex Variables	3
MATH 400	Operations Research Techniques	3
MATH 452	Internship	3
MATH 459/460	Special Studies in Math	
MATH 454	Abstract Algebra II	3
MATH 456	Contemporary Issues in Math	3
MATH 462	Math Modeling	3
MATH 464	Applied Mathematics	3
STAT 352	Probability & Statistics	3
C. Related Area Requirements		**3**
CSC 215	Computer Science II	3
OR		
CSC 230	Modern Programming Applications	3
D. Minor/Electives (required minor or a double major)		**24**
Total Hrs required for the degree		**124**

Take CSC 115 Computer Science I, GE 115 College Algebra, GE 118 Pre Calculus, PHYS 191/L, and PHYS 192/L University Physics I and II towards the GE requirements in Math/Science area.

Select any minor other than Mathematics listed in the catalog. For Computer Science minor, replace the Computer Science course in the Related Area Requirements by any other Computer Science course not in the minor.

Curriculum for Mathematics Major

Freshman Year

First Semester

Course and number		Semester hrs
GE 118	Pre Calculus	3
GE 122	Freshman Seminar	1
GE 102	Composition and Grammar	3
GE 135	Introduction to Music Lit	2
GE 140	World Civilization I	3
GE	Physical Activity I	1
GE 185	Health Concepts	2
		15

Second Semester

MATH 157	Calculus I	4
CSC 115	Computer Science I	3
GE 103	Composition and Vocabulary	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
GE	Physical Activity II	1
		16

Sophomore Year

First Semester

Course and number		Semester hrs
MATH 265	Calculus II	4
CSC 215	Computer Science II	3
OR		
CSC 230	Modern Programming Applications	3
PHY 191/L	University Physics I with Lab	4
GE	Lit & Language II	3
GE	Sociol & Behavior I	3
		17

Second Semester

MATH 256	Calculus III	4
MATH 275	Foundation of Math	2
GE 201	World Lit I	3
PHY 192/L	University Physics II with Lab	4
GE	Sociol & Behavior II	3
		16

Junior Year

First Semester

Course and number		Semester hrs
MATH 350	Number Theory	3
MATH 351	Linear algebra	3
	Math Elective I & II	6
	Minor/Elective I	3
		15

Second Semester

STAT 351	Probability & Statistics I	3
	Math Elective III & IV	6
	Minor/Elective II	3
MATH 354	Abstract Algebra I	3
		15

Senior Year

First Semester

Course and number		Semester hrs
MATH 450	Advanced Calculus	3
MATH 458	Differential Equations	3
MATH 465	Exit Seminar in Math	1
	Minor/Elective III, IV, & V	9
		16

Second Semester

MATH 451	History of Math	3
MATH 455	Real Analysis	3
	Minor/Elective VI, VII, & VIII	9
		15

Minor Areas Offered in the Department

MINOR: Computer Science

CSC 215	Computer Science II	3
CSC 218	Data Structures	3
CSC 314	Computer Architecture	3
CSC 315	Programming Languages	3
CSC 325	Database	3
CSC 410	Net-Centric Computing	3
CSC 420	Operating Systems	3
Total hrs required for minor		**21**

MINOR: Mathematics

MATH 165	Calculus of a Single Variable I	4
MATH 265	Calculus of a Single Variable II	4
MATH 267	Calculus of Several Variables III	4
MATH 351	Linear Algebra	3
MATH 458	Differential Equations	3
STAT 351	Probability and Statistics I	3
Total hrs required for minor		**21**

Department of Pharmacy and Health Professions

The Department of Pharmacy and Health Professions is an academic unit within the School of Mathematics, Science and Technology, offering baccalaureate degree programs in Pharmaceutical Science and advises students majoring in Pre-Pharmacy and students selecting a minor in Public Health. The Pharmaceutical Sciences are a group of related biomedical disciplines which encompass the basic physical, chemical, and biological sciences. The B.S. Pharmaceutical Science degree may be completed with a concentration in Clinical Science or a concentration in Biotechnology. Additionally, as part of the UNC-Chapel Hill/ECSU Pharmacy Partnership Program, the B.S. Pharmaceutical Science degree is awarded to students enrolled in the Doctor of Pharmacy degree program, after the successful completion of all prerequisites and the second year of the professional program.

The mission of the Department is to provide a quality education that prepares a diverse student body for rewarding professional career opportunities and graduate programs in the pharmaceutical sciences and public health.

MAJOR: B.S. Degree in Pharmaceutical Science

The B.S. Pharmaceutical Science degree is a four-year health sciences program designed to prepare students for positions in the pharmaceutical industry and for advanced study in health professional schools (Medical, Pharmacy, Public Health, etc.) or graduate programs. This degree differs from the Doctor of Pharmacy degree in that it is a non-licensure program. The first two years of the B.S. Pharmaceutical Science degree is the same as the pre-professional curriculum for admission into many Doctor of Pharmacy degree programs. The remaining two years will be delivered through two concentrations: (1) Clinical Science and or (2) Biotechnology.

Curriculum Guide for Major in Pre-Pharmacy

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition and Grammar	3
BIOL 101	General Biology for Majors I	4
CHEM 101	General Chemistry I/L	4
GE 122 MST	Freshman Seminar	1
GE 140	World Civilization	3
SPAN 101	Elementary Spanish	3
		18

Second Semester

GE 103	English Composition and Vocabulary	3
BIOL 102	General Biology for Majors II	4
CHEM 102	General Chemistry II/Lab	4
MATH 165	Calculus I	4
PHIL 250	Introduction to Philosophy	
OR		
PHIL 251	Social/Political Phil.	3
		18

Sophomore Year

First Semester

Course and number		Semester hrs
BIOL 341	Microbiology/Lab	4
CHEM 301	Organic Chemistry I/Lab	4
PHYS 181	General Physics I/Lab	4
SOC 302	Race and Ethnic Relations	3
GE 201	World Literature I	3
		18

Second Semester

BIOL 207	Human Anatomy	4
CHEM 302	Organic Chemistry II/Lab	4
PHYS 182	General Physics II/Lab	4
SPCH 314	Public Speaking	3
STAT 251	Basic Statistics I	3
		18

MAJOR: B.S. Pharmaceutical Science (Concentration Clinical Science)

Junior Year

First Semester

Course and number		Semester hrs
PHSC 200	Introduction Pharmaceutical Science	1
CHEM 401	Biochemistry I/Lab	4
PHSC 210	Medical Calculations	1
GE 141	World Civilization II	3
BIOL 485	Medical Terminology	1
PHSC 220	Cultural Competency & Comm	1
CSC 115	Computer Science I	3
		14

Second Semester

PHSC 300	Principles of Pharmacology	3
CHEM 402	Biochemistry II/Lab	4
BIOL 490	Ethics in Biotech (or BIOL 491)	1
PHSC 400	Introduction to Clinical Trials Process	2
PE	Health Activity	1
GE 185	Health Concepts	2
PHSC 355	Healthcare Informatics	2
		15

Senior Year

First Semester

Course and number		Semester hrs
BIOL 307	Human Physiology /Lab	4
BIOL 486	Scientific Writing	1
CHEM 430	Introduction to Medicinal Chemistry	3
PHSC 460	Clinical Technology	2
GE 130	Art Appreciation	
OR		
GE 135	Introduction to Music Literature	
OR		
THEA 321	Appreciation of Drama	2
PHSC 410	Clinical Trials Mgt & Research	2
		14

Second Semester

BIOL 463	Introduction to Biostatistics	
OR		
BIOL 487	Stat App in Sciences	3
PHSC 360	Pathophysiology	3
PHSC 450	Health Law & Reg. Compliance	2
PHSC 350	Medical Assessment	3
PHSC 499	Clinical Research Seminar	1
PE	Health Activity	1
		13

Total Requirements for the Degree **128**

Students must obtain a minimum grade of C in all Major Core Requirements

MAJOR: B.S. Pharmaceutical Science (Concentration Biotechnology)

Junior Year

First Semester

Course and number		Semester hrs
PHSC 200	Introduction Pharmaceutical Science	1
CHEM 401	Biochemistry I/Lab	4
BIOL 350	Introduction to Experimental Methods	3
GE 141	World Civilization II	3
CHEM 430	Introduction to Medicinal Chemistry	3
CSC 115	Computer Science I	3
		17

Second Semester

PHSC 300	Principles of Pharmacology	3
CHEM 402	Biochemistry II/Lab	4
BIOL 463	Introduction to Biostat (or BIOL 487)	3
PHSC 450	Health Law & Reg. Compliance	2
PE	Health Activity	1
GE 185	Health Concepts	2
		15

Senior Year

First Semester

Course and number		Semester hrs
CHEM 405	Instrumental Methods of Chemistry	4
BIOL 486	Scientific Writing	1
PHSC 380	Drug Discovery & Design	4
BIOL 488	Computer Appl Sciences	1
	Elective	3
		13

Second Semester

BIOL 490	Ethics in Biotechnology	1
BIOL 460	Adv Exp Meth (BIOL 405/406)	4
BIOL 495	Biology/Biotechnology Seminar	1
BIOL 499	Biological Res (CHEM 499)	3
GE 130	Art Appreciation	
OR		
GE 135	Introduction to Music Lit.	
OR		
THEA 321	Appreciation of Drama	2
PE	Health Activity	1
		12

Total Requirements for the Degree **127/128**

Students must obtain a minimum grade of C in all Major Core Requirements

Minor in Public Health

The study of Public Health assures that the conditions of society promote healthy people through programs that address the physical, mental, and environmental health concerns of communities, and populations at risk for disease and injury. Students who minor in public health will be more competitive applicants into graduate programs in public health that award the Master of Public Health (MPH) and/or Doctor of Public Health (DrPH) degree. The three public health functions are: 1) the assessment and monitoring of the health of communities to identify health problems and priorities, 2) the formulation of public policies in collaboration with community and government to solve identified health problems, and 3) the assurance that all populations have access to appropriate and cost-effective health care.

MINOR: Public Health

PHS 110	Introduction to Public Health	3
PHS 210	Community Health, Safety & Diseases	3
PHS 310	Environmental Health & Sanitation	3
PHS 322	Principles of Epidemiology	3
PHS 410	Public Health and Bioterrorism	3

(PHS 420 required plus any two other 421-425 series courses)

PHS 420*	Local Agency Experience	2-3
PHS 421	State Agency Experience	2-3
PHS 422	Federal Agency Experience	2-3
PHS 423	Non-Profit Organization Experience	2-3
PHS 424	Private Organization Experience	2-3

PHS 425	International Experience	2-3
Additional courses counted toward the Public Health Minor:		
BIOL 463	Introduction to Biostatistics (or BIOL 487)	3
PHCY 801	Public Health Perspectives of Pharmacy	3
PHCY 802	Introduction to Health Disparities	3
Total Semester Hours Required for Minor		**21**

Department of Technology

The Department of Technology is an academic unit within the School of Mathematics, Science and Technology, offering baccalaureate degree programs in Engineering Technology, Industrial Technology and Aviation Science. The mission of the Department of Technology is to provide a quality education that prepares a diverse student body for rewarding professional career opportunities or graduate study in various fields including, engineering technology, industrial technology, industrial engineering, aviation science and engineering and technology management. The department is committed to promoting excellence in teaching, research, services, and scholarly activities.

Engineering Technology Program

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 program produces a highly competitive and marketable workforce for engineering and technology positions in industry, business, and government.

The B.S. in Engineering Technology offers concentrations in "Computer and Information Technology" and "Mechanical and Automation." 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. Majors must earn a grade of C or better in each required Engineering Technology course.

Industrial Technology Program

The Industrial Technology program prepares individuals as Industrial Technologists for professional responsibilities in the technical and management phase of industry, business, or government. The curriculum has been designed to provide comprehensive understanding of important content in technology areas along with hands-on experiences. Study in the area of Industrial Technology provides students with opportunities for advancement in managerial and supervisory positions of industry, business and government. Majors must earn a grade of C or better in each required Industrial technology course.

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 program is to provide quality aviation education to a diverse group of students so that they will be successful in the highly competitive aviation and aerospace industries. 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 minor in Aviation Management, Electronics, Computer Science, Avionics, Public Administration, Space Science, or Flight Education. Majors must earn a grade of C or better in each required Aviation Science course.

Opportunities for Graduates

Engineering Technology

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.

Industrial Technology

Employment opportunities for quality Industrial Technologists should be excellent for the next decade in the computers, electronics, computer networking, mechanical, and manufacturing industries. Graduates may work in a liaison relationship with engineers or technicians in production or research activities. Graduates may be qualified for entry-level supervisory positions in industrial and technology management. United States industries will continue to employ Industrial Technology graduates for technical management positions because of their unique background to interpret and demonstrate technological systems.

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, Space Technology, Space Cargo Technology, Avionics, Radar Technology, Flight Instruction, Aviation Policy, Aviation Entrepreneurship, Satellite Development, and Space Inventory. These are a few of the many career areas for which Aviarion Science students are preparing themselves.

Accreditations

The Industrial Technology Program is accredited by The Association of Technology, Management, and Applied Engineering (ATMAE).

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.

MAJOR: B.S. Degree in Engineering Technology with Concentration in Mechanical and Automation

A. General Education Core		**47**
B. Major Core Requirements		**42**
ENGT 100	Introduction to Eng. Tech.	3
TECH 105	CAD I	3
ENGT 205	Circuit Analysis	4
ENGT 235	Analog Circuits	4
ENGT 310	Applied Mechanics	4
ENGT 335	Digital Circuits	4
ENGT 350	PLC	3
ENGT 455	Senior Seminar	1
ENGT 499	Capstone Senior Project	3
TECH 400	Operations Management	3
Discipline Area Course Requirements		
ENGT 210	Materials & Processes	4
TECH 305	Fluid Technology	3
ENGT 420	Thermal Systems	3
C. Related Course Requirements		**14**
TECH 220	CAD II	3
PHYS 191/L	University Physics I with Lab	4
ENGL 401	Technical Writing	3
MATH 265	Calculus II	4
D. Concentration in Mechanical & Automation		**19**
ENGT 360	Control Sys. & Instrumentation	4
ENGT 385	Strength of Materials	4
ENGT 405	Automation and Robotics	4
ENGT 415	Machine Design	3
ENGT 460	Eng. Software Applications	3
ENGT 425	Thermal & Fluid Lab	1
Electives (Technical, Restrictive)*		**6**
Total Semester Hours Required for Degree		**128**

Strongly recommend: Internship course for elective

GE 118 (Pre Calculus), MATH 165 (Calculus 1), CHE M 101/L (General Chemistry I and Lab), ECON 201 (Principles of Economics I), SPCH 214 (College Speech), and CSC 115 (Computer Science I) must be taken for General Education.

Curriculum Guide for Majors in Engineering Technology (Mechanical and Automation)

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition & Grammar	3
GE 118	Pre Calculus	3
GE 122M	Freshman Seminar	1
GE	Any Fine Art	2
GE 140	World Civilization I	3
GE	Physical Ed. Activity	1
ENGT 100	Introduction to Eng. Tech.	3
		16

Second Semester

GE 103	English Composition & Vocab.	3
MATH 165	Calculus I	4
CHEM 101/L	General Chemistry I/Lab	4
GE 141	World Civilization II	3
GE	Physical Ed. Activity	1
TECH 105	CAD I	3
		18

Sophomore Year

First Semester

Course and number		Semester hrs
PHYS 191/L	Univ. Physics I/Lab	4
GE 201	World Literature I	3
ECON 201	Principles of Economics I	3
MATH 265	Calculus II	4
ENGT 205	Circuits Analysis	4
		18

Second Semester

C5C 115	Computer Science I	3
GE 202	World Literature II	3
GE 185	Health Concepts	2
P5Y 212	General Psychology	3
SPCH 214	College Speech	2
ENGT 235	Analog Circuits	4
		17

Junior Year

First Semester

Course and number		Semester hrs
TECH 220	CAD II	3
ENGT 210	Materials & Processes	4
ENGT 310	Applied Mechanics	4
ENGT 335	Digital Circuits	4
ENGT 350	PLC	3
		18

Second Semester

ENGL 401	Technical Writing	3
TECH 305	Fluid Technology	3
ENGT 360	Control Systems	4
ENGT 385	Strength of Materials	4
		14

Senior Year

First Semester

Course and number		Semester hrs
ENGT 405	Automation & Robotics	4
ENGT 415	Machine Design	3
ENGT 455	Senior Seminar	1
	Restrictive Elective	3
	Restrictive Elective	3
		14

Second Semester

TECH 400	Operations Management	3
ENGT 420	Thermal Systems	3
ENGT 425	Thermal & Fluid Lab	1
ENGT 460	Eng. Software Applications	3
ENGT 499	Senior Project	3
		13

Total Requirements for the Degree **128**

MAJOR: B.S. Degree in Engineering Technology with Concentration in Computer and Information Technology

A. General Education Core		**47**
B. Major Core Requirements		**42**
ENGT 100	Introduction to Eng. Tech.	3
TECH 105	CAD I	3
ENGT 205	Circuit Analysis	4
ENGT 235	Analog Circuits	4
ENGT 310	Applied Mechanics	4
ENGT 335	Digital Circuits	4
ENGT 350	PLC	3
ENGT 455	Senior Seminar	1
ENGT 499	Capstone Senior Project	3
TECH 400	Operations Management	3
Discipline Area Course Requirements		
ENGT 215	PC Support Technology	3
ENGT 315	Operating Systems	3
ENGT 365	Computer Design	4
C. Related Course Requirements		**14**
CSC 215	Computer Science II	3
PHYS 191/L	University Physics I with Lab	4
ENGL 401	Technical Writing	3
MATH 265	Calculus II	4
D. Concentration in Computer & Information Tech.		**19**
ENGT 340	Network Communication I	3
ENGT 345	Network Communication II	4
ENGT 445	Network Communication III	4
ENGT 470	Network Admin. & Security	4
ENGT 465	MicroProc. & MicroContr.	4
E. Electives (Technical, Restrictive)*		**6**
Total Semester Hours Required for Degree		**128**

Strongly recommend: Internship course for elective.

GE 118 (Pre Calculus), MATH 165 (Calculus 1), CHE M 101/L (General Chemistry I and Lab), ECON 201 (Principles of Economics I), SPCH 214 (College Speech), and CSC 115 (Computer Science I) must be taken for General Education.

Curriculum Guide for Majors in Engineering Technology (Computer and Information Technology)

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition & Grammar	3
GE 118	Pre Calculus	3
GE 122M	Freshman Seminar	1
GE 130	Any Fine Art	2
GE 140	World Civilization I	3
GE	Physical Ed. Activity	1
ENGT 100	Introduction to Eng. Tech.	3
		16

Second Semester

GE 103	English Composition & Vocab.	3
MATH 165	Calculus I	4
CHEM 101/L	General Chemistry I/Lab	4
GE 141	World Civilization II	3
GE	Physical Ed. Activity	1
TECH 105	CAD I	3
		18

Sophomore Year

First Semester

Course and number		Semester hrs
PHYS 191/L	Univ. Physics I/Lab	4
ECON 201	Principles of Economics I	3
GE 201	World Literature I	3
MATH 265	Calculus II	4
ENGT 205	Circuits Analysis	4
		18

Second Semester

CSC 115	Computer Science I	3
GE 185	Health Concepts	2
GE 202	World Literature II	3
PSY 212	Gen Psychology	3
ENGT 215	PC Support Technology	3
ENGT 235	Analog Circuits	4
		18

Junior Year

First Semester

Course and number		Semester hrs
ENGT 310	Applied Mechanics	4
ENGT 315	Operating Systems	3
ENGT 335	Digital Circuits	4
ENGT 340	Network Communication I	3
ENGT 350	PLC	3
		17

Second Semester

SPCH 214	College Speech	2
CSC 215	Computer Science II	3
ENGL 401	Technical Writing	3
ENGT 345	Network Communication II	4
ENGT 365	Computer Design	4
		16

Senior Year

First Semester

Course and number		Semester hrs
ENGT 445	Network Communication III	4
ENGT 465	MicroProc. & MicroContr.	4
ENGT 455	Senior Seminar	1
	Restrictive Elective	3
		12

Second Semester

TECH 400	Operations Management	3
ENGT 470	Network Admin & Security	4
ENGT 499	Senior Project	3
	Restrictive Elective	3
		13

Total Requirements for the Degree **128**

MAJOR: B.S. Degree in Industrial Technology

A. General Education Core		**47**
B. Major Core Course Requirements		**50**
TECH 105	CAD I	3
TECH 205	Electrical Circuits	4
TECH 220	CAD II	3
TECH 235	Analog Electronics	4
TECH 305	Fluid Technology	3
TECH 350	Occupational Safety	3
TECH 355	Electromechanical Control	3
TECH 400	Operations Management	3
TECH 405	Automation & Robotics	4
TECH 410	Project Management	3
TECH 450	Quality Assurance	3
TECH 455	Senior Seminar	1
TECH 499	Senior Project	3
ENGT 100	Introduction to Eng. Tech.	3
ENGT 210	Materials & Processes	4
ENGT 340	Network Communication I	3
C. Related Course Requirements		**12**
MATH 153	Differential/Integral Calculus	3
ACCT 210	Financial Accounting	3
STAT 251	Basic Statistics	3
ENGL 401	Technical Writing	3
D. Technical Electives/Minor		**18**
Total Semester Hours Required for Degree		**127**

GE 118(Pre Calculus), PHY 181/L(General Physics I and Lab). CHEM 101/L (General Chemistry I and Lab), ECON 201(Principles of Economics I), SPCH 214 (College Speech), and CSC 115 (Computer Science I) must be taken for General Education.

Technical Electives/Minors

To choose a minor or electives in the Department of Technology or any other department, student must have the approval of the chair or the program coordinator.

ATMAE Accredited Program Curriculum Guide for Majors in Industrial Technology

Freshman Year

First Semester

Course and number		Semester hrs
GE 102	English Composition & Grammar	3
GE 118	Pre Calculus	3
GE 130	Any Fine Art	2
GE 122M	Freshman Seminar	1
GE 140	World Civilization I	3
GE	Physical Ed. Activity	1
ENGT 100	Introduction to Eng. Tech.	3
		16

Second Semester

GE 103	English Composition & Vocab.	3
TECH 105	CAD I	3
MATH 153	Differential/Integral Calculus	3
GE 141	World Civilization II	3
GE	Physical Ed. Activity	1
CHEM 101L	General Chemistry I/Lab	4
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
PHYS 181L	General Physics I/Lab	4
GE 185	Health Concepts	2
ENGT 210	Materials & Processes	4
TECH 205	Electrical Circuits	4
		17

Second Semester

CSC 115	Computer Science I	3
SPCH 214	College Speech	2
GE 202	World Literature II	3
	Restrictive Elective*	3
TECH 235	Analog Electronics	4
		15

Junior Year

First Semester

Course and number		Semester hrs
ECON 201	Principles of Economics I	3
ACCT 210	Principles of Accounting I	3
TECH 220	CAD II	3
TECH 350	Occupational Safety	3
ENGT 340	Network Communication I	3
	Elective	3
		18

Second Semester

STAT 251	Basic Statistics	3
ENGL 401	Technical Writing	3
TECH 305	Fluid Technology	3
TECH 405	Electromechanical Control	3
	Elective	3
		15

Senior Year

First Semester

Course and number		Semester hrs
TECH 405	Automation & Robotics	4
TECH 450	Quality Assurance	3
TECH 455	Senior Seminar	1
	Elective	3
	Elective	3
		14

Second Semester

PSY 212	General Psychology	3
TECH 400	Operations Management	3
TECH 410	Project management	3
TECH 499	Senior Project	3
	Elective	3
		15

Total Requirements for the Degree **127**

* It is recommended to take ENGT 215 (PC support Technology)

* MINOR: Pre-Engineering Technology

TECH 105	CAD I	3
ENGT 205	Circuit Analysis	4
ENGT 235	Analog Circuits	4
ENGT 310	Applied Mechanics	4
ENGT 385	Strength of Materials	4
Choose one course from Engineering Technology Courses		**3-4**
Total Semester Hours required for Minor		**22-23**

** Ensuring prerequisites are met.*

MINOR: Computer and Electronics

TECH 205	Electrical Circuits	4
TECH 235	Analog Electronics	4
TECH 335	Digital Electronics	4
TECH 365	Microprocessors I	3
TECH 465	Microprocessors II (or any other related course)	4

ENGT 215	PC Support Technology	3
Total Semester Hours Required for Minor		**21-22**

MINOR: Mechanical and Automation

TECH 105	CAD I	3
TECH 305	Fluid Technology	3
ENGT 310	Applied Mechanics	4
ENGT 350	PLC	3
ENGT 385	Strength of Materials	4
ENGT 405	Automation and Robotics (or any other related course)	4
Total Semester Hours Required for Minor		**20-21**

MINOR: Computer Networking

ENGT 215	PC Support Technology	3
ENGT 315	Operating Systems	3
ENGT 340	Network Communication I	3
ENGT 345	Network Communication II	4
ENGT 445	Network Communication III	4
ENGT 470	Network Admin. & Security	4
Total Semester Hours Required for Minor		**21**

MINOR: Industrial Technology

TECH 105	CAD I	3
TECH 205	Electrical Circuits	4
TECH 350	Occupational Safety	3
TECH 400	Operations Management	3
TECH 410	Project Management	3
TECH 450	Quality Assurance	3
Total Semester Hours Required for Minor		**19**

MAJOR: B.S. Degree in Aviation Science with a Minor in Flight Education

A. General Education Core		**48**
B. Major Core Requirements		**41**
1. Aviation Science Requirements		**32**
AVI 100	Introduction to Aviation	3
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 232	Aviation Safety	3
AVI 250	Basic Aerodynamics	3
AVI 315	Aviation Legislation	3
AVI330	Ethics in Aviation	3
AVI 360	Transition to the Aviation Industry	3
AVI416	National Airspace System	3
AVI 460	Aviation Internship	3
AVI 465	Aviation Capstone	2
2. Discipline Area Course Requirements		**9**
AVI 340	Airline and Corporate Flight Operations	3
AVI 350	Advanced Aerodynamics	3
AVI 420	Crew Resource Management	3
C. Related Area Courses		**6**
SSCI 101	Introduction to Space Science	3
AVI 314	Aviation Meteorology	3
D. Flight Education Minor		**25**
FLT 110	Private Pilot Ground	3
FLT 115	Private Pilot Flight	2
FLT 225	Cross Country Flight	2
FLT 320	Instrument Ground	3
FLT 325	Instrument Flight	2
FLT 330	Commercial Ground	3
FLT 335	Commercial Flight	2
FLT 420	Flight Instructor Ground	2
FLT 425	Flight Instructor Flight	2
Choose two of the following 2-hour flight courses		**4**
FLT 340	Multi-Engine Ground	2
FLT 345	Multi-Engine Flight	2
FLT 435	Instrument Flight Instructor	2
FLT 430	Advanced Flight Instructor Ground	2
FLT 445	Multi-Engine Flight Instructor	2
E. Electives (2 hrs minimum)		**5**
Total Semester Hours Required for Degree		**125**

Curriculum Guide for Majors in Aviation Science with a Minor in Flight Education

Freshman Year

First Semester

Course and number		Semester hrs
GE 118	Pre Calculus	3
GE	Physical Ed. Activity	1
GE 102	English Composition and Grammar	3
GE 140	World Civilization I	3
FLT 110	Private Pilot Ground	3
AVI 100	Introduction to Aviation	3
GE 122M	Freshman Seminar	1
		17

Second Semester

CSC 115	Computer Science I	3
AVI 220	Air Transportation	3
GE 103	English Composition and Vocabulary	3
FLT 115	Private Pilot Flight	2
GE 141	World Civilization II	3
SSCI 101	Introduction to Space Science	3
		17

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
PHYS 181/L	General Physics I/Lab	4
AVI 230	Aviation Management	3
GE	Physical Ed. Activity	1
FLT 225	Cross Country Flight	2
GE	Fine Arts & Com	2
		15

Second Semester

GE	Literature & Language	3
PHYS 182/L	General Physics II/Lab	4
AVI 232	Aviation Safety	3
GE 185	Health Concepts	2
FLT 320	Instrument Ground	3
FLT 325	Instrument Flight	2
		17

Junior Year

First Semester

Course and number		Semester hrs
AVI 250	Basic Aerodynamics	3
FLT 330	Commercial Ground	3
FLT 335	Commercial Flight	2
	Social & Behavior Science	3
	Elective	3
		14

Second Semester

AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
AVI 350	Advance Aerodynamics	3
	Social & Behavior Science	3
FLT 420	Flight Instructor Ground	2
FLT 425	Flight Instructor Flight	2
		16

Senior Year

First Semester

Course and number		Semester hrs
AVI 360	Transition to the Aviation Industry	3
AVI 460	Aviation Internship	3
SPCH 314	Public Speaking	3
AVI 420	Crew Resource Management	3
	Elective	2
		14

Second Semester

AVI 416	National Airspace System	3
AVI 465	Aviation Capstone	2
AVI 340	Airline & Corp Flt Ops	3
AVI 314	Aviation Meteorology	3
FLT	Elective	2
	Elective	2
		15

Total Requirements for the Degree **125**

MAJOR: B.S. Degree in Aviation Science with a Minor in Aviation Management

A. General Education Core		**47**
B. Major Core Requirements		**41**
1. Aviation Science Requirements		**32**
AVI 100	Introduction to Aviation	3
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 232	Aviation Safety	3
AVI 250	Basic Aerodynamics	3
AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
AVI 360	Transition to the Aviation Industry	3
AVI 416	National Airspace System	3
AVI 460	Aviation Internship	3
AVI 465	Aviation Capstone	2
2. Discipline Area Course Requirements		**9**
SSCI 101	Introduction to Space Science	3
PAD 200	Introduction to Public Admin	3
STAT 251	Basic Statistics I	3
C. Related Area Courses		**9**
BUAD 115	Introduction to Business	3
ECON 201	Principles of Economics I	3
ECON 202	Principles of Economics II	3
D. Aviation Management Minor		**21**
ACCT 210	Financial Accounting	3
BFIN 311	Principles of Finance	3
BUAD 200	Business Communication	3
MNGT 221	Principles of Management	3
MNGT 322	Organizational Behavior	3
MRKT 231	Principles of Marketing	3
	Choose one of the following:	
PAD 301	Public Personnel Administration	3
PAD 302	Public Finance and Budgeting	3
PAD 400	Organizational Behavior	3
PAD 401	Introduction to Public Policy	3
E. Electives		**6**
Total Semester Hours Required for Degree		**124**

Curriculum Guide for Majors in Aviation Science with a Minor in Aviation Management

Freshman Year

First Semester

Course and number		Semester hrs
GE 118	Pre Calculus	3
GE	Physical Ed. Activity	1
GE 102	English Composition and Grammar	3
GE 140	World Civilization I	3
BAUD 115	Introduction to Business	3
AVI 100	Introduction to Aviation	3
GE 122M	Freshman Seminar	1
		17

Second Semester

CSC 115	Computer Science I	3
AVI 220	Air Transportation	3
GE 103	English Composition and Vocabulary	3
BAUD 200	Business Communication	3
GE 141	World Civilization II	3
		15

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
PHYS 181L	General Physics I/Lab	4
AVI 230	Aviation Management	3
GE	Physical Ed. Activity	1
ECON 201	Principles of Economics I	3
GE	Fine Arts & Communications	2
		16

Second Semester

GE	Literature & Language	3
AVI 232	Aviation Safety	3
GE 185	Health Concepts	2
	Natural Science & Math	3
ECON 202	Principles of Economics II	3
STAT 251	Basic Statistics I	3
		17

Junior Year

First Semester

Course and number		Semester hrs
AVI 250	Basic Aerodynamics	3
MNGT 221	Principles of Management	3
SPCH 314	Public Speaking	3
	Social & Behavior Science	3
ACCT 210	Financial Accounting	3
		15

Second Semester

PAD 200	Introduction to Public Admin	3
AVI 330	Ethics in Aviation	3
MRKT 231	Principles of Marketing	3
	Social & Behavior Science	3
SSCI 101	Introduction to Space Science	3
		15

Senior Year

First Semester

Course and number		Semester hrs
AVI 360	Transition to the Aviation Industry	3
AVI 315	Aviation Legislation	3
BFIN 311	Principles of Finance	3
MNGT 322	Organization Behavior	3
	Elective	3
		15

Second Semester

AVI 416	National Airspace System	3
AVI 465	Aviation Capstone	2
AVI 460	Aviation Internship	3
	PAD Elective	3
	Elective	3
		14

Total Requirements for the Degree **124**

MAJOR: B.S. Degree in Aviation Science with a Minor in Avionics

A. General Education Core		**48**
B. Major Core Requirements		**41**
1. Aviation Science Requirements		**32**
AVI 100	Introduction to Aviation	3
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 232	Aviation Safety	3
AVI 250	Basic Aerodynamics	3
AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
AVI 360	Transition to the Aviation Industry	3
AVI 416	National Airspace System	3
AVI 460	Aviation Internship	3
AVI 465	Aviation Capstone	2
2. Discipline Area Course Requirements		**9**
AVNC 100	Basic Avionics	3
AVNC 240	Flight Communication System	3
TECH 105	CAD I	3
C. Related Area Courses		**8**
MATH 265	Calculus II	3
PHYS 182	General Physics II	3
PHYS 182L	General Physics II/Lab	1
D. Avionics Minor		**21**
AVNC 360	Advanced Avionics	3
AVNC 380	Flight Control System	3
ENGT 205	Circuits Analysis	4
ENGT 235	Analog Circuits	4
ENGT 335	Digital Circuits	4
TECH 365	Microprocessors I	3
E. Electives		**6**
Total Semester Hours Required for Degree		**124**

Curriculum Guide for Majors in Aviation Science with a Minor in Avionics

Freshman Year

First Semester

Course and number		Semester hrs
GE 118	Pre Calculus	3
GE	Physical Ed. Activity	1
GE 102	English Composition and Grammar	3
GE 140	World Civilization I	3
AVNC 100	Basic Avionics	3
AVI 100	Introduction to Aviation	3
GE 122M	Freshman Seminar	1
		17

Second Semester

CSC 115	Computer Science I	3
AVI 220	Air Transportation	3
GE 103	English Composition and Vocabulary	3
MATH 165	Calculus I	4
GE 141	World Civilization II	3
		16

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
PHYS 181/L	General Physics I/Lab	4
AVI 230	Aviation Management	3
GE	Physical Ed. Activity	1
MATH 265	Calculus II	4
		15

Second Semester

GE	Literature & Language	3
PHYS 182/L	General Physics II/Lab	4
AVI 232	Aviation Safety	3
ENGT 205	Circuit Analysis	4
TECH 105	CAD I	3
		17

Junior Year

First Semester

Course and number		Semester hrs
AVI 250	Basic Aerodynamics	3
ENGT 235	Analog Circuits	4
AVNC 240	Flight Communication System	3
GE 185	Health Concepts	2
GE	Fine Arts & Communications	2
		14

Second Semester

AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
ENGT 335	Digital Circuits	4
	Social & Behavior Science	3
AVNC 360	Advanced Avionics	3
		16

Senior Year

First Semester

Course and number		Semester hrs
AVI 360	Transition to the Aviation Industry	3
AVI 460	Aviation Internship	3
SPCH 314	Public Speaking	3
TECH 365	Microprocessors I	3
	Elective	3
		15

Second Semester

AVI 416	National Airspace System	3
AVI 465	Aviation Capstone	2
AVNC 380	Flight Control System	3
	Social & Behavior Science	3
	Elective	3
		14

Total Requirements for the Degree **124**

MAJOR: B.S. Degree in Aviation Science with a Minor in Computer Science

A. General Education Core		**48**
B. Major Core Requirement		**41**
1. Aviation Science Requirements		**32**
AVI 100	Introduction to Aviation	3
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 232	Aviation Safety	3
AVI 250	Basic Aerodynamics	3
AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
AVI 360	Transition to the Aviation Industry	3
AVI 416	National Airspace System	3
AVI 460	Aviation Internship	3
AVI 465	Aviation Capstone	2
2. Discipline Area Course Requirements		**9**
CSC 314	Computer Architecture	3
CSC 409	Artificial Intelligence	3
ENGT 215	PC Support Technology	3
C. Related Area Courses		**10**
MATA 262	Discrete Methods	3
MATH 351	Linear Algebra	3
PHYS 182	General Physics II	3

PHYS 182L	General Physics II Lab	1
D. Computer Science Minor		**21**
CSC 215	Computer Science II	3
CSC 218	Data Structures and Algorithm Analysis	3
CSC 219	Computer Organization and Assembly Language	3
CSC 315	Programming Languages	3
CSC 322	UNIX Administration & Systems	3
CSC 325	Database Concepts and File Processing	3
CSC 420	Operating Systems	3
E. Electives		**6**
Total Semester Hours Required for Degree		**126**

Curriculum Guide for Majors in Aviation Science with a Minor in Computer Science

Freshman Year

First Semester

Course and number		Semester hrs
GE 118	Pre Calculus	3
GE	Physical Ed. Activity	1
GE 102	English Composition and Grammar	3
GE 140	World Civilization I	3
CSC 115	Computer Science I	3
AVI 100	Introduction to Aviation	3
GE 122M	Freshman Seminar	1
		17

Second Semester

CSC 215	Computer Science II	3
AVI 220	Air Transportation	3
GE 103	English Composition and Vocabulary	3
MATH 165	Calculus & Anal Geo I	4
GE 141	World Civilization II	3
		16

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
PHYS 181/L	General Physics I/Lab	4
AVI 230	Aviation Management	3
GE	Physical Ed. Activity	1
CSC 218	Data Structures & Algo. Analysis	3
GE	Fine Arts & Com	2
		16

Second Semester

GE	Literature & Language	3
PHYS 182/L	General Physics II/Lab	4
AVI 232	Aviation Safety	3
ENGT 215	PC Support Technology	3
CSC 219	Composition Org & Assembly Lang	3
GE 185	Health Concepts	2
		18

Junior Year

First Semester

Course and number		Semester hrs
AVI 250	Basic Aerodynamics	3
MATA 262	Discrete Methods	3
CSC 314	Computer Architect	3
	Social & Behavior Science	3
MATH 351	Linear Algebra	3
		15

Second Semester

AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
CSC 315	Programming Languages	3
	Social & Behavior Science	3
CSC 322	UNIX Admin. & Sys Programming	3
		15

Senior Year

First Semester

Course and number		Semester hrs
AVI 360	Transition to the Aviation Industry	3
AVI 460	Aviation Internship	3
SPCH 314	Public Speaking	3
CSC 325	Database Concepts	3
	Elective	3
		15

Second Semester

AVI 416	National Airspace System	3
AVI 465	Aviation Capstone	2
CSC 409	Artificial Intelligence	3
CSC 420	Operating Systems	3
	Elective	3
		14

Total Requirements for the Degree **126**

MAJOR: B.S. Degree in Aviation Science with a Minor in Electronics

A. General Education Core		**48**
B. Major Core Requirements		**38**
1. Aviation Science Requirements		**32**
AVI 100	Introduction to Aviation	3
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 232	Aviation Safety	3
AVI 250	Basic Aerodynamics	3
AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
AVI 360	Transition to the Aviation Industry	3
AVI 416	National Airspace System	3
AVI 460	Aviation Internship	3
AVI 465	Aviation Capstone	2
2. Discipline Area Course Requirements		**6**
TECH 405	Electromechanical Control	3
TECH 105	CAD I	3
C. Related Area Courses		**10**
ENGL 401	Technical Writing	3
PHYS 182	General Physics II	34
PHYS 182L	General Physics II/Lab	1
AVNC 360	Advanced Avionics	3
D. Electronics Minor		**22**
AVNC 100	Basic Avionics	3
TECH 205	Electrical Circuits	4
TECH 235	Analog Electronics	4
TECH 335	Digital Electronics	4
TECH 365	Microprocessors I	3
OR		
TECH 465	Microprocessors II	4
OR		
ENGT 340	Network Communications I	3
TECH 455	Senior Seminar	1
E. Electives		**6**
Total Semester Hours Required for Degree		**124**

Curriculum Guide for Majors in Aviation Science with a Minor in Electronics

Freshman Year

First Semester

Course and number		Semester hrs
GE 118	Pre Calculus	3
GE	Physical Ed Activity	1
GE 102	English Composition and Grammar	3
GE 140	World Civilization I	3
AVNC 100	Basic Avionics	3
AVI 100	Introduction to Aviation	3
GE 122M	Freshman Seminar	1
		17

Second Semester

MATH 165	Calculus I	4
AVI 220	Air Transportation	3
GE 103	English Composition and Vocabulary	3
ENGT 105	Introduction to Eng . Technology	3
GE 141	World Civilization II	3
		16

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
PHYS 181/L	General Physics I/Lab	4
CSC 115	Computer Science I	3
GE	Physical Ed. Activity	1
TECH 205	Electrical Circuits	4
		15

Second Semester

GE	Literature & Language	3
PHYS 182/L	General Physics II/Lab	4
AVI 230	Aviation Management	3
GE 185	Health Concepts	2
TECH 235	Analog Electronics	4
		16

Junior Year

First Semester

Course and number		Semester hrs
AVI 250	Basic Aerodynamics	3
SPCH 314	Public Speaking	3
TECH 335	Digital Electronics	4
	Social & Behavior Science	3
TECH 455	Senior Seminar	
ENGT 340	Network Communication I	3
OR		
TECH 465	Micropressors II	4
		17

Second Semester

AVI 315	Aviation Legislation	3
AVI 232	Aviation Safety	3
TECH 365	Microprocessors I	3
	Social & Behavior Science	3
TECH 105	CAD I	3
		15

Senior Year

First Semester

Course and number		Semester hrs
AVI 360	Transition to the Aviation Industry	3
AVI 460	Aviation Internship	3
ENGL 401	Technical Writing	3
AVNC 360	Advanced Avionics	3
AVI 330	Ethics in Aviation	3
		15

Second Semester

AVI 416	National Airspace System	3
AVI 465	Aviation Capstone	2
TECH 405	Electromechanical Control	3
	Elective	3
	Elective	3
		14

Total Requirements for the Degree **125**

MAJOR: B.S. Degree in Aviation Science with a Minor in Flight Education

A. General Education Core		**48**
B. Major Core Requirements		**41**
1. Aviation Science Requirements		32
AVI 100	Introduction to Aviation	3
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 232	Aviation Safety	3
AVI 250	Basic Aerodynamics	3
AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
AVI 360	Transition to the Aviation Industry	3
AVI 416	National Airspace System	3
AVI 460	Aviation Internship	3
AVI 465	Aviation Capstone	2
2. Discipline Area Course Requirements		**9**
AVI 340	Airline and Corporate Flight Operations	3
AVI 350	Advanced Aerodynamics	3
AVI 420	Crew Resource Management	3
C. Related Area Courses		**6**
SSCI 101	Introduction to Space Science	3
AVI 314	Aviation Meteorology	3
D. Flight Education Minor		**25**
FLT 110	Private Pilot Ground	3
FLT 115	Private Pilot Flight	2
FLT 225	Cross Country Flight	2
FLT 320	Instrument Ground	3
FLT 325	Instrument Flight	2
FLT 330	Commercial Ground	3
FLT 335	Commercial Flight	2
FLT 420	Flight Instructor Ground	2
FLT 425	Flight Instructor Flight	2
D. Choose two of the following 2-hour flight courses		**4**
FLT 340	Multi-Engine Ground	2
FLT 345	Multi-Engine Flight	2
FLT 435	Instrument Flight Instructor	2
FLT 430	Advanced Flight Instructor Ground	2
FLT 445	Multi-Engine Flight Instructor	2
E. Electives (2 hrs minimum)		**5**
Total Semester Hours Required for Degree		**125**

MAJOR: B.S. Degree in Aviation Science with a Minor in Public Administration

A. General Education Core		**47**
B. Major Core Requirements		**38**
1. Aviation Science Requirements		**32**
AVI 100	Introduction to Aviation	3
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 232	Aviation Safety	3
AVI 250	Basic Aerodynamics	3
AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
AVI 360	Transition to the Aviation Industry	3
AVI 416	National Airspace System	3
AVI 460	Aviation Internship	3

AVI 465	Aviation Capstone	2
2. Discipline Area Course Requirements		**6**
POLS 200	Introduction to Political Science	3
SOC 202	Social Problems	3
C. Related Area Courses		**9**
SOC 210	Introduction to Sociology	3
SOC 245	Social Statistics	3
SOC 297	Social Research Methods	3
D. Public Administration Minor		**21**
PAD 200	Introduction to Public Administration	3
PAD 301	Public Personnel Administration	3
PAD 302	Public Finance and Budgeting	3
PAD 400	Organizational Theory and Behavior	3
PAD 401	Introduction to Public Policy	3
POLS 301	American National Government	3
POLS 304	State and Local Government	3
E. Electives		**9**
Total Semester Hours Required for Degree		**124**

Curriculum Guide for Majors in Aviation Science with a Minor in Public Administration

Freshman Year

First Semester

Course and number		Semester hrs
GE 118	Pre Calculus	3
GE	Physical Ed. Activity	1
GE 102	English Composition and Grammar	3
GE 140	World Civilization I	3
SOC 201	Introduction to Sociology	3
AVI 100	Introduction to Aviation	3
GE 122M	Freshman Seminar	1
		17

Second Semester

CSC 115	Computer Science	3
AVI 220	Air Transportation	3
GE 103	English Composition and Vocabulary	3
SOC 202	Social Problems	3
GE 141	World Civilization II	3
		15

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
PHYS 181/L	General Physics I/Lab	4
AVI 230	Aviation Management	3
GE	Physical Ed. Activity	1
PAD 200	Introduction to Public Administration	3
GE	Fine Arts & Com	2
		16

Second Semester

GE	Literature & Language	3
	Natural Science & Math	3
AVI 232	Aviation Safety	3
GE 185	Health Concepts	2
POLS 200	Introduction To Political Science	3
PAD 301	Public Personnel Administration	3
		17

Junior Year

First Semester

Course and number		Semester hrs
AVI 250	Basic Aerodynamics	3
SOC 245	Social Statistics	3
PAD 302	Public Finance & Budget	3
	Social & Behavior Science	3
POL 301	American National Gov	3
		15

Second Semester

AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
SOC 297	Social Research Methods	3
	Social & Behavior Science	3
POL 304	State & Local Government	3
		15

Senior Year

First Semester

Course and number		Semester hrs
AVI 360	Transition to the Aviation Industry	3
AVI 460	Aviation Internship	3
SPCH 314	Public Speaking	3
PAD 400	Org Theory & Behavior	3
	Elective	3
		15

Second Semester

AVI 416	National Airspace System	3
AVI 465	Aviation Capstone	2
PAD 401	Introduction To Public Policy	3
	Elective	3
	Elective	3
		14

Total Requirements for the Degree **124**

MAJOR: B.S. Degree in Aviation Science with a Minor in Space Science

A. General Education Core		**47**
B. Major Core Requirements		**41**
1. Aviation Science Requirements		**32**
AVI 100	Introduction to Aviation	3
AVI 220	Air Transportation	3
AVI 230	Aviation Management	3
AVI 232	Aviation Safety	3
AVI 250	Basic Aerodynamics	3
AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
AVI 360	Transition to the Aviation Industry	3
AVI 416	National Airspace System	3
AVI 460	Aviation Internship	3
AVI 465	Aviation Capstone	2
2. Discipline Area Course Requirements		**9**
SSCI 101	Introduction to Space Science	3
SSCI 210	Air and Space Industries	3
SSCI 215	Earth's Atmosphere and Zero Gravity	3
C. Related Area Courses		**9**
PAD 200	Introduction to Public Administration	3
PAD 401	Introduction to Public Policy	3
POLS 200	Introduction to Political Science	3
D. Space Science Minor		**21**
SSCI 220	National and International Space Agencies	3
SSCI 230	International Organizations & Space Technology	3
SSCI 325	Introduction to Space Law	3
SSCI 330	Physiology and Psychology in Space	3
SSCI 340	Introduction to Artificial Satellites	3
SSCI 410	Fundamentals of Astronomy, Astrophysics & Astrobiology	3
SSCI 440	Space Technology & the U.S. Economy	3
E. Electives		**6**
Total Semester Hours Required for Degree		**124**

Curriculum Guide for Majors in Aviation Science with a Minor in Space Science

Freshman Year

First Semester

Course and number		Semester hrs
GE 118	Pre Calculus	3
GE	Physical Ed. Activity	1
GE 102	English Composition and Grammar	3
GE 140	World Civilization I	3
SSCI 101	Introduction to Space Science	3
AVI 100	Introduction to Aviation	3
GE 122M	Freshman Seminar	1
		17

Second Semester

CSC 115	Computer Science I	3
AVI 220	Air Transportation	3
GE 103	English Composition and Vocabulary	3
SSCI 215	Earth's Atm & Zero Gravity	3
GE 141	World Civilization II	3
		15

Sophomore Year

First Semester

Course and number		Semester hrs
GE 201	World Literature I	3
PHYS 181/L	General Physics I/Lab	4
AVI 230	Aviation Management	3
GE	Physical Ed. Activity	1
SSCI 210	Air & Space Industries	3
GE	Fine Arts & Com	2
		16

Second Semester

GE	Literature & Language	3
	Natural Science & Math	3
AVI 232	Aviation Safety	3
GE 185	Health Concepts	2
PAD 200	Introduction to Public Administration	3
SSCI 220	National and International Space Agencies	3
		17

Junior Year

First Semester

Course and number		Semester hrs
AVI 250	Basic Aerodynamics	3
POLS 200	Introduction to Political Science	3
SSCI 230	Inter Org & Space Technology	3
	Social & Behavior Science	3
SSCI 325	Introduction to Space Law	3
		15

Second Semester

AVI 315	Aviation Legislation	3
AVI 330	Ethics in Aviation	3
PAD 401	Introduction to Public Policy	3
	Social & Behavior Science	3
SSCI 330	Physiology & Psych in Space	3
		15

Senior Year

First Semester

Course and number		Semester hrs
AVI 360	Transition to the Aviation Industry	3
AVI 460	Aviation Internship	3
SPCH 314	Public Speaking	3
SSCI 410	Fund. of Astro (Phy & Bio)	3
	Elective	3
		15

Second Semester

AVI 416	National Airspace System	3
AVI 465	Aviation Capstone	2
SSCI 340	Introduction to Artificial Satellites	3
SSCI 440	Space Tech & the US Econ	3
FLT	Elective	3
		14

Total Requirements for the Degree **124**

Minor in Aviation Science

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. For example, a Mathematics major may wish to apply for a position with an airport design company or as a space technologist.

MINOR: Aviation Science

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, SSCI and FLT courses.

Section A	**Required Courses**	**12**
AVI 100	Introduction to Aviation	3
AVI 220	Air Transportation	3
AVI 232	Aviation Safety	3
SSCI 101	Introduction to Space Science	3
Section B	**Elective Courses**	**6**
AVI 230	Aviation Management	3
AVI 250	Basic Aerodynamics	3
AVI 315	Aviation Legislation	3
FLT 100	Private Pilot Ground	3
FLT 115	Private Pilot Flight	2
SSCI 325	Introduction to Space Law	3
SSCI 440	Space Tech & the U.S. Economy	3
Total Semester Hours Required for Minor		**18**

COURSE DESCRIPTIONS

Course Abbreviations

Elizabeth City State University has established a set of standardized abbreviations for its Schools 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 Schools

The following chart represents the courses offered in relation to their Schools:

ACCT	—	Accounting	—	School of Business & Economics
ART	—	Art	—	School of Arts & Humanities
ARTH	—	Art History	—	School of Arts & Humanities
AVI	—	Aviation Science	—	School of Math, Science & Technology
AVNC	—	Avionics	—	School of Math, Science & Technology
BFIN	—	Banking and Finance	—	School of Business & Economics
BIOL	—	Biology	—	School of Math, Science & Technology
BKED	—	Birth-Kindergarten Education	—	School of Education, Health & Psychology
BMIS	—	Management Information	—	School of Business & Economics Systems
BTEC	—	Biotechnology	—	School of Math, Science & Technology
BUAD	—	Business Administration	—	School of Arts & Humanities
BUED	—	Business Education	—	School of Education, Health & Psychology
CHEM	—	Chemistry	—	School of Math, Science & Technology
CJ	—	Criminal Justice	—	School of Arts & Humanities
CONT	—	Continuing Education	—	School of Education, Health & Psychology
COOP	—	Cooperative Education	—	School of Education, Health & Psychology
CR	—	Correctional Recreation	—	School of Education, Health & Psychology
CSC	—	Computer and Information Science	—	School of Math, Science & Technology
DRAM	—	Dramatic Arts	—	School of Arts & Humanities
ECOL	—	Ecology	—	School of Math, Science & Technology
ECON	—	Economics	—	School of Business & Economics
EDUC	—	Education	—	School of Education, Health & Psychology
ELEM	—	Elementary Education	—	School of Education, Health & Psychology
ENGL	—	English	—	School of Arts & Humanities
ENGT	—	Engineering Technology	—	School of Math, Science & Technology
ENTR	—	Entrepreneurship	—	School of Business & Economics
ENSC	—	Environmental Science	—	School of Math, Science & Technology
FL	—	Foreign Language	—	School of Arts & Humanities
FLT	—	Flight	—	School of Math, Science & Technology
FREN	—	French	—	School of Arts & Humanities
GE	—	General Education	—	All Schools
GEOG	—	Geography	—	School of Arts & Humanities
GEOL	—	Geology	—	School of Math, Science & Technology
GLBS	—	Global Studies	—	School of Arts & Humanities
HIST	—	History	—	School of Arts & Humanities
HLTH	—	Health	—	School of Education, Health & Psychology
HPE	—	Health and Physical Education	—	School of Education, Health & Psychology
JOUR	—	Journalism	—	School of Arts & Humanities

MAS	—	Marine Science	—	School of Math, Science & Technology
MATA	—	Applied Mathematics	—	School of Math, Science & Technology
MATH	—	Mathematics	—	School of Math, Science & Technology
MCOM	—	Mass Communications	—	School of Arts & Humanities
MECP	—	Mechanical Power	—	School of Math, Science & Technology
MECT	—	Mechanical Technology	—	School of Math, Science & Technology
MIS	—	Military Science	—	School of Military Science
MNGT	—	Management	—	School of Business & Economics
MRKT	—	Marketing	—	School of Business & Economics
MUS	—	Music	—	School of Arts & Humanities
MUSA	—	Applied Music	—	School of Arts & Humanities
PAD	—	Public Administration	—	School of Arts & Humanities
PE	—	Physical Education	—	School of Education, Health & Psychology
PESM	—	Sports Management	—	School of Education, Health & Psychology
PHIL	—	Philosophy	—	School of Arts & Humanities
PFIN	—	Retirement Planning	—	School of Business & Economics
PHIS	—	Public History	—	School of Arts & Humanities
PHS	—	Public Health	—	School of Math, Science & Technology
PHSC	—	Pharmaceutical Science	—	School of Math, Science & Technology
PHYS	—	Physics	—	School of Math, Science & Technology
POLS	—	Political Science	—	School of Arts & Humanities
PSY	—	Psychology	—	School of Education, Health & Psychology
READ	—	Reading	—	School of Arts & Humanities
RELG	—	Religion	—	School of Arts & Humanities
SADM	—	School Administration	—	School of Education, Health & Psychology
SOC	—	Sociology	—	School of Arts & Humanities
SOWK	—	Social Work	—	School of Arts & Humanities
SPAN	—	Spanish	—	School of Arts & Humanities
SPCH	—	Speech	—	School of Arts & Humanities
SPED	—	Special Education	—	School of Education, Health & Psychology
SPPA	—	Speech Pathology	—	School of Arts & Humanities
SSCI	—	Space Science	—	School of Math, Science & Technology
STAT	—	Statistics	—	School of Math, Science & Technology
TECH	—	Industrial Technology	—	School of Math, Science & Technology
THEA	—	Theatre Arts	—	School of Arts & Humanities

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 Chairperson." The student must secure the permission from the above person(s) before he or she registers for the advanced course. "Consent of the Department Chairperson" is usually required for courses in which there is limited laboratory space and/or equipment, or in which specific skills and aptitudes are required.

Corequisite 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 the Department in which his/her intended major is found. This Handbook will provide information about the courses he/she must take and the entrance and exit requirements for them.

Accounting Course Descriptions

ACCT 210: Financial Accounting (3) (F, S, SS)
Is the introductory course for the accounting degree program. The course introduces the basic framework of accounting to all students majoring in accountancy. It exposes the accounting students to the underlying accounting concepts and constraints, and helps them in preparations of financial records, financial statements, and analysis of the major financial statements. Must be taken by all accounting majors.
Prerequisites : BUAD 115, BUAD 190, GE 115.

ACCT 220: Managerial Accounting (3) (F, S, SS)
Introduces accounting information that aids managers in planning, controlling, decision-making and performance evaluation. Some topics covered are cost classification and behavior, product costing, cost-volume-profit analysis, relevant cost, cost and benefit analysis, and budgeting. This course may not be used as credit for the major in accounting.
Prerequisite: ACCT 210.

ACCT 321: Intermediate Accounting I (3) (F,S)
This is the foundation course for financial reporting. It includes discussions of 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; Corequisite: ACCT 321L.

ACCT 321L: Intermediate Accounting I (1) (F,S)
Two laboratory hours each week. Emphasis is on analysis of business transactions, journalizing transactions, and preparation of statements and reports. Includes the use of Excel and accounting software.
Corequisite: ACCT 321.

ACCT 322: Intermediate Accounting II (3) (F,S)
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.
Prerequisites: ACCT 321, ACCT 321L.

ACCT 323: Intermediate Accounting III (3) (F,S)
This is 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.

ACCT 335:Federal Income Taxation (3) (F, S, SS)
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.

ACCT 398: Special Topics In Accounting (3) (F, S, SS)
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 a study of these topics as business electives.
Prerequisite: Junior standing and permission of the instructor.

ACCT 421: Cost Accounting (3) (F, S)
This course covers fundamental topics under cost measurement, cost management, planning, and performance measurement. Some topics covered 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, ACCT 321L

ACCT 422: Advanced Cost Accounting (3) (F)
Covers advanced topics under cost measurement, cost management, planning, and performance measurement. Some topics covered are cost estimation, joint and by-product costing, responsibility accounting, performance evaluation of responsibility centers, transfer pricing, balanced scorecard, and capital budgeting.
Prerequisite: ACCT 421

ACCT 425: Financial Auditing (3) (S)
This course focuses on the process of auditing financial statements. It also includes discussions of 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 323.

ACCT 431: Advanced Financial Accounting (3) (S)
Covers various specialized areas of accounting including consolidated financial statements, partnerships and limited liability companies.
Prerequisite: ACCT 323.

ACCT 435: Entities Taxation (3) (S)
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.

ACCT 440: Accounting Information Systems (3) (F)
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.
Prerequisites: BMIS 380 and either ACCT 321 and ACCT

321L or ACCT 220.

ACCT 450:Financial Statement Analysis (3) (F)
Explores the tools and techniques of financial statement analysis, emphasizing ratio and cash flow measurements of operating, financing, and investing performance. Focuses on finance and accounting concepts and practice.
Prerequisites: ACCT 321, ACCT 321L

ACCT 451: Government and Not-For-Profit Accounting (3) (F)
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.
Prerequisites: ACCT 321, ACCT 321L.

ACCT 460: Forensic Accounting (3)
Application of accounting methods and financial techniques to assist in solving economic-based crimes. Includes the 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.
Prerequisites: ACCT 321, ACCT 321L.

Art Course Descriptions

ART 100: Art Foundations (3) (F)
This course provides all majors in art disciplines a foundation in art history, aesthetics, 2-D design and color theory. Students will apply these Principles and concepts towards solving projects that address specific design problems.

ART 101: Graphic Design I (3) (S)
An introductory course that develops an understanding of fundamental visual concepts through a series of assignments that include visual analysis and development of two-dimensional media for communicating information. Course includes an introduction to computer graphics.
Prerequisite: ART 100

ART 102: Drawing I (3) (F; S)
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.

ART 103: Drawing II (3) (F; S)
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.
Prerequisite: ART 102.

ART 111: Three-Dimensional Design (3) (F)
This course will investigate the principle of 3-D design theory by the manipulation of pure elements in space through a series of design problems.
Prerequisite: ART 100

ART 201: Graphic Design II (3) (F)
An intermediate course that applies fundamental visual concepts to professional applications. Student assignments develop an understanding of the communication model and approaches to visual problem-solving skills. Course includes production techniques in computer graphics.
Prerequisite: ART 100.

ART 202: Graphic Design III (3) (S)
An intermediate course that develops complex design projects. Students will be required to translate written and statistical information into visual presentations. Students are required to analyze the appropriateness of their design solution and develop written and verbal presentation skills.
Prerequisite: ART 201.

ART 210: Typography I (3) (F)
Typography, as a broad study, has been defined as "the art of printing from moveable type, including the skilled planning of typeface and size, composition, and layout, to make a balanced and attractive whole." This course is an introductory to intermediate course that develops a fundamental understanding of typographic organization through the exploration of assigned studies and professional applications.
Prerequisite: ART 101.

ART 220: Painting I (3) (F)
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.
Prerequisites: ART 100, 102, or permission of instructor.

ART 221: Painting II (3) (S)
An intermediate level studio course that encourages critical self-assessment through analytical critiques, discussions and writing assignments. Emphasis is placed on the development of a personal style and the study of historical masterworks.
Prerequisite: ART 220.

ART 230: Sculpture I (3) (F)
This course is an introduction to the fundamentals of sculpture and the safe, appropriate use of tools and materials. The additive, subtractive and manipulative process will be explored.
Prerequisite: ART 101 or permission of instructor.

ART 231: Sculpture II (3) (S)
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.
Prerequisite: ART 101 or permission of instructor.

ART 260: Printmaking I (3) (F)
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.
Prerequisites: ART 100, 103.

ART 261: Printmaking II (3) (F; S)
This is an advanced course in Printmaking. The processes of intaglio, serigraphy, woodcut and linocut will be explored in depth.
Prerequisite: ART 260.

ART 295: Museum Studies I (3) (F)
An introduction to the field of museum work. Topics include the history and philosophy of museums, with an overview of museum management, museum education, collections care and management, and exhibition design.

ART 296: Museum Studies II (3) (S)
Advanced study of the operations and philosophy of museums featuring project-based experiences in museum education, collections management, and administration. The course will combine lectures, both by the instructor and visiting lecturers; class discussion of reading assignments; and field trips to museums and art spaces.
Prerequisite: ART 295 or consent of Department Chairperson.

ART 301: Graphic Design IV (3) (F)
Internet design course. Students will 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.
Prerequisite: ART 202.

ART 302: Graphic Design V (3) (S)
Advanced design problems with increased complexity. Assignments will employ the use of visual systems and strengthen the appropriateness of imagery and form used in the design solution. Open to Graphic Design majors only.
Prerequisite: ART 301.

ART 310: Typography II (3) (F)
This course is an intermediate to advanced course that develops a systematic approach to typographic organization through the exploration of assigned studies and professional applications. The typographic organization of diagrams, charts and graphs are used to translate data into images with understandable visual meaning. Open to Graphic Design majors only.
Prerequisite: ART 210.

ART 333: Imaging I (3)
This course is designed to be 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 instructions discretion. After defending the projects at mid-term, students will spend the remainder of the course developing self-directed projects.
Prerequisite: ART 100, ART 101, ART 103.

ART 340: Photography I (3) (F; S;SS)
Introduction to traditional black and white photography with emphasis on darkroom techniques.
Prerequisite: ART 100 or permission of instructor.

ART 341: Photography II (3) (F; S;SS)
An intermediate course in Photography with an emphasis on digital media. The use of photography as a multi-media to communicate visual meaning is explored.
Prerequisites: ART 340 and ART 101.

ART 350: Ceramics I (3) (F)
This course is an introduction to clay and clay bodies. Students will become familiar with the nature of clay, its limitations and possibilities. Emphasis will be placed on a variety of hand building techniques. Contemporary models will be referenced.
Prerequisite: ART 101 or permission of instructor.

ART 351: Ceramics II (3) (F)
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.
Prerequisite: ART 350.

ART 370: Jewelry I (3) (S)
Basic metal fabrication and casting techniques. Introduction to enameling and assemblage techniques.
Prerequisite: ART 101 or permission of instructor.

ART 371: Jewelry II (3) (S)
In-depth exploration into the aesthetic potential of metal forming techniques. Introduction to vocational aspects of jewelry production.
Prerequisite: ART 370.

ART 376: Glass I (3) (F)
This course is an introduction to the use of glass as an art medium. Students will explore basic glass manipulation techniques.
Prerequisites: ART 100 and ART 111 or permission of instructor.

ART 377: Glass II (3) (F)
An intermediate level course that explores working with hot and cold glass. Students will design and construct art work in glass using various techniques.
Prerequisites: ART 100 and ART 376.

ART 390: Fashion Illustration (3) (F or S)
A study of accurately drawing the clothed human body. Emphasis on fashion model proportions, design silhouettes, pattern and textured fabrics, and woven vs. knit drapery. Media to be explored include watercolor, gouache, color-pencil, ink, and computer drawing.

ART 393: Fashion Design I (3) (F;S)
Introduction to the design and construction of fashion. Covers, but not limited to, textile analysis, proportion, tailoring techniques, fabric construction, and design techniques.
Prerequisite: ART 390 or permission of instructor.

ART 394: Fashion Design II (3) (F;S)
Continuation of ART 393. Professional practices in fashion design.
Prerequisite: ART 393.

ART 397: Exhibition Design (3) (S)
An introduction to museum exhibit planning and design. Students are introduced to exhibit development, the design process, and evaluation, and to a variety of professional skills through hands-on exercises, exhibit critiques, museum observations, and museum field trips.
Prerequisite: ART 295 or consent of Department Chairperson.

ART 398: Introduction to Methods in Museum Education (3) (F;S)
Introduction to theories of museum education and interpretation and application of appropriate techniques within the museum setting.
Prerequisite: ART 295 or consent of Department Chair.

ART 400: Advanced Studio I (3) (F; S)
This course will consist of an individualized in-depth study of the students' medium of interest. Students must prepare a proposal outlining the direction of their study.
Prerequisite: Approval from academic advisor.

ART 401: Advanced Studio II (3) (F; S)
This course is a continuation of the exploration of a chosen medium of interest. Preparation of work for presentation/critique will be a component of this course.
Prerequisite: ART 400.

ART 402: Advanced Studio III (3) (F; S)
This course is 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.
Prerequisite: ART 401.

ART 403: Advanced Studio IV (3) (F; S)
The development of a heighten understanding of artistic visual solutions and techniques of a chosen media. A professional attitude and work ethic is emphasized. Exhibition of work is required in this course.
Prerequisite: ART 402.

ART 406: Internship in Art (A,G,M & T) (3) (F; S; SS)
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 the university.

ART 409: Senior Portfolio/Show (3) (S)
This course will assist students with preparation and documentation of their artwork. Methods of assembling a physical and digital portfolio will be explored. Writing and designing a resume will be emphasized. Students will be required to mount a senior show.

ART 445: Filmmaking (3) (S)
An introductory course which investigates the history and techniques of filmmaking as an art form. Students will design, produce, and edit their original videos as a component of this course.

ART 450: Introduction to Art Therapy (3) (F)
This course will be an introduction to Art Therapy which includes: professional standards and issues, the role of the art therapist in the clinical situation, and basic art therapy theories and practices.

ART 451: Methodologies of Art Therapy (3) (S)
This course will cover professional methodologies in art therapy, development in art, parameters of the clinical situation, and use of art in clinical practice.
Prerequisite: ART 450.

ART 452: Sensation & Perception in Art Therapy (3)
This course will deal with theories of sensation and perception as they apply to art therapy.
Prerequisite: ART 451.

ART 480: Interior Design (3) (F;S)
A basic course in studio problems that includes a study of periods and contemporary styles. The measurements and scaling of interior space and furniture, perspective drawing and rendering, floor plans, textile evaluation and usage will be explored.
Prerequisite: ART 100 or permission of instructor.

ART 485: Arts Management (3) (F)
This course will cover the business aspects, theories and legal issues of arts management related to the operation of the arts councils, governmental and nonprofit art agencies, as well as galleries and other for profit entities.

ART 490: Fibers (3) (F;S)
A course in basic weaving techniques, tapestry and loom weaving, and survey of fiber techniques.
Prerequisite: ART 100 or permission of instructor.

ART 498: Graphic Design Applied Theory (3) (F) *
This is 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.
*Prerequisite: ART 301. * Class must be taken during the same semester as Art 499.*

ART 499: Graphic Design Seminar (3) (F) *
This course revolves around an examination of current topics in graphic design with conceptual and theoretical approaches for analyzing visual communication. Emphasis is placed on critical reading, research and writing in a seminar atmosphere. Open to Graphic Design majors only.
*Prerequisite: ART301. * Class must be taken during the same semester as ART 498.*

Art History Course Descriptions

ARTH 201: Art and Religion (3) (F; S)
This course will examine the relationship of these two expressions of the human experience from prehistory to the present. Religion as an impetus ro the acrivity of image making and the creative process will be explored through the examination of art, artifacts and architecture.

ARTH 211: Ancient Art (3) (F;S)
An analysis of painting, sculpture, crafts, and architecture of the civilizations of antiquity, including those of Prehistoric cultures, Egypt, Mesopotamia, Greece, Rome, India, China, Oceana, North and Meso-America, Africa, and Pre-historic Europe.

ARTH 212: Medieval Art (3) (F; S)
A study of Western and Non-Western art from the end of the Classical era to the Renaissance.

ARTH 217: History of Graphic Arts (3) (S)
This course is a broad survey of the history of graphic design to develop a fundamental understanding of the subject through presentation and discussion. *Open to Art Majors only.*

ARTH 301: The Artist, Religion and Contemporary Society (3) (S)
This course will explore the impact of the visual arts on religion in contemporary society and the effects of religion on image-making, and controversies surrounding specific artists and works of art will be examined and discussed.

ARTH 313: Renaissance Art (3) (F;S)
This course is a study and analysis of 14th-, 15th-, and 16th-century Italian and Northern Renaissance Art and architecture with emphasis on the works of leading masters.

ARTH 315: African American Art (3) (F; S)
A study and analysis of the influence and contributions of African American artists and artists from the African diaspora on the world of art.

ARTH 317: Nineteenth-Century Art (3) (F;S)
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.

ARTH 318: Twentieth-Century Art (3) (F;S)
Covers the major art movements and artists/architects of the 20st century including Cubism, Expressionism, de Styjl, Bauhaus, Surrealism, Regionalism, Abstract Expressionism, Pop, Op, Minimal, Conceptual, Post-Modern, Deconstructionism, and Outsider Art with a multicultural emphasis.

ARTH 319: Baroque/Rococo Art (3) (F;S)
A study of art and architecture during 16th-18th centuries, emphasizing major artists in France, Holland, and Spain. Overview of other 16th through 18th-century cultures including Western and Non-western art.

ARTH 416: Theory of Contemporary Art and Design (3) (F; S)
Broad introduction to theories of contemporary art and design. Includes: aesthetics; design theory; exploration of publications, galleries, and museums; career opportunities in art; erc.

ARTH 499: Capstone Course (Art and Religion) (3) (S)
This course is a self directed research experience. The student will focus on relationships between art and religion, with emphasis on a topic of personal interest. The student will produce a scholarly research document that will be supported by personal visual iconographic investigation.

Aviation Science Course Descriptions

AVI 100: Introduction to Aviation (3)
This course 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.
Prerequisite: None.

AVI 220: Air Transportation (3)
A survey of the U.S. air transportation system including: detailed aspects of the industry's imporrance to the U.S. economy; the industry's components and their interactions, historical developments and growth, the impact of regulations and legislation, business and commercial operations, airline and general aviation economics, social impact of aviation, characteristics of Federal Aviation Administration and National Transportation Safety Board.
Prerequisite: AVI -100

AVI 230: Aviation Management (3)
An introduction to management and operations in the aviation industry. The management of large and small airports and fixed base operators are covered with a focus on current aviation management practices.
Prerequisite AVI-100

AVI 232: Aviation Safety (3)
Fundamentals of safe flight operations, including psychology of safety, ego vs. safety, prevention concepts and methods, accident investigations, procedures for aircraft handling and fueling; weather minimums; flight instrumentation requirements and limitations; weight and balance; pilot/controller authority and responsibilities; and air crew requirements. NTSB Board aircraft accident investigation reports will be used to develop accident prevention analytical skills.
Prerequisite: AVI 100

AVI 250: Basic Aerodynamics (3)
The course is designed as a basic study of aerodynamics, including aircraft performance, stability, control, weight and balance, and special flight conditions and configurations. Basic theories of flight, including airfoil design, drag, lift, thrust, weight and velocity as well as calculations of stall speed, drag, and basic performance criteria are covered.
Prerequisite: AVI 100.

AVI 260: Aviation Human Factors (3)
The course is a basic study of human and machine interface within the aviation environment. The student will study individual and group performances, equipment design, advance and emerging technologies, physical environments, and procedure development. Course topics include psychology, physiological factors, ergonomics, and human and machine interfacing, and their roles in aviation.
Prerequisite: AVI 100.

AVI 314: Aviation Meteorology (3)
The study of weather and meteorological phenomena as they affect aircraft operations, air traffic control, and flight safety are studied. Topics covered 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 and related flight hazards; and wind shear.
Prerequisite: AVI 100

AVI 315: Aviation Legislation (3)
An introduction to the laws and regulations as they pertain to aviation. Topics include 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 330: Ethics in Aviation (3)
The student will learn about ethical issues in the field of aviation. The course seeks to create a heightened awareness in the student about his/her decision-making processes. The student will better learn about the moral and ethical decisions made by aviation professionals and the impact of those decisions.
Prerequisites: 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.
Prerequisites: AVI 100, AVI 220.

AVI 350: Advanced Aerodynamics (3)
The course is designed as an advanced study of the theories of flight and flight factors, including airfoil shape, drag, velocity, lift and thrust, stability and control. The student will learn advanced Principles of performance, including capabilities and limitations, performance and design criteria, load factors, weight and balance charts, comparative analysis of aircraft, and aircraft certification. Also, the course will cover aerodynamic performance of aircraft powered by reciprocating, turboprop, and jet turbine engines, and rotorcraft theory.
Prerequisites: AVI 100, AVI 220, AVI 250.

AVI 360: Transition to the Aviation/Aerospace Industry (3)
A Junior-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" and the "professional in aviation", resume writing, interviewing skills, setting goals, public speaking and presentation skills, and networking.
Prerequisites: AVI 100, AVI 220, Aviation major with junior standing or permission from the Program Director/or the instructor.

AVI 416: 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, AVI 220, AVI 230.

AVI 420: Crew Resource Management (3)
The student will learn the fundamentals of CRM and the decision–making processes that challenge crewmembers in

the complexities of modern day aircraft and airspace. The student will research and analyze CRM-related aircraft accidents as reported by the NTSB and other sources. CRM issues will be demonstrated and studied, and a flight training device may be used when applicable.
Prerequisites: AVI 100, AVI 220, AVI 232

AVI 460: Aviation Internship (3)
An academic internship is an opportunity for students to apply classroom knowledge to real world situations. Academic internships are opportunities for students to broaden their horizons and to gain experience. Internships are work experiences that lead to academic credit. Evaluations are based in part on written reports from the employee.
Prerequisite: Consent by the Program Director.

AVI 465: Aviation Capstone (Senior Project) (2)
The Capstone course 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 with cooperation with a governmental and aerospace industry partner. This course will culminate with a senior project and presentation.
Prerequisite: Senior status or consent of Program Director.

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.
Prerequisites: Consent of instructor and permission 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. The course will present the significant issues in aviation and aerospace. It 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 being and will be able to project the issue into the future to anticipate how it might affect other aviation concerns.
Prerequisites: Consent of instructor and permission from the Program Director.

Avionics Course Descriptions

AVNC 100: Basic Avionics (3)
This course is intended to provide 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, radio navigational aids; including automatic direction finding, VOR, DME, NDB, ILS, MLS, HSI, marker beacon, and transponder. Theory of global positioning system (GPS), flight control systems, and basics of radar system will also be covered.
Prerequisites: None.

AVNC 240: Flight Communication Systems (3)
The course is a study of the basic Principles of communication systems used on modern aircraft, including avionics transmission and reception systems, HF, VHF, UHF, and satellite, and introduction to radio systems, basic RF systems, RF transmitters, signal generation, signal detection and amplification, carrier modulation AM, FM, and SSB, and 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.

Flight Course Descriptions

FLT 110: Private Pilot Ground (3)
This course enables students to develop the knowledge required to successfully complete the FAA Private Pilot Knowledge Test. Topics include aviation weather, airplane performance, cross-country planning and navigation, flight computers, aviation physiology, aeronautical decision-making, and Federal Air Regulations.
Prerequisites: None.

FLT 115: Private Pilot Flight (2)
The course provides students with the practical in-flight instruction and minimum flight time to complete all maneuvers and operations required by the Federal Aviation Regulations to earn the FAA Private Pilot Certificate. The course includes all dual and solo flights, the evaluation flights, and the costs for the initial oral and flight examinations administered by the FAA or a FAA Designated Examiner.
Prerequisites: FLT 110 and Permission from the Program Director or his assignee.

FLT 225: Cross Country Flight (2)
Students continue their Private Pilot experience by completing 50 hrs of training, most of which are cross-country and solo flight operations. Students continue to work closely with their flight instructors who supervise their cross-country planning and flight operations.
Prerequisites: FLT 115 and Permission from the Program Director or his assignee.

FLT 320: Instrument Ground (3)
The course is designed to prepare students to successfully complete the FAA Instrument Knowledge Test. Topics of the course include FARs and AIM, ATC system and procedures, IFR navigation and approaches, enroute and instrument approach charts, weather, safe and efficient aircraft operations, and CRM.
Prerequisite: FLT 110

FLT 325: Instrument Flight (2)
The course provides students with the practical in-flight instruction and minimum flight time to complete all maneuvers and operations required to earn the FAA Instrument Rating. The course includes all dual and solo flights and the evaluation flights.
Prerequisites: FLT 110, 115, 225; pre- or co-requisites: FLT 320 and Permission from the Program Director or his assignee.

FLT 330: Commercial Ground (3)
The course is designed to prepare students to successfully complete the FAA Commercial Pilot Knowledge Test. Topics of the course include FARs and AIM, basic aerodynamics and the Principles of flight, meteorology and critical weather situations, weight and balance, performance charts, aircraft systems, National Airspace System, aeronautical decision making, safe and efficient aircraft operations, and aircraft limitations.
Prerequisite: FLT 110

FLT 335: Commercial Flight (2)
The course provides students with the practical in-flight instruction and the minimum flight time to complete all maneuvers and operations required to earn the FAA Commercial Pilot Certificate. The course includes all dual and solo flights and the evaluation flights.
Prerequisites: FLT 100, 115, 225; pre- or co-requisites: FLT 330 and Permission from the Program Director or his assignee.

FLT 340: Multi-Engine Ground (2)
Students will study the design, construction, and flight characteristics of multi-engine aircraft. The course provides students with the ground instruction to safely operate multi-engine aircraft and to complete the oral examination for the FAA Airplane Multi-engine Class Rating.
Prerequisites: Meet minimum FAA Requirements and Permission from the Program Director.

FLT 345: Multi-Engine Flight (2)
Through ground and flight sessions, students will develop the knowledge and skills necessary to safely operate multi-engine aircraft and to earn the FAA Airplane Multi-engine Class Rating. The course includes all dual and solo flights.
Prerequisites: FLT 110, 115, 225, 330, 335 and Permission from the Program Director or his assignee.

FLT 420: Flight Instructor Ground (2)
The course enables students to develop the knowledge required to successfully complete the FAA Knowledge Test for the Airplane Flight Instructor certification. Topics include the learning process, effective teaching, student evaluation and testing, course development, lesson planning, aeronautical knowledge areas for recreational, private, and commercial pilots.
Prerequisites: Meet minimum FAA Requirements and Permission from the Program Director or his assignee.

FLT 425: Flight Instructor Flight (2)
The course provides students with the practical in-flight instruction and flight experience to complete all maneuvers and operations required to earn the FAA Certified Flight Instructor Airplane Certificate. The course includes all dual flights and evaluation flights.
Prerequisites: Meet minimum FAA Requirements and Permission from the Program Director or his assignee.

FLT 430: Advanced Flight Instructor Ground (2)
The course is designed to provide flight instructors with the knowledge to train advanced flight students. For the flight instructor interested in teaching instrument and multi-engine students, this course goes into greater detail about instructing in the classroom, conducting effective briefing and debriefing sessions, being effective in Flight simulators and FTDs, recognizing learning styles, identifying and correcting subtle error patterns in their students, and better understanding the role of the flight instructor.
Prerequisites: FLT 420 & 425, flight instructing experience, and Permission from the Program Director or his assignee.

FLT 435: Instrument Flight Instructor Flight (2)
The course provides students with the ground instruction, practical in-flight instruction and flight experience to complete all maneuvers and operations required to earn the FAA Certified Flight Instructor Instrument Rating.

The course includes all dual flights, and evaluation flights.
Prerequisites: Meet minimum FAA Requirements and Permission from the Program Director or his assignee.

FLT 445: Multi-Engine Flight Instructor (2)
The course provides students with the ground instruction, practical in-light instruction and flight experience to complete all maneuvers and operations required to earn the FAA Certified Flight Instructor Multi-engine Rating. The course includes all ground instruction, dual flights and evaluation flights.
Prerequisites: Meet minimum FAA Requirements and Permission from the Program Director or his assignee.

Space Science Course Descriptions

SSCI 101: Introduction to Space Science (3)
The student will explore the early days of rocket development and orbit theory, the Cold War and the race to the moon, the Space Shuttle, future space developments, and the exploration of space by manned and unmanned spacecraft, including novel robotic probes like Spirit and Opportunity. The student will gain insights about the NASA Constellation program, the creation of a lunar outpost, and retirement of the space shuttle and the International Space Station. Discussions will also direct the student toward other nations that are entering the aerospace arena.
Prerequisites: None.

SSCI 210: Aviation and Aerospace Industries (3)
This course is designed to examine the relationship between the aviation and aerospace industries. Discussions of the similarities, differences, and commonalities about both industries will be explored. Topics will include entry-level and managerial job requirements, and education requirements for career positions in both industries.
Prerequisites: None.

SSCI 215: Earth's Atmosphere and Zero Gravity (3)
The course will explore Earth's atmosphere and zero gravity. Topics will include stratification of the Earth's atmosphere, the effect of gravity and air molecules on aviation and space vehicles, pressure and altitude, aerodynamics, aircraft and space vehicle engineering. Other topics will include the influence of zero gravity on space exploration, life in space, orbital and suborbital flights, hybrid air-spacecraft, and space tourism.
Prerequisite: SSCI 101.

SSCI 220: National and International Space Agencies (3)
The student will study the roles that NASA and other international space agencies play in the space arena. The student will learn the role of the other major space agencies in the development of the International Space Station (ISS) and international space policy. Special attention will be given to the analysis of the final report of the National Aerospace Commission.
Prerequisite: SSCI 101.

SSCI 230: International Organizations and Space Technology (3)
The student will learn the responsibilities that international organizations have in regulating space technology. Also, the student will acquire a thorough understanding of the roles of UNESCO, UN-COPUOS, UN-OOSA, and ITU, and their interrelationships to one another.
Prerequisites: SSCI 101 and 220.

SSCI 325: Introduction to Space Law (3)
The course is designed to develop awareness of the existing five treaties and the legal Principles on space law. Topics will include legal aspects of space applications, space debris, bilateral and multilatetal agreements governing space activities and initiatives, and the fundamentals of space sciences and commercial aerospace law. The student will examine and analyze relevant cases studies.
Prerequisite: SSCI 101.

SSCI 330: Physiology and Psychology in Space (3)
The course will introduce the student to human physiology and psychology in the space environment. Topics include medico-biological problems of space flight, space medicine, human biology and life support, and space pharmacology. The effects of zero gravity on muscle mass, skeletal system, cardiovascular systems, and neuro-vestibular systems will be discussed. The student will be introduced to the fundamentals of astrodynamics, and will study astrodynamics as applied to Apollo Missions, the space shuttle, and future exploration programs.
Prerequisite: SSCI 101.

SSCI 340: Introduction to Artificial Satellites (3)
The course will familiarize the student with artificial satellites as a domain of space activity. Students will learn about the history and development of satellites, and their technological values and commercial applications. Orbital altitudes (low orbit, near earth orbit, and geostationary) will be examined based on their different missions and scientific protocol. These missions include earth observations, agriculture studies, environmental studies, ocean studies, communications, remote sensing and its applications, and scientific research. The student will become acquainted with the new trends of small, mini, micro, and nano satellites, their launchings, and legal registration processes.
Prerequisite: SSCI 101.

SSCI 410: Fundamentals of Astronomy, Astrophysics and Astrobiology (3)
The course is designed to provide a rigorous introduction to the fundamentals of the physics of the universe. Topics include the physical properties of celestial objects. The student will study the similarities and differences between astrophysics and astronomy. Class sessions will be devoted

to observations of nighttime skies, constellations, galaxies, planets, and deep space by using earth-based and space-based telescopes. Also, the origins, evolution, distribution, and future of life in the universe will be studied.
Prerequisite: SSCI 101.

SSCI 430: Space Faring and Non-Faring Nations (3)
The student will develop an understanding of the relationship between space faring nations and space non-faring nations. Also, the student will study the international resolutions and recommendations that encourage cooperation and partnership between technologically advanced nations and those that are technologically challenged. Further, the student will become acquainted with the newly created regional centers for space studies and "know-how" transfer.
Prerequisite: SSCI 101.

SSCI 440: Space Technology and the U.S. Economy (3)
The students will acquire a thorough understanding of the financial and economic rationales for space exploration in the United States. Topics of the course include the budget of NASA, the Principles of space business and economics, aerospace initiatives, the NASA Constellation Program, space education, space tourism, space contracts, the commercialization of space, and space project financing and insurance.
Prerequisite: SSCI 101.

Banking & Finance Course Descriptions

BFIN 210: Personal Financial Management (3) (F,S,SS)
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.
Prerequisites: None

BFIN 311: Principles of Finance (3 credit hours, plus 1 recitation hour) (F,S,SS)
Provides an introduction to the study of finance with an emphasis on managerial or corporate finance. Also, introduces financial institutions and investment fundamentals.
Prerequisites: Business Administration, Accounting, Aviation Science or Sports Management major and ACCT 210, or permission of department chairperson.

BFIN 320: Financial Management (3) (F)
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: Business Administration major and BFIN 311, or permission of department chair.

BFIN 350: Investments (3) (F)
Principles of security investments, analysis of specific studies, portfolio construction, and management.
Prerequisites: Business Administration major and BFIN 311 or ACCT 321, or permission of department chairperson.

BFIN 398: Special Topics in Finance (3) (F,S,SS)
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: Business Administration major, junior standing and permission of the instructor.

BFIN 42S: Commercial Bank Management (3) (S)
Focuses on operation, management, and analysis of commercial banks and other financial institutions.
Prerequisites: Business Administration major, BFIN 311 and ECON 318, or permission of department chair.

Biology Course Descriptions

BIOL 101: General Biology for Majors I (4) (F)
An introductory first course of a two-semester sequence in conjunction with BIOL102 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; tutorial: two hours. Must be Biology Major or have Department permission.
No Course Prerequisites.

BIOL 102: General Biology for Majors II (4) (S)
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; tutorial: two hours.
Prerequisites: BIOL 101.

BIOL 201: Comparative Vertebrate Anatomy (4) (F)
A comparative study of structural features and development of organ systems of various classes of vertebrates with emphasis on their evolutionary sequence. Lecture: two hours; laboratory: four hours.
Prerequisites: BIOL 101, BIOL102.

BIOL 204: Instrumentation in Biology (1) (S)
Acquaints students with equipment and procedures utilized in biological research. Laboratory: two hours.
Prerequisites: BIOL 101, BIOL 102

BIOL 207: Human Anatomy (4) (S)
Comprehensive coverage of form and structure of the human body. Lecture: three hours; laboratory: two hours.
Prerequisites: BIOL 101, BIOL102.

BIOL 208: Human Nutrition (3) (F;S)
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.
Prerequisites: BIOL 101, BIOL102 or BIOL 215, BIOL 216 and CHEM 101, CHEM 101L, or CHEM 115, CHEM116.

BIOL 210: Genetics (3) (F;S)
In-depth view of classical and molecular genetics, including nucleic acid structure, function and interaction in cellular systems. Lecture: two hours; laboratory: two hours.
Prerequisites: BIOL 101, BIOL102.

BIOL 211: Organic Evolution (3) (F;S)
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: three hours.
Prerequisites: BIOL101, BIOL102.

BIOL 215: Anatomy & Physiology I (4) (F)
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.
Prerequisites: Must be science major and have instructor consent.

BIOL 216: Anatomy & Physiology II (4) (S)
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.
Prerequisites: Must be science major and have instructor consent..

BIOL 250: Biological Orientation (1) (F;S)
Prepares intended Biology majors for entry into the Department. Emphasis is given to laboratory report writing, oral presentations, practical examination techniques, sketching, instrumentation, terminology, note-taking skills, and career development activities. Lecture: one hour.
Prerequisites: No course prerequisites, must be Biology major.

BIOL 300: General Ecology (3) (F)
Principles of ecology as they relate to population and ecosystem dynamics. Natural ecosystem as affected by industrialization, agriculture, and other human activities. Lecture: two hours; laboratory: two hours.
Prerequisites: BIOL 101, BIOL 102.

BIOL 301: General Zoology (4) (F;S)
A basic course in animal biology, with emphasis on the life history, structural features, distribution, and taxonomy of groups in a sequence of development from lower to higher orders. Basic laboratory studies in animal biology with emphasis on the structural organization of representative animal groups. Lecture: three hours; laboratory: two hours.
Prerequisites: BIOL 101, BIOL102.

BIOL 302: General Botany (4) (F;S)
Covers basic biological phenomena of plant life, including anatomy, physiology, growth, development, distribution, classification and economic relevance. Lecture: three hours; laboratory: two hours.
Prerequisites: BIOL 101 and BIOL102.

BIOL 303: Parasitology (3) (F;S)
The course is designed to provide 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 will explore evolutionary aspects of host-parasite interactions. Lecture: This course is offered as Distance Learning.
Prerequisites: BIOL 101 and BIOL102.

BIOL 307: Human Physiology (4) (F;S)
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.
Prerequisites: BIOL 101, 102.

BIOL 308: Introduction to Molecular Forensic Science (3) (S)
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 finger printing using human, animal, plant and microbe models. Lecture: two hours; Laboratory: two hours.
Prerequisites: BIOL 101 or GE 155 or one other Biology course approved by instructor.

BIOL 341: Microbiology (4) (F;S)
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 . Combined lecture and laboratory: five hours.
Prerequisites: BIOL101, BIOL102, CHEM 101, CHEM 101L, CHEM 102, CHEM 102L.

BIOL 345: Plant Systematics (3) (S)
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.
Prerequisites: BIOL 302.

BIOL 350: Introduction to Experimental Methods (3) (F;S)
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.
Prerequisites: BIOL 101, BIOL102, CHEM 102, CHEM 102L and at least one other 200 level or higher Biology course approved by instructor.

BIOL 352: Frontiers in Molecular Biology (3) (F;S)
Introduces the molecular structures 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 aspects of recombinant DNA technology and molecular biology techniques, such as blots, sequencing and DNA fingerprinting. Combined lecture and laboratory: four hours.
Prerequisites: BIOL 350, CHEM 301.

BIOL 355: Career Entry Seminar (2) (F;S)
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 résumé and application cover letters. Lecture: Two hours.
Prerequisites: Must be junior or senior classification Biology major or have Department consent.

BIOL 380: Cell Biology (3) (F;S)
Covers details of the fine structure of cells, their physical/chemical composition, organization and metabolism. Lecture: three hours.
Prerequisites: BIOL 101, BIOL102, CHEM 302, CHEM 302L.

BIOL 395: Introduction to Neuroscience (3) (F)
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.
Prerequisites: BIOL 307, CHEM 302

BIOL 401: Plant Physiology (3) (S)
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.
Prerequisites: BIOL 302, CHEM 101, CHEM 101L.

BIOL 405: Animal Biotechnology (4) (F)
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.
Prerequisites: BIOL 101, BIOL 102, BIOL 350.

BIOL 406: Plant Biotechnology (4) (S)
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.
Prerequisites: BIOL 101, BIOL102, BIOL350

BIOL 442: Developmental Biology (3) (S)
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.
Prerequisites: BIOL101, BIOL102, BIOL 201, BIOL 307.

BIOL 443: Principles of Immunology (3) (S)
A survey of the basic concepts and Principles on acquired resistance of higher animals and humans to infection by microorganisms. Lecture: three hours.
Prerequisites: BIOL 341, CHEM 101, CHEM 101L, CHEM 102, CHEM 102L, CHEM 301, CHEM 301L.

BIOL 450: Advanced Techniques in Biotechnology (4) (F)
This course focuses on the theoretical concepts and emphasizes "hands-on" experience with advanced techniques including, but not limited to, polymerase chain reaction, DNA cloning and expression screening and aspects of plant molecular biology, and biotechnology. Lecture: two hours; laboratory: four hours.
Prerequisites: BIOL 352 and instructor consent.

BIOL 460: Advanced Experimental Methods (4) (S)
This course is designed to increase 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.
Prerequisites: BIOL 350, must be junior or senior classification Biology major or have instructor consent.

BIOL 485: Medical Terminology (1) (F;S)
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.
Prerequisites: BIOL101, BIOL102

BIOL 486: Scientific Writing (1) (F)
This Capstone course is designed to evaluate the student's ability to successfully understand and communicate complex scientific concepts in written format. Emphasis on scientific writing and critiquing scientific articles, use of the library and writing résumés, business letters, and other professional documents. As a course requirement, students will perform internal/external standardized knowledge and critical thinking exams outside the meeting period. Lecture: one hour.
Prerequisites: Senior classification Biology major or Marine Environmental Sciences major or Department consent.

BIOL 487: Statistical Applications in the Sciences (3) (F;S)
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, variance, etc. Lecture: three hours.
Prerequisites: BIOL101, BIOL102, GE 115.

BIOL 488: Computer Applications in the Sciences (1) (F;S)
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.
Prerequisites: Must be junior or senior classification Biology major or have Department consent.

BIOL 489: Special Problems in Biology (1) (F;S)
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.
Prerequisites: Must be junior or senior classification Biology major or have Department consent.

BIOL 490: Ethics in Biotechnology (1) (F;S)
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 consent.

BIOL 491: Bioethics in Healthcare (3) (F;S)
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: BIOL 101, BIOL102 or BIOL 215, BIOL 216.

BIOL 493 Field Experience in Biological Science (3) (F;S)
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.
Prerequisites: Sophomore, junior or senior level classification Biology major

BIOL 495: Biology Seminar (1) (F;S)
This Capstone course is designed to evaluate the student's ability to successfully verbally communicate complex scientific concepts as the culmination of nearly four years of matriculation. Content focuses on recent advances and problems in biology with strong emphasis on individual student participation and general discussion. Lecture: one hour.
Prerequisites: Senior classification Biology major or Marine Environmental Science major or Department consent.

BIOL 496: Science and Human Values (1 or 2) (F;S)
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.
Prerequisites: BIOL 101, BIOL102.

BIOL 499: Biological Research (1 or 2) (F;S)
Investigational work on a select topic in biology under the guidance of faculty members in the Department. Requires advanced standing and consent of Department Chairperson and Instructor Laboratory: two hours and additional lab time scheduled as necessary.
Prerequisites: BIOL 101, BIOL 102, CHEM 101, CHEM101L, CHEM 102, CHEM 102L.

Business Administration Course Descriptions

BUAD 115: Introduction to Business (3) (F, S, SS)
Surveys the various disciplines within business 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

BUAD 190: Management Information Systems I (3) (F, S, SS)
The course 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.
Pre-requisite: business or Pre-Accounting majors or permission of the instructor. Students enrolled in the class must purchase the workbook.

BUAD 200: Business Communication (3) (F, S, SS)
Emphasizes and enhances the importance of communication skills in the business world. It identifies and reviews the foundations of communication for business – listening, speaking, writing, and reading. Builds communication skills with technologies and practical business applications and by developing intercultural communication skills for the global business community.
Prerequisite: BUAD 115 and GE 103.

BUAD 240: Ethics (3) (F, S, SS)
Course covers the theories of both ethics and the practice of ethical leadership in dynamic business environment.
Prerequisites: MNGT 221, ACCT 220, MRKT 231.

BUAD 241: Business Law (3) (F, S, SS)
Study of law and its application to business and business transactions. This is 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

BUAD 260: Career Development Seminar (1) (F, S, SS)
This seminar 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 practice will be invited as presenters.
Prerequisites: BUAD 115

BUAD 322: Entrepreneurship: Business Ownership & Control (3) (F;S)
Course 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.
Prerequisites: Business Administration major or Accounting, ECON 202, MNGT 221, and MRKT 231, or permission of department chairperson.

BUAD 360: Quantitative Methods for Business and Economics (3) (F, S, SS)
Exploration of mathematical techniques used in economics and business management with emphasis on applied problems, and relationship between technique and theory.
Prerequisites: Business Administration or Accounting Major and ECON 260 or permission of department chairperson.

BUAD 365: Business Research and Report Writing (3) (F, S)
Comprehensive techniques of business reporting which include surveying markets, summarizing findings, and writing analytical and informative reports.
Prerequisites: Business Administration or Accounting major and ECON 260 or permission of department chairperson.

BUAD 421: Production/Operations Management (3) (F, S)
Studies 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.
Prerequisites: Business Administration or Accounting major and MNGT 221, MRKT 231, BUAD 360, or permission of department chairperson.

BUAD 424: High-Tech Businesses (3) (S)
Developing innovation in high technology businesses, financing and venture capitalism role, start up, operations, and harvest.
Prerequisites: Business Administration or Accounting major and BUAD 322, or permission of department chair.

BUAD 425: Franchise Selection, Training, Financing, & Operations (3) (F)
The course is a survey of franchises, royalties and fees, legal implications of franchising, selection among franchise opportunities, franchise application process, franchise training, and operations.
Prerequisites: Business Administration or Accounting major and BUAD 322, or permission of department chairperson.

BUAD 455: Strategic Management (3) (F, S, SS)
The course is 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 used from the text and from current business situations. Students will learn how to apply the tools of analysis and critical thinking to the strategic challenges managers face.
Prerequisites: Business Administration or Accounting major, senior standing, BFIN 311, MNGT 221, and MRKT 231, or permission of department chairperson.

BUAD 456: International Business (3) (F, S, SS)
This course is 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.
Prerequisites: Business Administration major or Accounting, senior standing, BFIN 311, MNGT 221, MRKT 231, or permission of department chairperson.

BUAD 490: Internship I (3) (F, S, SS)
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. Only 6 hours of internship credit (BUAD 490 or BUAD 491) may be applied roward graduation requirements.
Prerequisites: Business Administration or Accounting major, BUAD 260, junior or senior standing, and permission of the Dean or Internship Coordinator..

BUAD 491: Internship II (6) (F, S, SS)
Intended for full-time interns. 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 300 hours to earn 6 semester hours credit. *NOTE*: Only 6 hours of internship credit (BUAD 490 or BUAD 491) may be applied toward graduation requirements.
Prerequisites: Business Administration or Accounting major, BUAD 260, junior or senior standing, and permission of the Dean or Internship Coordinator.

BUAD 495: Independent Studies (3) (F, S, SS)
The course allows 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 form each semester.
Prerequisites: Business major, junior or senior standing with overall average of at least 2.75. Consent of Dean and permission of instructor required.

Chemistry Course Descriptions

CHEM 101: General Chemistry I (3) (F;S;SS)
First course of a two-semester sequence. Treats in-depth fundamental concepts of chemistry starting with measurements, formulas and equations, elementary stiochiometry, atomic structure and bonding, relationship of periodic classification of elements, properties of gases and liquids. Lecture: three hours per week.
Corequisite: CHEM 101L.

CHEM 101L: General Chemistry I Lab (FS;SS)
Laboratory experiments designed to reinforce the concepts of general chemistry. Three hours of laboratory per week.
Corequisite: CHEM 101.

CHEM 102: General Chemistry II (3) (F;SS)
Second course of a two-semesrer sequence. Deals with topics such as solutions, acids, bases, salts, oxidation-reduction, chemical equilibrium, chemical kinetics, the solubility product Principles, electrochemistry, and nuclear chemistry.
Prerequisite: CHEM 101/L; Corequisite: CHEM 102L.

CHEM 102L: General Chemistry II Lab (1) (F;SS)
Laboratory experiments designed to reinforce the Principle of general chemistry including qualitative analysis. Three hours of laboratory per week.
Corequisite; CHEM 102.

CHEM 200: Special Topics in General Chemistry (3)(F;S)
This is a continuation of General Chemistry 102/L. It provides practical applications of chemistry in such areas as forensic science, biomedical sciences, industry, and engineering. Selected topics will include, but are not limited to, cosmetics and personal care, chemicals of the mind, chemistry of addiction, energy, medicine, nuclear calendar, dirty bombs, nuclear terrorism and basics of the chemistry of life. The course is designed to make practical sense out of Chemistry 101 and 102. Lecture: Three hours per week.
Prerequisite: CHEM 102.

CHEM 202: Quantitative Analysis (2) (F;S)
Theory, calculation, and techniques of gravimetric, titrimetric, and photometric methods of analysis are treated. Thorough coverage of topics on ionic equilibria, weak electrolytes, solubility products, complex ions, and redox reactions. Lecture: two hours per week.
Prerequisite: CHEM 101L; Corequisite: CHEM 202L.

CHEM 202L: Quantitative Analysis (2) (F;S)
Covers laboratory experiments to reinforce the techniques of quantitative chemical analysis. This course must be taken with CHEM 202. Six hours of laboratory per week.
Corequisite: CHEM 202

CHEM 205: Inorganic Chemistry (4) (F;S)
Designed to give students the chemistry of the elements including structures, properties, and chemical periodicity, descriptive chemistry of the elements, and reactions of transition metal complexes. Lecture: 3 hours per week.
Prerequisite: CHEM 102.

CHEM 301: Organic Chemistry I (3) (F;SS)
Biomedical science is the application of biology/chemistry-based science to medical use. The biochemical/biological/physical processes that occur in the human body in health and disease are explored. Such explorations include what has gone wrong in cancer, diabetes and Alzheimer's disease as well as body's response to infection. Students learn how medicines are discovered and how they work. Lecture: One Hour.
No Prerequisites

CHEM 301: Organic Chemistry I (3) (F;SS)
This is an interdisciplinary course offered in the Spring

Semester. The course will be offered in two parts. ***Research Process*** is designed to train students in (a) experimental design, (b) procedures for data analysis and interpretation, (c) scientific literature using web-based and library searches, (d) analytical methods with particular emphasis on biomedical science methodologies and (e) effective strategies for poster and oral presentations. Students will prepare a term paper for oral/poster presentation in front of their classmates and invited audience as part of the overall evaluation for the class. ***Responsible Conduct in Research:*** Scientific integrity and ethical conduct of research are fundamental to the development of a successful research career. This portion of the course will address this issue using "On Being A Scientist, Responsible Conduct in Research" (RCR) as a resource. Major topics will include: conflict of interest, responsible authorship, and ECSU policies for handling scientific misconduct, human subjects, animal studies, data management and data sharing. At the end of the course, each student will make an oral presentation on a case study on any one of http://www.citiprogram.org the following: Conflict of Interest, Scientific Misconduct, Conflict of Interest, Intellectual Property, and Responsible Authorship, as gleaned from literature, in a seminar-type class setting held at the end of semester. Participants are required by the ECSU IRB to take the CITI Human Subjects and RCR courses provided on-line. (http://www.citiprogram.org/).
No Prerequisites required

***CHEM 250: Introduction to Medical Technology (2) (S)**
Medical Technology is clinical laboratory science related to the prevention, diagnosis and therapy of disease. The course is designed to give the student a basic overview of the profession of medical technology and an appreciation of how the medical technologist contributes, as a member of the allied health team, to quality patient care. Some of the topics that will be explored in this course include: Medical Technology educational requirements, certification, the role of accrediting agencies, responsibilities of the medical technologists and how they relate to other health professions and the patient, employment opportunities, and professionalism. A practicing medical technologist will teach the course. Lecture: two hours per week.
Prerequisite: CHEM 102, BIOL 102 or Permission from Course Coordinator.

***CHEM 251: Introduction to Dentistry (3) (F)**
This course is designed to give a student an understanding of dentistry and dental hygiene as professions and to develop some basic skills in these professions. The course will give students basic knowledge in dental anatomy, tooth morphology and dentistry as a career. Laboratory experience will include rotations in dental offices in the city to acquire on-site experience in the life of a dentist. The students will make dental impressions that will be evaluated by a practicing dentist. This course will be taught by local dentists but coordinated in the Department of Chemistry and Physics. Lecture: three hours per week.
Prerequisite: CHEM 102/102L and BIOL 102/102L.

***CHEM 252: Introductory to Occupational Therapy (3) (F)**
The Department of Chemistry and Physics offers an introductory course for students interested in the field of occupational therapy. Taught by a licensed and practicing occupational therapist, the course explores the philosophy and practice of occupational therapy helping (1) people with disabilities regain independence and (2) injured people get back to work). They will have an opportunity to observe an occupational therapist at work. ECSU does not award a degree in occupational therapy. However, with a concentration in Occupational Therapy at ECSU a student is able to satisfy prerequisite coursework for acceptance into Master's degree in Occupational Therapy School at UNC Chapel Hill or East Carolina University. Lecture: three hours per week.
Prerequisite: CHEM 102 and BIOL 102.

***CHEM 253: Introduction to Physical Therapy (3) (S)**
The course explores the profession of physical therapy. This course provides an explanation of the philosophy and history of the physical therapy profession and its relationship to other health care agencies and providers. The course will cover examination, evaluation and intervention aspects of physical therapy practice. Emphasis will be on history taking, systems review, and functional examination as intervention as well as documentation. An exciting component of the course is making visits to local physical therapy facilities. It will enable the students to get a better understanding of the various settings in which physical therapists work. The course will be taught by a practicing physical therapist. Lecture: three hours per week.
Prerequisite: CHEM 102 and BIOL 102.

CHEM 301: Organic Chemistry I (3) (F;S;SS)
Thorough coverage of nomenclature, preparation, properties, and synthesis of carbon compounds, particularly aliphatic and alicyclic hydrocarbons. Special emphasis is given to mechanism and stereochemistry as it relates to organic reactions. Lecture: three hours per week.
Prerequisite: CHEM 102/L; Corequisite: CHEM 301L

CHEM 301L:Organic Chemistry I Lab (F;S;SS)
Experimental techniques covering preparation, separation, and identification of organic compounds. Three hours of laboratory per week.
Prerequisite: CHEM 301L; Corequisite: CHEM 302L.

CHEM 302: Organic Chemistry I (3)(F;S;SS)
A continuation of CHEM 301. Includes chemistry of aromatic compounds, alcohols, phenol, ethers, aldehydes, ketones, and carboxylic acids including their major reactions, functionality and reaction mechanism. Also included are topics of physical methods of organic structure determination. Lecture: three hours per week.
Prerequisite: CHEM 301/L; Corequisite: CHEM 302L.

CHEM 302L: Organic Chemistry II Lab (1) (F;S;SS)
Experimental methods of preparation, synthesis, and identification of organic compounds. Laboratory: three hours per week.
Prerequisite: CHEM 302.

CHEM 395: Introduction to Neurochemistry (3) (F)
An interdisciplinary course investigating 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

CHEM 401: Biochemistry: (3) (F;S)
An introductory biochemistry course which includes chemistry and biochemistry of carbohydrates, proteins, fats, enzymes, and provides introduction of intermediary metabolism. Lecture: three hours per week.
Prerequisite: CHEM 301/L; Corequisite: CHEM 401L

CHEM 401L: Biochemistry Lab (1) (F;S)
Laboratory experiments involve basic techniques of biochemistry. Laboratory: three hours per week.
Corequisite: CHEM 401.

CHEM 402: Biochemistry II (3) (F;S)
This is a continuation of Biochemistry 401. The course continues the exploration of intermediary metabolism to include amino acid degradation and biosynthesis, discussion of in-born errors of metabolism in such diseases as phenylketonuria and albinism. Lipid and cholesterol metabolism will be discussed with emphasis on the biochemistry of obesity, atherosclerosis, good and bad cholesterol and cardiovascular diseases. The molecular basis of life will be discussed on both the biochemistry and molecular biology basis. The biochemistry of cancer chemotherapy is covered in this course. A discussion of the integration of metabolism consolidates both sections of Biochemistry into amazing chemical/molecular biological phenomena that constitute the chemistry of life in health and disease. Lecture: three hours per week.
Prerequisite: CHEM 401/401L

CHEM 402L: Biochemistry II Lab (1) (F;S)
Biochemical methods and basic proteomics will be utilized to provide students with lab experience in Biochemistry. Laboratory: three hours per week.
Corequisite: CHEM 402

CHEM 403: Physical Chemistry I (3) (F;S)
Introductory course to give the students an overview of the basic laws and theories of Physical Chemistry. Thermodynamics and quantum theory will be covered in the first semester. Lecture: three hours per week.
Prerequisites:CHEM 200; MATH 158; PHYS 181L or 192; Corequisite: CHEM 403L

CHEM 403L: Physical Chemistry I Lab (1) (F;S)
The experiments are designed to emphasize keener development in techniques of Physical Chemistry. Laboratory: three hours per week.
Corequisite: CHEM 403.

CHEM 404: Physical Chemistry II (3)(S)
This course extends CHEM 403 to cover the other important aspects of physical chemistry, namely, statistical mechanics and chemical dynamics. Lecture: three hours per week.
Prerequisite: CHEM 403L:Corequisite: CHEM 404L.

CHEM 404L: Physical Chemistry II Lab (1) (S)
Laboratory experiments are designed to reinforce the concepts covered in CHEM 404. Laboratory: three hours per week.
Corequisite: CHEM 404

CHEM 405: Instrumental Methods of Chemical Analysis (2) (S)
Use of modern instruments for chemical analysis involving spectrophotometric, electroanalytical, and chromatographic techniques. Two hours of lecture per week.
Prerequisite: PHYS 181L or 182L or consent of Instructor/Department Chairperson. Corequisite: CHEM 405L

CHEM 405L: Instrumental Methods of Chemical Analysis Laboratory (2) (S)
Laboratory experiments involving modern instruments of spectrophotometric, electrochemical, and chromatographic techniques. This course must be taken along with CHEM 405. Six hours of laboratory per week. Corequisite: CHEM 405.

CHEM 415: Advanced Inorganic Chemistry (4) (F;S)
Thorough and modern treatment of atomic structure of

elements, nature of chemical bond, modern acid base theory in aqueous and non-aqueous solvents, complex ions, catalysis, nuclear chemistry, tracer studies, and colloids. Laboratory experiments emphasize keener development in techniques of synthesis and analysis of pure inorganic substance. Lecture: three hours; laboratory: three hours.
Prerequisites: CHEM 202,205,302, 302L, 403, 403L.

CHEM 425: Advances Organic Chemistry (4) (F;S)
Advances topics in Organic Chemistry with particular emphasis on structure, reaction mechanisms and structure, and reaction mechanisms, and stereochemistry. 3 hours of lecture per week.
Prerequisite: CHEM 302/302L

CHEM 430: Introduction to Medicinal Chemistry (3) (F)
This introductory medicinal chemistry course provides (1) a basic chemical understanding of life processes and biological control (2) a chemical basis for the rational design, synthesis, and mechanism of action of drugs, and selective metabolic inhibition; and (3) an appreciation of medicinal chemistry and the chemical aspects of pharmacology. As an interdisciplinary research area, Medicinal Chemistry incorporates synthetic organic chemistry, biochemistry, pharmacology, molecular biology and pharmaceutical chemistry in the search for better drugs. The effective treatment of patients with various diseases such as diabetes, hypertension, strokes, asthma and cancer depends, to a great extent, on the ability of medicinal chemists to discover new drugs.

CHEM 435: Special Topics In Physical Chemistry (3) (F)
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 404/404L, MATH 257; PHYS 182/182L.

CHEM 450: Chemistry: An Integrated Approach (3) (F;S)
The course is an integration of the traditional chemical sub-disciplines of general, inorganic, physical, and analytical chemistry and biochemistry, and challenging students to bring their perspectives to bear on contemporary chemical/biochemical problems and literature. It combines faculty lectures and student-led seminars in a single semester. The course is designed to provide an excellent conclusion to a rigorous chemical education in which both faculty and students contribute intellectually. All majors are required to take this exciting capstone course in which they review what they know as they contemplate pursuing graduate/professional education or enter the work force. Lecture: Two hours per week; Seminar: One hour per week.
Prerequisite: Senior Standing

CHEM 499: Chemical Research (1-3) (F;S)
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.

*Selected topics in Pre-professional concentrations

Communications Studies Course Descriptions

See Course Listings under Mass Communications.

Computer Science Course Descriptions

CSC 111: Introduction To Computing (3) (F;S;SS)
Introduction to the concepts of computing , both hardware and software, using the computer to solve professional problems, development of computing skills to process documents, to develop spreadsheets and graphs, and to use a database management tool.
Not for majors in the School of Mathematics, Science and Technology.
Prerequisite: None.

CSC 115: Computer Science I (3) (F;S; SS)
An overview of computer science and an introduction to programming. The course is taught in high level programming language, and the topics covered are data types, expression, assignment, selection, repetition, and function. Students are required to do programming projects.
Prerequisite: GE 115 or Consent of Instructor.

CSC 160: Computer Science Majors Orientation Seminar (1) (F;S)
Enrichment programming laboratory exercises from the CSC 115 Computer Science I course.
Prerequisite: CSC 115

CSC 200: Computer Hardware Essentials (3) (F; S)
This course presents an in-depth exposure to Personal Computer hardware. Students learn the functionality of hardware components as well as suggested best practices in maintenance and safety issues. Through hands-on activities and labs, students learn how to assemble and configure a computer, and troubleshoot computer hardware problems.
Prerequisites: Sophomore academic standing or consent of instructor.

CSC 215: Computer Science II (3) (F;S)
A second course in computer science for Computer Science majors/minors as well as Science and Math majors. Topics include arrays, pointers and references, classes, composition and inheritance, user-defined structures, text processing, and file I/O with emphasis in modular programming and structured programming. The

course is taught using the same high level programming language as CSC 115. Programming projects are expected.
Prerequisite: CSC 115, Co-requisite: CSC 160 or permission of instructor.

CSC 218: Data Structures (3) (F;S)
Fundamental Constructs; Algorithmic Problem Solving; Data Structures; Recursion, Event Driven Programming; Object Oriented Foundations; Information Security; and Secure Programming.
Prerequisite: CSC 215.

CSC 230: Modern Programming Applications (3) (F,S)
The course will introduce the students to one or more new programming languages in which the implementation of a number of programs/applications will be required in each language
Prerequisite: CSC 115.

CSC 240: Modern Computing Protocols (3) (F;S)
Students are introduced to the use and application of state-of-the-art software packages used in modern management information systems for business application and networking such as Oracle, Cisco, MCSE, A++, etc.
Prerequisite: CSC 115.

CSC 300: Introduction to Mobile Robotics (3) (S)
Design, construction, and programming of mobile robots. Topics include computational hardware, sensors, motots, power, locomotion, kinematics, perception, and localization.
Prerequisites: CSC 218.

CSC 314: Computer Architecture and Organization (3) (F;S)
Digital Logic and Data representation; Computer Architecture and Organization; Interfacing and I/O Strategies; Memory Architecture; Functional Organization; Multiprocessing; Performance Enhancements; Distributed Architectures; Devices; and Directions in Computing.
Prerequisite: CSC 215, MATH 262.

CSC 315: Programming Languages and Human-Computer Interaction (3) (F;S)
Programming Languages Overview; Virtual Machines; Basic Language Translation; Declarations and Types; Abstraction Mechanisms; Object Oriented Programming; Functional Programming; Type Systems; Programming Language Semantics, Human-Computer Interaction Foundations; and Building GUI Interfaces.
Prerequisite: CSC 218.

CSC 325: Database and Intelligent Systems (3) (F;S)
Information Models; Database Systems; Data Modeling; Indexing; Relational Databases; Query Languages; Relational Database Design, Transaction Processing, Disturbed Databases; Physical Database Design; Data Mining, Information Storage and Rettieval, Hypetmedia, Multimedia Systems; Intelligent Systems Fundamental Issues; Basic Search Strategies; and Knowledge Based Reasoning.
Prerequisite: CSC 218.

CSC 360: Junior Seminar in Computer Science (1) (S)
History of Computing; Social Context; Analytical Tools; Professional Ethics; Risks; Security Operations; Intellectual Property; Privacy and Civil Liberties.
Prerequisite: CSC 218

CSC 409: Artificial Intelligence (3) (S)
An inttoduction 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: CSC 315.

CSC 410: Net-Centric Computing (3) (F)
Introduction to Networks; Network Communication; Network Security; Web Organization; Networked Applications; Network Management; Compression; Multimedia Technologies; and Mobile Computing.
Prerequisite: CSC 314.

CSC 412: Software Engineering (3) (F)
Software Design; Using APIs; Tools and Environments; Software Processes; Requirements Specifications; Software Verification and Validation; Software Evolution; Software Project Management; Component Based Computing; Fotmal Methods; Software Reliability; Specialized Systems; Risk Assessment; Robust and Security-Enhanced Programming.
Prerequisite: CSC 218.

CSC 413: System Analysis and Design (3) (S)
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, metrics. Students will produce a term project that consists of a medium/large design effort.
Prerequisite: CSC 412.

CSC 415: Computer Graphics (3) (F)
Fundamental Techniques; Graphic Systems; Graphic Communication; Geometric Modeling; Basic Rendering; Advanced Rendering; Advanced Techniques; Computer Animation; Visualization; Virtual Reality; Computer Vision; Computarional Geometry; and Game Engine Programming.
Prerequisites: CSC 218, MATH 351.

CSC 420: Operating Systems (3) (F)
Overview of Operating Systems; Operating Systems Principles; Concurrency; Scheduling and Dispatch; Memory Management; Device Management; Security and Protection; File Systems; Real Time and Embedded Systems; Fault Tolerance; System Performance Evaluation; Scripting; Security Models; and Introduction to the Unix Operating System.
Prerequisite: CSC 218.

CSC 421: Topics In Computer Science (3) (Upon Request)
Topics of current interest in Computer Science that would aid in the development of student's growth and development as a Computer Specialist.
Prerequisites: Consent of Instructor and junior or senior classification.

CSC 430: Undergraduate Research in Computer Science (3) (Upon Request)
Directed study in an existing area of computer science resulting in a research project.
Prerequisite: Consent of Instructor and Junior or Senior classification.

CSC 451: Numerical and Symbolic Computing (3) (S)
Solving mathematical and symbolic problems. Numerical algorithms fundamental to scientific computing; error analysis and nonlinear equations; linear systems and numerical interpolation and extrapolation; iterative methods of systems of equations and solution of differential equations, and fundamental algorithms (e.g., matrix calculations, Taylor series).
Prerequisites: MATH 351 and either CSC 215 or CSC 230.

CSC 452: Internship (3-6) (F;S;SS)
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.

CSC 460: Senior Seminar in Computer Science (1) (F)
Review of senior-level computer science topics, culminating in an exit test.
Prerequisite: Senior status or consent of Instructor.

Criminal Justice Course Descriptions

CJ 201: Introduction to Criminal Justice (3) (F;S)
An introduction to the administration of criminal justice in a democratic society through its primary agencies: police, courts and corrections. Emphasis is on the theoretical and historical development of law enforcement through the influences of human behavior and the resulting impact on social, economic and environmental factors.
No Prerequisite.

CJ 202: Community Corrections (3) (F or S)
Development, organization and operation of systems of probation and parole and other alternatives to incarceration and method of selection.
No Prerequisite.

CJ 203: Criminal Justice Ethics (3) (F or S)
Overview of the major philosophical schools of ethics and application of ethical systems and standards to decision making by professionals working in every part of the criminal justice system.
No Prerequisite.

CJ 204: Institutional Corrections (3) (F; S)
Examination and development of managerial concepts of correctional institutions and study of rehabilitation programs at state and federal levels. *No Prerequisite.*

CJ 205: Law of Criminal Corrections (3) (F or S)
Deals with the substantive law of use of force, visitation rights, regulation of mail, confinement, parole, treatment, medical aid, and prison life. Outlines the remedies available to a successful plaintiff or the liabilities to which an unsuccessful plaintiff may be subjected. *No Prerequisite.*

CJ 206: Police in American Society (3) (F; S)
No Prerequisite. Examines the role of 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.

CJ 208: Drugs, Alcohol, and Crime (3) (F or S)
This course is designed to explore 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. *No Prerequisite.*

CJ 209: The Poor, Minorities and Justice (3) (F or S)
Critical examination of the treatment of minorities and the poor by the criminal justice system. Focuses on the sources of tension between minorities and the poor and personnel in the criminal justice system. *No Prerequisite.*

CJ 210: Juvenile Justice System (3) (F;S)
Concerned with procedural and substantive aspects of the juvenile justice system as it relates to intake, hearings, corrections and rehabilitation programs. *No Prerequisite.*

CJ 216: Foundations of Criminal Justice Scholarship (3) (F or S)
Develops rudimentary tools needed for conducting research and for writing reports and scholarly papers in the field of criminal justice. Explores approaches to writing a research paper, report writing, forms of documentation, library resources, data sources, presentation techniques, legal research and computer usage. *No Prerequisite.*

CJ 217: Violent Crime (3) (F;S)
Research studies dealing with control of these issues: discussion of terrorism, homicide, gangs, serial crimes of violence, interpersonal violence and sexual assault. Emphasis on crimes involving weapon use. *No Prerequisite.*

CJ 301: White Collar Crime (3) (F or S)
Surveys the history and scope of the study of white collar crime. The course discusses issues of definition, examines empirical evidence, and reviews the contributions of white collar crime studies.

CJ 310: American Constitution Law (3) (F;S)
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 people. Historical background of major federal court decisions is also analyzed.
Prerequisite: CJ 201 or permission of department chair

CJ 311: Criminal Law (3) (F; S)
This course is designed to present a basic concept of criminal law and create 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.
Prerequiste: CJ 201.

CJ 312: Criminal Evidence (3) (F or S)
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.

CJ 313: Research Methods in Criminal Justice (3) (S)
Provides 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 492.

CJ 314: Criminal Procedure (3) (F or S)
An in-depth survey of pre-trial and post-trial procedures. Applications of constitutional Principles also considered.
Prerequisite: CJ 201.

CJ 391: Criminology (3) (F;S)
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.

CJ 392: Statistics in Criminal Justice (3) (F)
Provides 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: GE 115.

CJ 400: Juvenile Delinquency (3) (F;S)
Conceptions and theories of juvenile delinquency, treatment of juvenile offenders and preventive programs.
Prerequisite: CJ 201.

CJ 406: Introduction to Jurisprudence (3) (F or S)
Study of the various schools and theories of jurisprudence; historical development of legal systems, legal reasoning, and juristic processes.
Prerequisite: CJ 201 or permission of department chair.

CJ 410: Prosecution and the Courts (3) (S)
Reviews the functions and practices of the prosecutor with special reference to an analysis of the interrelationships among charging, conviction, 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.

CJ 489: Problems and Practice in Criminal Justice (3) (F; S)
Evaluation of criminal justice agencies. Review of actual applied issues and research-based solutions. Deployment of intellectual and academic skills to problem solutions.
Prerequisite: CJ 201 and 100 credit hours.

CJ 492: Public Policy in Criminal Justice (3) (F;S)
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.

CJ 496: Comparative Criminal Justice (3) (F or S)
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.

CJ 498: Directed Study in Criminal Justice (3) (F or S)
Independent reading and research in Criminal Justice. Papers and oral reports as appropriate.
Prerequisites: Senior status and approval of Department Chairperson.

CJ 499: Criminal Justice Internship (6) (F;S;SS)
Internship designed to combine theoretical knowledge with practical work by allowing students to participate in Criminal Justice agencies in the field. In addition, students must complete 200 hours and a research paper on some aspect of the agency.
Prerequisites: One hundred hours of course work towards the Criminal Justice degree. Application must be filed the

semester before the internship begins. (Any student that has one year of full-time work experience from a criminal justice agency approved by the department chairperson may waive this requirement and take two 400 level criminal justice courses).

Economics Course Descriptions

ECON 201: Principles of Economics I (3) (F, S, SS)
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.*

ECON 201H: Principles of Economics I Honors (3) (F, S)
An introduction to macroeconomics including the economic system as a whole. Covers aggregate economic relationships and institutions, discusses and analyze 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: Honors program membership or Permission of Department Chairperson.

ECON 202: Principles of Economics II (3) (F,S,SS)
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 problem, market structures and the public interest, and international trade are discussed. *Prerequisite: ECON 201. Partially fulfills GE requirement in Social & Behavioral Sciences.*

ECON 260: Business/Economics Statistics (3) (F,S)
Statistical methods including measures of central tendency, and dispersion, sampling, probability and regression analysis.
Prerequisites: Business Administration, Accounting, or Physical Education. ECON 201 and GE 115, or permission of department chairperson.

ECON 318: Money, Credit, and Banking (3) (S)
Study of subject from 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.
Prerequisites: Business Administration Major, ECON 201, and ECON 202, or permission of department chairperson.

ECON 376: Public Finance (3) (F, S)
Public expenditures, federal and state revenue systems, financial administration, budgeting and public debt management.
Prerequisites: Business major, ECON 201, and ECON 202, or permission of department chairperson.

ECON 398: Special Topics in Economics (3) (F,S,SS)
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.
Prerequisites: Business Administration major, junior standing and permission of the instructor.

ECON 455: International Economics (3) (S)
Analysis of flow of goods and services between countries and financial aspects of international trade. Includes benefits from trade, restraint of trade, terms of trade, financial trade, and the balance of payments analysis.
Prerequisites: Business Administration major, senior standing, MNGT 221, MRKT 231 and BFIN 311, or permission of department chairperson.

ECON 470: Microeconomic Analysis (3) (F)
Development of methods in economic analysis and application of these methods to problems of price and production under conditions of competition, monopoly, monopolistic or imperfect competition, and oligopoly.
Prerequisites: Business Administration major, ECON 201, and ECON 202, or permission of department chairperson.

ECON 480: Macroeconomics Analysis (3) (S)
Study of determinant of income, employment, and interest rates with emphasis on government policy to stabilize economic conditions.
Prerequisites: Business Administration major, ECON 201, and ECON 202, or permission of department chairperson.

Education Course Descriptions

EDUC 190: Pre-Professional Studies I: Preparation (2) (F;S;SS)
This course is designed to assist students as they prepare to enter the Teacher Education program. Upon completion of this course, students will understand the requirements of the teacher education program and will develop the beginning skills necessary to be successful in the program.

EDUC 200: Pre-Professional Studies II: Advanced Preparation (2) (F;S;SS)
This course is designed to meet the needs of those students wishing to become teacher education candidates who require additional support as they prepare to enter the profession. Upon completion, students will have the beginning skills necessary to be successful in the teacher education program.

EDUC 201: Foundations of Education (3) (F;S)
A survey of the historical, philosophical, sociological, psychological, and curricular aspects of American education. It is through a study of the foundations of American education that the school's role in society and its responsibility to help solve our nation's social problems

are made clear to students. Thus, students develop an understanding of the structure and mission of present-day schools. They also learn to appreciate the historical significance of education and begin to formulate their own understanding of the professional aspects of teaching. This will enable them to make sound decisions relative to the delivery of instruction. Emphasis is upon teaching as a profession. Use of technology is required for investigation and presentation. Twenty-five hours of field experience is required for licensure-only candidates.

EDUC 202: Music and Art in the Classroom (2) (F;S)
Designed to acquaint the student with techniques and strategies in art and music and how to integrate arts instruction with other areas. Emphasizes making decisions about adapting these skills to the individual needs of students.

EDUC 203: Introduction to Computer Instructional Technology (3) (F;S)
This course is designed to provide preservice teachers with an introduction to the instructional use of technology. Emphasis is placed on current computer competencies as set forth by the North Carolina Department of Public Instruction and standards of the International Society for Technology in Education.

EDUC 210: Professional Studies I: Introduction to Education (3) (F;S;SS)
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. Students will understand the required Evidences of Professional Competency. Students also will understand the social, historical, and philosophical foundations of education. Required: criminal background check and 15-hour field experience.

EDUC 225: Exploration in Mathematics (3) (F;S;SS)
This hands-on course will develop in-depth conceptual understanding of the underlying principals of elementary mathematics. Students will create hands-on learning mathematical materials appropriate to various developmental levels of learning.

EDUC 250: Introduction to Reading (F;S;SS)
This foundational reading course is designed to provide students with an overview of the scientifically-validated processes involved in the teaching of reading, including alphabet fluency, and comprehension. Upon the completion of this course, 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.

EDUC 291/292/293: Independent Study (1; 2; 3)
Individual study or research under direction of a faculty member. Study plan must be approved by the department chair and dean.
Pre-requisite: Consent of instructor.

EDUC 300: Assessing & Teaching Beginning Reading (3) (F)
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.
Co-requisite: SPED 301 Reading Practicum

EDUC 301: Reading Practicum (2) (F)
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.
Co-requisite: SPED 301 Reading Practicum

EDUC 310: Professional Studies II: Special Education & Diverse Learners (3) (F;S;SS)
This introductory course emphasizes special education law, identification, placement, procedures and program evaluation accountability. The course is designed to provide an overview of special education and to give students the knowledge and skills necessary to facilitate effectively in the P12 student referral process, interpret educational assessments and psychological reports, implement the objectives of the IEP, advocate for appropriate services with students with learning disabilities and to understand the need for continuous professional development.

EDUC 349: Classroom Management Techniques (3) (F;S)
This course is a study in the key areas of creating a well-managed classroom. These areas include making decisions (proactive) before the year begins, implementing the plan, and maintaining and revising management procedures throughout the year. Students will review different management styles and models and decide which are compatible with their personality traits. Classroom observation required.
Prerequisite: EDUC 201.

EDUC 350: Teaching Intermediate & Content Reading (2) (F;S;SS)
This course will address the requirements of reading across a wide range of texts, including content reading. Upon the completion of this course, candidates will be able to articulate and implement a variety of scientifically-validated instructional strategies for comprehension, vocabulary development, and decoding. Candidates will investigate ways to motivate and engage the 21st century student using the multiple intelligences and will utilize technology to support 21st century literacy skills and strategies.

EDUC 360: Topics in Reading (3)
This elective course will provide candidates with the opportunity to explore current reading research literature and will assist candidates as they develop additional

knowledge and skills in the teaching of reading to diverse learners.
Prerequisites: Admission to the Teacher Education Program; EDUC 350.

EDUC 400: Senior Seminar for Education Majors (P/F) (F;S)
Review course designed for the prospective teacher preparing for the Specialty Area PRAXIS series. Emphasis is given to specific professional competencies, test-taking skills, and use of appropriate computer applications.
Prerequisites: EDUC 201; PSY 302 and 309; READ 310, 320; Methods; Admission to Teacher Education.

EDUC 410: Professional Studies IV: Instructional Leadership and Methods (3) (F;S)
Upon completion of this course, candidates will demonstrate skill in a variety of instructional methods and team collaboration. Candidates will work collaboratively with peers and 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 plan to take this course during the semester prior to student teaching. A criminal background check and a 45-hour field experience/internship are required. Admission to the Teacher Education Program is a prerequisite.

EDUC 412: The Middle School: Methods, Materials and Observation (3) (F)
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 are all covered; selection and use of instruments for evaluating achievement and measuring growth are covered. Study of traditional and new techniques and innovations, including unit planning, team teaching, non-graded arrangements, and appropriate computer applicarions. Directed laboratory experiences in public schools. Classroom observation required.
Prerequisites: PSY 302, 309; Admission to the Teacher Education Program.

EDUC 413: Instructional Methods in the Elementary Curriculum (K–6) (3) (F;S)
This is an integrated merhods course designed to meet the developmental needs of children in the various subject areas found in the elementary school curriculum (K-6). It includes discussion of current research and practice relative to teaching/learning objectives, planning, Principles, instruction, classroom techniques and procedures and selection and use of instruments for evaluating achievement and measuring growth. Students develop decision-making skills through actual involvement in planned demonstration lessons using traditional and new techniques and innovations, including computer applications. Directed laboratory experience in public schools is required.
Prerequisite: Admission to Teacher Education.

EDUC 424: Art Education Materials and Methods (3) (F)
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.
Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 428: Music Methods in the Elementary School (3) (F;S)
Methods course designed for elementary school level (K-6). Music education theories of learning and development that includes: methods, materials, assessment, curricula, philosophy, lesson, planning, advocacy, strategies teaching reading, and techniques for teaching music. Introduction of classroom instruments, recorder, guitar, and computer literacy. Classroom observation required.
Prerequisites: Consent of Departmental Chairperson; admission to Teacher Education

EDUC 429: Music Methods in the Secondary School (3) (F;S)
Methods course designed for the secondary school level. Music education theories of learning and development that includes: methods, materials, curricula, philosophy, lesson planning, strategies, assessment, financial management, and techniques for teaching music. Introduction of classroom instruments, recorder, guitar, and computer literacy. Classroom observation required.
Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 430: Secondary Instructional Methods (9–12) (3) (F;S)
An integrated approach emphasizing those competencies related to teaching at the secondary level regardless of content area(s). The course will include modules such as computer application, school law, audiovisual aids, voice and diction, and lesson planning; and culminate with a major teaching presentation. Classroom observation required.
Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 431: Teaching Mathematics in the Elementary School (3) (F;S)
Provides a concentration review of basic mathematics, mathematical concepts, and algorithms applicable to the elementary grades (K–6). Emphasis will be placed on content to be taught students, laboratory experiences, lesson planning, and inquiry teaching. Further emphasis will be given to the appropriate use of manipulative and activity-oriented lessons, cooperative learning, verbalizing mathematics, teaching problem-solving techniques, the evaluation of student performance, and computer applicarion. This course is a part of the Professional Studies sequence for all Teacher Education candidates in Elementary Education and is usually taken during the senior year. Directed field experience required.
Prerequisite: Admission to Teacher Education.

EDUC 433: Observation and Supervised Teaching in Elementary Education (K–6) (12) (F;S)
This is a complete practicum experience. Students are given the opportunity to 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.
Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

***EDUC 434: Teaching Science in the Elementary School (3) (F;S)**
A critical analysis of the content and teaching strategies in the biological, physical, environmental, and earth sciences applicable to the elementary grades (K–6). The course will involve the student in the design of activities and demonstrations helpful in explaining scientific Principles. Emphasis will be on hands-on projects, laboratory experiences, inquiry teaching, problem-solving techniques, lesson planning, and computer applications that develop a healthy interest in science in children in grades K–6. This course is also a part of the Professional Studies sequence for all teacher education candidates in Elementary Education and is usually taken during the senior year. Directed field experience required.
Prerequisite: Admission to Teacher Education.

***EDUC 436: Teaching Social Studies in the Elementary School (3) (F;S)**
This course is designed for prospective teachers who will teach social studies (grades K–6). It focuses on the practical and theoretical issues encountered in the teaching of Social Studies. It includes a close scrutiny of the nature of the Social Studies Curriculum as well as the applications of educational theory to practical teaching (grades K–6). Use of computers and appropriate software will be included. There will be a balance of readings, class discussions, lectures, demonstration lessons, and projects. The place of Social Studies in the elementary curriculum is examined. Objectives, instructional procedures, materials, and evaluation criteria are emphasized.
*This course is a part of the Professional Studies sequence for all Teacher Education candidates in Elementary Education and is usually taken during the senior year. Directed field experience required.
Prerequisite: Admission to Teacher Education.

EDUC 437: Observation and Supervised Teaching in the Middle School (6–9) (6) (F;S)
Complete practicum experience, giving students opportunity to teach under supervision in actual classroom situations in the middle grades in a public school system.
Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 440: Methods and Materials of Teaching Physical Education (3) (F;S)
Prerequisite to student teaching in physical education; all students to pass this course with a minimum average of "C." The course objective is to provide the student with an understanding of the methods and techniques necessary to effectively teach physical education. Classroom observation required.
Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 443: Observation and Supervised Teaching in Music (6) (F;S)
Complete practicum experience which gives the student the opportunity to teach, under supervision, in actual classroom situations in a public school system.
Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 460: Professional Studies V: Electronic Evidences (3) (F;S;M)
In this course, candidates will 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 completing this course, candidates will submit electronically their Evidences of Professional Competency.
Prerequisites: Admission to Teacher Education; permission of program coordinator and/or advisor

EDUC 464: Observation and Supervised Teaching in Mathematics (6) (F;S)
Complete practicum 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 are designed to include: 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.
Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 466: Observation and Supervised Teaching in Social Sciences (6) (F;S)
Complete practicum experience giving students opportunity to teach under supervision in actual classroom situations in a public school system.
Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 467: Observation and Supervised Teaching in Language Arts/English (6) (F;S)
Complete practicum experience giving secondary education majors the opportunity to teach Language Arts/English in actual classroom situations, under supervision, in a public school system.
Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 468: Teaching Methods for Students in the Inclusive Classroom (4) (F;S)
This course is designed to address a broad range of research-validated learning and instructional strategies. The course examines discussions of research-validated, peer tutoring approaches to instruction, implementation, evaluation and small and large group instruction. Self-determination, advocacy, and effective communication are also essential elements of the course. The course emphasizes the preparation and development of lesson plans, ability to assess, implement and monitor student use of technology throughout the curriculum, and ability to communicate effectively with the various state holders.
Prerequisites: Consent of Advisor; Admission to Teacher Education. Co-requisite: SPED 449 Practicum III.

EDUC 469: Observation and Supervised Teaching in Art (6) (F;S)
Complete practicum experience which gives the student the opportunity to teach, under supervision, in actual classroom situations in a public school system.
Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 470: Observation and Supervised Teaching in Physical Education and Health (K–12) (6) (F;S)
Practicum experience in teaching under supervision and guidance of personnel certified in Mental Retardation or 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.
Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 473: Observation and Supervised Teaching in Special Education/Mental Retardation/Learning Disabilities (K–12) (6) (F;S)
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 is provided an opportunity to take full teaching responsibility with daily evaluation and conferences.
Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 474: Observation and Supervised Teaching in Physical Sciences (6) (F;S)
Complete practicum experience giving students the opportunity to teach, under supervision, in actual classroom situations in a public school system.
Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 476: Observation and Supervised Teaching in Biology (6) (F;S)
Complete practicum experience giving students the opportunity to teach, under supervision, in actual classroom situations in a public school system.
Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 478: Seminar in Contemporary Educational Issues (P/F) (F;S)
This course is designed to provide 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 will assist the student teacher in refining reflective decision-making in the transition from student to professional educator. In addition, this course will focus on identified areas needing reinforcement prior to student teaching such as planning, classroom management, multicultural education, and computer-assisted instruction.
Prerequisites: Senior status; Admission to Teacher Education.

EDUC 479: Multicultural Education (3) (F;S;SS)
This course is designed to provide prospective classroom teachers with background, knowledge and insights, and social foundations of education in a pluralistic society including pertinent information regarding legal and ethical aspects of teaching. In addition, this course will help teacher education students develop positive attitudes toward their own culture and the culture of others. It will also help students gain an understanding of and appreciation for different learning styles as they make decisions about instruction.
Prerequisites: EDUC 201; Teacher Education majors who have completed all of their professional education sequences except Methods and Student Teaching; Admission to Teacher Education.

EDUC 490: Internship: Teacher Preparation (3) (F;S;SS)
Designed for the "non-traditional" student with documented evidence of successful classroom experience in the area and level certification is being sought.
Prerequisites: Consent of Chairperson; Admission to Teacher Education.

EDUC 491/492/493: Independent Study (1; 2; 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) (F;S;SS)
Designed to develop awareness of and reflection on current problems, issues, and trends in education, especially American education. Students are required to 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.

Birth - Kindergarten Course Descriptions

BKED 201: Introduction to Birth-Kindergarten (1)
This course presents an overview of the field of early care and education. Emphasis is on the elements of high-quality programs, governing standards and regulations, and historical perspectives. The course will also focus on career options in the field of birth through kindergarten education.

BKED 222: Special Needs Field Study (1) (S)
This first supervised field experience is intended to allow the pre-service candidate to begin understanding the dynamics of early childhood and infant toddler development. Directed observations are required in Inclusive strategies and intervention for preschoolers, by working with preschoolers in community-based and school-based preschool settings/programs. Candidates observe professionals such as preschool special education teachers, Head Start teachers, therapists and other support personnel. This is requirement for all BK Majors.

BKED 301: 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. Directed field experiences with children ages birth to two will help students to begin to understand the dynamics of early childhood environments and infant/toddler development.

BKED 302: 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. Directed field experiences with children ages three to five will help students to begin to understand the dynamics of early childhood environments serving preschool and kindergarten children.

BKED 305: Early Childhood Literacy Development (3) (F)
This course emphasizes the process of developmental literacy skills in children ages birth to kindergarten. The course is an in-depth experience providing studenrs with the opportunity to recognize and describe the developmental stages in literacy acquisition. Participants will be provided opportunities to identify factors that influence early literacy development (readiness, family, medical) as well as design a literacy program. Students will 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 will be required to present a professional development session (including session portfolio) for a selected audience.
Prerequisite: Admission to Teacher Education Program.

BKED 325: Infant and Toddler Curriculum and Development (3) (F)
This course emphasizes the curriculum development and assessment from birth to kindergarten. The purpose of this course is to introduce students to the important frameworks for planning, implementing, and evaluating curriculum as it affects development and the various subject-matter disciplines. Significant details is 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.
Prerequisite(s): Admission to Teacher Education; an approved application from the Office of Student Services. (All material must be complete and on file) Course must be taken concurrently with BKED 326.

BKED 326: Infant and Toddler Field Study (1) (F)
This course is designed to provide work and learning experience in the field of early childhood education. Individual field experience is developed with, University Lab School, community agencies and institutions. Candidates are required to analyze curriculum, develop modules and present a class session relating to best and appropriate practices in teaching. The student must interview early childhood service providers in three different settings.
Prerequisites: Admission to Teacher Education; an approved application from the Office of Student Services (All material must be complete and on file.) Must be taken concurrently with BKED 325.

BKED 330: Educational Assessment of Infants, Toddlers & Preschools (3) (S)
This course is designed to address 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) classrooms. 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.
Prerequisites: Admission to Teacher Education ;an approved application form the Office of Student Services (all materials must be complete and on file.)

BKED 335: Communication and Collaboration in Schools and Communities (3)
This course is designed to promote the ability to communicate effectively in diverse school and community settings. Students will explore the relationship between culture and communication and understand the importance of collaboration in schools and communities to support optimal learning in children.
Prerequisites: Admission to Teacher Education; an approved application form the Office of Student Services (All materials must be complete and on file.)

BKED 340: Early Childhood Intervention (3)
This course provides an overview of screening and assessment, interdisciplinary family service planning, and intervention strategies for children ages birth-three. Students will 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)
This course 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) (F;S)
This course emphasizes the planning of an integrated curriculum for child from birth to kindergarten to include preschool classrooms with emphasis on science, social studies, creative activities and technology. Focuses on planning integrated curriculum for the working with parents and parent education emphasized. The course also explores the theoretical Principles of play-based curriculum, which includes typical and atypical infant and child learning, design and adaptation of environments to promote development and learning, positive guidance, and effective teacher roles. Students will learn how observation and analysis of children's play provide the foundation for curriculum development, which meets the needs of children with diverse backgrounds and abilities.
Prerequisites: Admission to Teacher Education; an approved application from the Office of Student Services (all materials must be complete and on file). Must be taken concurrently with BKED 421.

BKED 421: Preschool Field Study (1) (F;S)
This is a supervised field experience where candidates are placed are placed with individual mentor teachers or with teams of supervising teachers in approved clinical settings appropriate to the area of program concentration (birth to kindergarten). Placement priority is given to settings that serve culturally, linguistically, and socio-economically diverse student populations. Candidates are monitored and supported by university supervisors, and prepare and present a professional portfolio.
Prerequisites: Admission to Teacher Education; an approved application from the Office of Student Services (All materials must be complete and on file). Must be taken concurrently with BKED 420.

BKED 454: Inclusive Preschool Environments (3) (F;SS)
This course 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. Develop 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 will also examine 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.
Prerequisites: Admission to Teacher Education; an approved application from the Office of Student Services (all materials must be complete and on file).

BKED 455: Administration of Early Childhood Programs (3)
This course 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) (S)
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.
Prerequisites: Admission to Teacher Education; an approved application from the Office of Student Services (All materials must be complete and on file).

BKED 465: Community Agencies and Resources (3)
Students will explore 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)
This course introduces students to the kindergarten curriculum and standards for students in the public school setting. Twenty hours of field experiences are required.

BKED 480: BK Seminar (P/F) (F;S)
This pass/fail course is designed to help the student to analyze and evaluate his/her own student teaching experience and progress. Curriculum concerns of the school systems involved are addressed in terms of the teaching experience. Special attention is devoted to methodology unique to developmentally-appropriate curriculum using an integrated approach as well as to various subjects' areas, i.e., learning other languages, science, math, English, social studies, art, music and health. Planning, implementing, assessing and managing unique instructional methods and activities such as field trips, laboratories, workshops and other alternate learning sites are examined. This is taken concurrently with student teaching.

BKED 490: Student Teaching (12) (F;S)
BKED 490 is designed for Birth-K majors. This supervised field experience requires at least 14 weeks of student teaching. Student teachers are placed with individual mentor teachers or with teams for 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.
Prerequisites: Admission to Teacher Education; an approved application from the Office of Student Services (all material must be complete and on file.); Live Text must be completed.

BKED 491: Internship in Early Childhood (3)
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 (3)
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.

Reading Course Descriptions

READ 310: Elementary Reading and Language Arts Instruction (3) (F;S)
This is a professional course in elementary school reading instruction designed for teachers of grades K–6. It deals with aspects of theory and practice that are requisite to systematic, sequential instruction in reading, thinking, listening, and writing skills. It includes discussion and reflection on current
research and practice in such topics as (1) emergent literacy, (2) writing, (3) reading in the content areas (K–6), (4) teaching students with special needs, (5) classroom organization, (6) instructional techniques, and (7) popular approaches to teaching reading. The prospective teacher develops a knowledge base that facilitates decision-making skills needed to meet the individual differences of elementary school-children's developmental reading abilities. Hands-on computer application included. Classroom observation required.
Prerequisite: Consent of Department Chairperson; Admission to Teacher; an approved application from the Office of Student Services (all materials must be on file).

READ 320: Teaching Reading in Content Areas (3) (F;S)
Major professional course in Reading which prepares special subject teachers, grades K–12, to use reading as an instructional tool. Covers the following areas: (1) understanding the reading process and how to incorporate reading skills along with teaching content; (2) techniques for assessing textual materials; (3) understanding scope and sequence of reading skills development, K through grade 12; (4) reading rate and study skills; (5) vocabulary development through word attack, the use of content clues, etc.; and (6) comprehension development. Emphasis is on specific teaching and learning of reading strategies needed to make decisions in line with the patterns of writing used in various content areas. Reading is not conceived of as a separate strand of the secondary school curriculum but as an integral, interwoven aspect of the total curriculum in which effective decisions regarding instruction are made. Classroom observation required.
Prerequisites: Admission to Teacher; an approved application from the Office of Student Services (all materials must be on file).

Special Education Course Descriptions

SPED 291/292/293: Independent Study (1;2;3)
This course 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 and dean.
Prerequisite: Consent of instructor.

SPED 300: Assessing and Teaching Reading (2) (F)
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.
Co-requisite:

SPED 301: Reading Practicum (2) (F)
In this course, candidates will work individually with K12 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.

SPED 315: Communications for Special Education Teachers (3) (F;S)
This course is designed to provide students with the skills

and knowledge they will need to read, write, and speak effectively in a professional capacity, and to develop the prerequisite skills to teach reading and writing to K-12 students with disabilities. Instruction will emphasize collaborative learning in small groups, public speaking, and writing workshops.

SPED 334: Assessment in Special Education (3) (F, SS)
This course provides students with a basic overview of standardized and teacher-constructed assessment tools. Class discussions will emphasize the possible uses, application, underlying concepts, and issues associated with standardized and teacher-constructed tests. Acceptable methods of selecting, administering, and interpreting all types of tests will be addressed.
Prerequisites: Admission to Teacher Education; an approved application from the Office of Student Services (All materials must be on file).

SPED 346: Introduction to Special Education Laws, Identification, Services & Evaluation (3) (F;,S; SS)
This introductory course emphasizes Special Education Law, Identification, Placement, Procedures and Program Evaluation Accountability. The course is designed to provide an overview of special education and to give students the knowledge and skills necessary to facilitate effectively in the P-12 student referral process, interpret educational assessments and psychological reports, implement the objectives of the IEP, advocate for appropriate services with students with learning disabilities and to understand the need for continuous professional development

SPED 370: Introduction to Positive Behavior Support (3) (S)
This course is designed to provide students with the necessary 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 Chairperson or Advisor

SPED 390: Social Studies Methods in the Inclusive Classroom (3) (S)
This course will address major concepts in Social Studies, such as problem-solution-effect, multiple perspectives, and factors of group success. Students will 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.

SPED 395: Science Methods in the Inclusive Classroom (3) (S)
This course will address major concepts in Science, utilizing scientifically validated strategies to assist learners struggling in content area courses. Technology use will be required.

SPED 400: Methods of Assessing & Teaching Writing to Diverse Learners (2) (F)
This course focuses on research-validated strategies in writing instruction. Concepts include: author versus secretary; writing process; writing workshops and peer-mediated instruction; embedded mechanics instruction; and assessing writing using scoring rubrics.
Prerequisites: Admission to Teacher Education

SPED 430: Assessing & Teaching Writing to Diverse Learners (3) (S)
In this course, candidates will learn to assess and teach mathematics to diverse learners. Candidates will provide multi-sensory instruction that moves from the concrete to the abstract and will utilize formative assessment data (including error analysis) to make instructional decisions. A special focus will be on addressing underlying basic concepts while meeting grade level competencies.
Co-requisite: SPED 431.

SPED 431: Mathematics Practicum (2) (S)
This course requires a 30-hour field experience in a K-12 setting in which candidates will implement strategies learned in SPED 430.
Co-requisite: SPED 430

SPED 450: Implementing Positive Behavior Support (3) (S)
This course builds on SPED 370. Candidates are able to utilize their knowledge, skills, and dispositions to conduct Functional Behavior Assessments, and develop and implement a Behavior Change Plan in the K-12 setting.
Prerequisites: SPED 370 and Admission to Teacher Education.

SPED 460: Methods of Management & Organization (2) (F;S)
Putting it all together: course content will include 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.

SPED 461: Advance Practicum: Secondary Schools (2) (F;S)
In this course, candidates will practice and implement the skills and strategies they learn in SPED 460 and 470.
Co-requisite: SPED 460 and/or SPED 470.

SPED 465: Advocacy & Collaboration (2) (F)
This course will assist candidates to develop the leadership and communication skills required to be effective advocators of diverse students who struggle to successfully access the general curriculum. A special emphasis will be on post-secondary transitions.
Prerequisites: Admission to Teacher Education

SPED 491/492/493: Independent Study (1;2;3)
This course provides the candidate the opportunity to engage in individual study or research under direction of a faculty member. The department chair and dean must approve the study plan.
Prerequisite: Consent of instructor.

Elementary Education Course Descriptions

ELEM 300: Reading & Language Arts (3) (F;S;SS)
The reading methods course will examine the research-based language arts frameworks that candidates will encounter in the elementary school. Candidates will be able to implement strategies that build upon their understandings of the reading research in phonemic awareness, phonic and structural analysis, and comprehension. Candidates will be required to begin a major reading research project which will be considered as one of the required Evidences of Professional Competency.

ELEM 390: Social Studies Methods in the Inclusive Classroom (3) (S;M)
This course will address 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 will 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.

ELEM 395: Science Methods in the Inclusive Classroom (3) (S;M)
This course will address 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 be expected to demonstrate knowledge of inquiry-based science and effective use of science process skills. Technology use will be required.

ELEM 430: Methods of Assessing & Teaching Math to Diverse Learners (3) (F;M)
Mathematical assessment and instruction of diverse students will include number 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.

Engineering Technology Course Descriptions

See Course Listings under Technology.

English Course Descriptions

ENGL 300: Traditional Grammar (3) (F;SS)
Analysis of the sentence, its parts, functions, and relationships. Intensive study of functional grammar.
Prerequisite: GE 103 or GE 105H.

ENGL 301: English Literature (3) (F)
This survey course will cover the following periods of English Literature through a study of its major authors: Anglo-Saxon, Medieval, 16th Century, 17th Century, and the 18th Century to 1784. Consideration will be given to cultural diversity, including slave testaments, commonwealth concerns, and women's issues.
Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 302: English Literature 11 (3) (S)
This course is a continuation of English Literature. It focuses on 1785 to the present beginning with the Romantic Period.
Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 305: American Literature 1(3) (F)
This survey course emphasizes the continuity of historical and cultural elements in the works of major writers. Special attention will be paid to traditionally under-represented authors: Native American, Spanish American, African-American, and women. This course focuses on the Colonial Period through 1865.

ENGL 306: American Literature 11 (3) (S)
This course covers material from 1865 to the present.
Prerequisites: GE 201, 202, or GE 203H, 204H.

ENGL 317: Advanced Composition (3) (F;S;SS)
Principles and skills of composition are developed; understandings and competencies refined. Extensive practice in writing of various types of expository compositions. Class discussion on analyses of student writings and literary models.
Prerequisite: GE 103 or GE 105H.

ENGL 319: Children's Literature (3) (F;S;SS)
Survey of world literature for children. Forms, content, and techniques for teaching literature in the elementary school.
Prerequisites: GE 201, GE 202 or GE 203H, GE 204H.

ENGL 322: Advanced English Grammar (3) (F)
Study of modern English grammar: traditional, structural, and transformational-generative. Analysis of current English usage and points of conflict with older and more traditional practices.
Prerequisite: GE 103 or GE 105H, ENGL 300.

ENGL 327: History of the English Language (3) (S)
English sounds, pronunciation, spelling, etymology, syntax, and usage considered through study of the history of the language as a cultural subject.
Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 336: Literature for Adolescents (3) (S)
Reading interests of adolescents. Understanding content and demonstrating effective techniques of teaching literature in the high school.
Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 399: Creative Writing (3) (S)
Laboratory course for students who have demonstrated

some creative writing talent and wish to develop individual interests and creative capacities. Short story, poetry, the formal essay, and student writings read and criticized informally by members of the class. One hour weekly devoted to lecture, discussion, and critiques; two hours weekly, to laboratory work.
Prerequisite: GE 103 or GE 105H.

ENGL 401: Technical Writing (3) (S)
Fundamentals of English usage stressed as essential criteria and background of modem technical writing. Exercises in 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 discipline. Oral presentations of written reports and technical materials are also assigned.
Prerequisite: GE 103 or GE 105H and Junior or Senior status.

ENGL 402: Creative Writing: Poetry (3) (F)
Laboratory course for students who have demonstrated talent in the writing of poetry and wish to develop their interests and capabilities and achieve a professional level of competence in this literary art. Students will read a substantial amount of contemporary poetry and investigate thoroughly the contemporary literary marketplace for poetry. One hour weekly devoted to the introduction of new markets; two hours a week devoted to reading, critiquing, and revising student writing. At course end, students will be expected to produce a chapbook length publishable collection of poetry and to enter at least one national competition.
Prerequisite: GE 103 or GE 105H, ENGL 399.

ENGL 403: Creative Writing: Short Fiction (3) (S)
Laboratory course for students who have demonstrated talent in the writing of fiction and who seek to develop their skills in this genre. Students will study contemporary short stories and gain a deeper understanding of key techniques of story-telling, including dialogue, plotting, pacing, and characterization. One hour weekly devoted to the study of stories; two hours a week devoted to reading, critiquing and revising student writing. Course requirements include a semester project consisting of the production of three short stories or one novella. Students will be encouraged to submit their work to regional and national journals for publication.
Prerequisites: GE 103, or GE 105H; ENGL 399.

ENGL 405: Writing for Stage, Film, and Television (3) (F)
Practical and conceptual course designed to provide students with in-depth instruction in the techniques of writing plays and/or film scripts. This course will provide students with a comprehensive study of the process of creating plays, films, and television programs, including an understanding of the roles of staging, dialogue, and characterization. Students will learn to translate their ideas into polished, professional plays and/or scripts. One hour weekly will be devoted to the study of filmscripts and plays and two hours weekly will be devoted to reading, critiquing, and revising student writing. Course requirements include a semester project consisting of writing one filmscript and/or full-length play as a minimum. This course will provide basic instruction to the business of marketing scripts and producing plays. Students will be encouraged to seek opportunities, at both the regional and national levels, for the production of their work.
Prerequisites: GE 103, or GE 105H; ENGL 399.

ENGL 425: Shakespeare (3) (F;S)
Selected comedies, tragedies, and histories studied, with emphasis on dramatic techniques and Elizabethan stage.
Prerequisites: ENGL 301, 302.

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.
Prerequisites: ENGL 301, 302.

ENGL 428: English Literature of the 18th Century
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 affecting both tempers.

ENGL 429: English Literature of the 19th Century
Study, in-depth , major writings of nineteenth century (exclusive of novel). Triumph of Romanticism and Victorian Age studied against historical and social influences of the times.
Prerequisites: ENGL 301, 302.

ENGL 430: The English Novel (3) (F)
Development of the novel as a genre studied, in form and style, from eighteenth century to the present. In-depth study of selected novels.
Prerequisites: ENGL 301, 302.

ENGL 440: Bible as Literature (3) (S)
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.
Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 441: Old Testament Survey (3)
A survey of Old Testament writings with an emphasis on historical and cultural backgrounds, literary genres, themes, people and events.

ENGL 442: New Testament Survey (3)
A survey of New Testament writings with an emphasis on historical and cultural backgrounds, literary genres, themes, people, and events.

ENGL 458: Black Writers in American Literature I (3) (F)
A survey course of literary contributions by Black American writers. Emphasis on genres, literary tempers, and major movements influenced by historical, social, literary, and cultural factors. The course covers the Colonial American Period to 1940.

ENGL 459: Black Writers in American Literature 11 (3) (S)
This course is a continuation of the survey of literary contributions by Black American writers. Emphasis is on the Protest Period (1940) to the present.

ENGL 465: Contemporary American Literature (3) (S)
Critical study of selected works by major writers of the latter part of the twentieth century.
Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 475: Literary Criticism (3) (S)
Critical positions and techniques of selected major critics studied. Experience in application of Principles and techniques of criticism to texts, representing major literary genres and the writing of critical papers.
Prerequisite: GE 201, 202 or GE 203H or 204H.

ENGL 479: Special Studies & Research in Language and Literature (1-3) (F;S;SS)
Independent or small group study in selected areas of language or literature, culminating in an approved project or research paper. Topics taken from approved areas of English language or English, American, or World Literature; research techniques applied. May be repeated up to six semester hours.
Prerequisite: Consent of Department Chairperson.

FL 479: Special Studies in Non-English Languages and Literature (1-3) (F;S;SS)
This course will address a variety of special topics in non-English languages and literatures. Topics may include linguistics, languages instruction, and textural analysis in original languages, translation/interpretation, and language development. May be repeated up to 6 semester hours.
Prerequisite: Consent of the Department Chairperson.

ENGL 480: Junior-Senior Honors Project (3) (S)
Junior and Senior English majors who are Honors students may, with faculty approval, engage in creative, independent study projects. Non-English majors who are Honors students may request permission to enroll in this course. Project work to be conducted on or off campus; project presentations made to the Department.
Prerequisite: Junior or Senior Honors Program status or consent of Department Chairperson.

ENGL 490: Career Planning Seminar (3) (S)
This seminar covers resume writing, job preparation, portfolio production, interviewing techniques, graduate and professional school preparation, test- taking skills review, departmental exit examination project, and related career development issues.

ENGL 499: Capstone in Biblical Literature
The Capstone experience provides students with the opportunity to inregrate the knowledge gained from the core and specialty areas of the Religious Studies minor. Successful completion of the Capstone in Biblical Literature involves the written presentarion of a research project that demonstrates mastery of some aspect of Biblical literature.

Environmental Science Course Descriptions

ENSC 101: General Environmental Science (3) (F;S;SS)
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.
Prerequisites: none.

ENSC 101L: General Environmental Science Laboratory (1) (F;S;SS)
Analyses and experiments geared toward understanding the underlying Principles involved in determining the health of the environment. Includes the analyses for common pollutants in water, air, and soil. Laboratory: (2) hours.
Prerequisites: suggested taken in conjunction with ENSC 101

ENSC 440: Global Environmental Issues Seminar (3) (S)
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.
Prerequisites: GE 102, GE 103, and instructor consent.

Flight Course Descriptions

See Course Listings under Aviation Science.

French Course Descriptions

FREN 101/102: Elementary French (3/3) (F; S; SS)
Basic grammar, punctuation, pronunciation, and reading for vocabulary building, conversation. Laboratory practice required of all students.

FREN 201/202: Intermediate French (3/3) (F;S)
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.
Prerequisites: FREN 101, 102.

FREN 301/302: *Survey of French Literature (3/3) (F; S)
Great works of literature studied as representatives of French civilization and culture.
Prerequisites: FREN 201, 202 or advanced placement.
**Recommended for students who anticipate graduate study requiring foreign language reading proficiency.*

FREN 301/302: *Survey of French Literature (3/3) (F; S)
This course will address a variety of special topics in non-English languages and literatures. Topics may include linguistics, language instruction, and textual analysis in original languages, translation / interpretation, and language development. May be repeated up to 6 semester hours.
Prerequisite: Consent of the Department Chairperson.

GENERAL EDUCATION COURSE DESCRIPTIONS

GE 122/122T: Freshman Seminar (1) (F;S;SS)
This course assists students with adjustment to the university and provides them with both knowledge of and practice in the skills necessary for successful academic performance. This course 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.

GE English Course Descriptions

GE 102: English Composition and Grammar (3) (F; S; SS)
This course emphasizes the development of basic and intermediate writing skills, including mechanics, sentence clarity, coherence, organization and vocabulary. Special emphasis is on the role of revision in the writing process. Composition I will seek to develop an understanding of the connection between writing and reasoning, writing and culture, and style and rhetorical contexts. Topics include narration, process analysis, argument, and oral presentations. Students will write a minimum of fifteen pages, including at least one essay requiring research and documentation.

GE 103: English Composition and Vocabulary (3) (F;S;SS)
This course is a continuation of writing the essay. Emphasis is on advanced writing assignments including cultural and societal analyses, persuasive writing, interpreting and evaluating literature, and writing in the workplace. Research methods and the development of a major research paper with appropriate documentation, will be a primary focus of the course. The course will take an interdisciplinary approach to writing and highlight the interrelationships among writing, reading and critical thinking. A minimum of fifteen pages of written work is required. Composition 1 and II are foundation courses designed to develop broad-based communication and reasoning skills.

GE 104H: English Composition and Grammar Honors 1 (3) (F)
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.
Prerequisites: Admission to the University Honors Program or by special permission from the Honors Program Director.

GE 105H: English Composition and Grammar Honors 11 (3) (S)
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.
Prerequisites: GE 104H, or 102 by special permission of the Honors Program Director.

GE 201/202: World Literature I, II(3/3) (F;S;SS)
Selected masterpieces of world literature read, discussed, and critiqued for their comments on life and the meaning of existence. Emphasis on genres and literary tempers (Classicism, Romanticism, Realism). Students required to maintain satisfactory standards of written and spoken expression.
Prerequisite: GE 103 or GE 105H.

GE 203H/1204H: World Literature Honors Seminar I, II (3/3) (F;S)
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.
Prerequisites: GE 204H, GE 203H, GE 201 or special permission of the Honors Program Director.

GE Math Course Descriptions

GE 109: Introduction to College Mathematics (3) (F;S; SS)
This course provides a review of the fundamentals of algebra, including operations on real numbers, first-degree equations and inequalities with applications, polynomials and exponents, rational expressions, rational exponents and radicals. Three contact hours are required per week. Mathematics/independent lab sessions will be scheduled by the specialists. Students are assigned to the class based on the Mathematics Placement Test. A minimum grade of "C" is required to pass the course. Course credits cannot be used to fulfill graduation requirements.

GE 115: College Algebra (3) (F;S;SS)
Fundamental algebraic ideas; equations and inequalities, functions and graphs, linear and quadratic functions, and

polynomial and rational functions. Emphasis on calculator and computer use and modeling of problems. *Prerequisite: Consent of Department Chairperson.*

GE 115H: College Algebra (Honors) (3) (F)
Basic concepts, complex numbers, first- and second-degree inequalities, graphing techniques, coordinate geometry, functions, exponential and logarithmic functions, systems of equations, algebra of matrices, and determinants.
Prerequisite: Consent of Department Chairperson

GE 118: Pre Calculus (3) (F;S;SS)
Exponential and logarithmic functions, trigonometric functions, analytic trigonometry, trigonometric applications, and sequences and series. Emphasis on calculator and computer use and modeling of problem. *Prerequisite: GE 115 or Consent of Department Chairperson.*

GE Art Course Descriptions

GE 130: Art Appreciation (2) (F, S,SS)
Analysis of selected examples of major art works. Designed to give students an understanding of the purposes and historical roles of the visual arts in Western and Non-Western cultures.

GE 130H: Art Appreciation Honors (2) (F)
Designed especially for Honors Program students, offering opportunities for independent study, research, analytical thinking, oral reporting, and other special activities emphasizing the purpose and historical roles of the visual arts in Western and Non-Western cultures.

GE Music Course Descriptions

GE 135: Introduction to Music Literature (2) (F;S)
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. Listening emphasized.

GE 135H: Introduction to Music Literature Honors (2) (S)
A study of music in western and non-western cultures through selected masterpieces of music. Emphasis is placed on 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 emphasizing perceptive listening and the purpose and historical roles of music in western and non-western cultures. No previous musical knowledge assumed. Listening emphasized.
Prerequisites: admission to the University Honors Program or by special permission from the Honors Program Director.

GE History Course Descriptions

GE 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 will be 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.**
No Prerequisite.

GE 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 will be 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.**
No Prerequisite.

GE 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 will be 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.**
No Prerequisite.

GE 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 will be 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.
No Prerequisite.

GE Geography Course Descriptions

GE 142: Introduction to Geography (3) (F:S:SS)
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 are emphasized. Review of human geography including population, culture, urbanization, and industrialization.
No Prerequisites.

GE Physical Science Course Descriptions

GE 152: Principles of Physical Science (3) (F;S;SS)
Designed to give students some of the major basic concepts of physics, chemistry, astronomy, geology, and meteorology with particular emphasis on their relevant applications. Emphasis is also given to the role of physical science in the framework of contemporary society. Lecture: three hours per week.
Corequisite: GE 152L

GE 152L: Principles of Physical Science Lab (1) (F;S;SS)
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

GE 152H: Principles of Physical Science Honors (3) (F)
Designed especially for students with high academic potential. Includes essential elements of system measurements, physics, chemistry, astronomy and earth science. Course will challenge students to develop the spirit of scientific investigation and an appreciation for the physical universe. Lecture: three hours per week.
Corequisite: GE 152L

GE Biology Course Descriptions

GE 155: Principles of Biological Science (3) (F;S;SS)
Introduction to the basic Principles of modern biology with emphasis on aspects of human biology as applied to daily living. Lecture, three hours.
No Prerequisites.

GE 155L: Principles of Biological Science Lab (1) (F;S;SS)
Basic laboratory experiences in biology that reinforce concepts introduced in the lecture. Laboratory, two hours.

GE Geology Course Descriptions

GE 158: Principles of Geological Science (3) (F;S;SS)
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.
No Prerequisites.

GE 158L: Principles of Geological Science Lab (1) (F;S;SS)
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 or Corequisite: GE 158, Lecture.

GE Physical Education Course Descriptions

GE 160: Basketball (1) (F;S)
Focuses on the essential skills and techniques of basketball, as well as the fundamentals of the game. This is an elective course for the general student body that can be used to meet the Physical Education requirements in General Education.

GE 161: Dance (Elementary Modern) (1) (S)
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.

GE 163: Golf (1) (F;S)
Designed to acquaint students with history, relevant terminology, and rules of golf. Also designed to equip the student with fundamental skills of scoring, playing, and strategies of golf. This is an elective course for the general student body that can be used to meet the Physical Education requirements in General Education.

GE 164: Jogging (1) (F;S)
Designed to assist students interested in developing a personalized conditioning program, better fitness for health through jogging. This is an elective course for the general student body that can be used to meet the Physical Education requirements in General Education.

GE 168: Volleyball (1) (F)
Designed to broaden 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 opened to all students. One semester hour of credit. This course can be used to meet the Physical Education requirements in General Education.

GE 169: Weight-Training (1) (F;S)
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.

GE 172: Badminton (1) (F)
Designed for beginning players. It is designed to cover beginning skills and knowledge that will enable one to be proficient in the game. This course is an elective course for the general studenr body to meet Physical Education requirements in the General Education Program.

GE 173: Swimming I (1) (F;S;SS)
Beginning swimming, elementary techniques, and safety procedures. Designed to develop basic water safety skills and knowledge. This course is required of all Physical Educarion majors or the equivalent. This is also an elective course for the general student body that can be used to meet the Physical Education requirements in General Education.

GE 174: Swimming II (1) (F;S;SS)
Designed to provide individuals with an opportunity to develop skills in breath control, rhythmic breathing, survival floating, treading, changing positions, elementary backstroke, crawl stroke, diving, underwater swimming. This is an elective course for the general student body to meet the physical education requirements in General Education.
Prerequisite: GE 173 or consent of the instructor.

GE 175: Intermediate Swimming (1) (F;S)
Designed to provide students with 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.

GE 178: Gymnastics (1) (F)
Designed to develop strength, flexibility, balance, skills, and coordination through performance of stunts, tumbling, and apparatus; emphasis placed upon floor exercise, balance beam, uneven bars, still run, side horse, high bar, parallel bars, and trampoline. This course is required of all Physical Education majors, and an elective for any student as a General Education Program in Physical Education.

GE 179: Archery (1) (S)
Designed to advance the quality of living by providing the opportunity and encouragement for the development of the individual's social effectiveness and personal well-being through controlled participation in a program of physical activities conducted with effective guidance. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 180: Bowling (1) (F;S)
Designed to develop skills in scoring, ball selection and grip, approaches, releases, methods of aiming, and the eriquette of bowling. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 183: Beginning Tennis (1) (F;S;SS)
Designed ro familiarize 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 course is an elective for the general student body to meet the physical education requirement for the General Education Program.

GE 184: Dance (Folk and Square) (1) (S)
Designed to enhance 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 are the major areas of instruction. This is an elective course for the general student body that can be used to meet rhe Physical Education requirements in General Education.

GE 185: Health Concepts (2) (F;S;SS)
Contains the basic knowledge and behavior change techniques which will 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.

GE 186: Exercise and Health-Related Fitness (1) (F;S)
Designed to develop in the students, knowledge and skills toward the attainment of physical fitness, 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.

GE 187: Intermediate Tennis (2) (F;S)
Designed for the student to achieve 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 consent of instructor.

GE 191: Racquetball (1) (F;S;SS)
Provides instruction in the basic knowledge, skills, strategy, and safety practices of racquetball. Instruction includes lecture, demonstration, practice, and competition. This is an elective course for the general student body that can be used to meet the Physical Education requirements in General Education. GE 193-194: Modified Exercise and Activities (1) (1) (F;S)
The first semester of the class is designed to improve the fitness level of students who cannot experience success in regular physical education classes. The second half of the sequence is designed ro acquainr students with activities

that can be adapted to their functional capacities. These classes may be used to satisfy the basic Physical Education requirement by the handicapped.
Prerequisite: By medical consent or consent of instructor.

GE 195: Outdoor Activities (1) (F)
Designed to promote knowledge and skills of contemporary recreational outdoor leisure activities such as hiking, orienteering, cycling, tubing and rafting, canoeing, and camping. Emphasis is placed on noncompetitive activities suitable for participation throughout life. This course is required of all Physical Education majors. This is also and elective course for the general student body that can be used to meet the Physical Education requirements to General Education.

Geography Course Descriptions

GEOG 201: World Geography (3) (F)
Relationship of man to his environment for the major regions of the world. Description of selected countries representative of these regions in terms of the natural and cultural conditions of the world. The course is designed to help students develop an understanding of the physical and cultural environments of other countries. Lecture, three hours.
Prerequisite: GE 142 or instructors approval.

GEOG 221: Cartographic Principles (3) (S)
Planning and construction of thematic maps for use in communicating the spatial relations of geographic and geologic information. The course 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; laborarory, two hours.
Prerequisite: GE 142.

GEOG 305: Economic Geography (3) (F)
A regional and systematic analysis of the Principlecipal 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. Lecture, three hours.
Prerequisite: GE 142 or consent of Department Chairperson.

GEOG 308: Weather and Climate (3) (S)
Elements and Principles of mereorology involved in an understanding of daily weather patterns with regional study of the world's climate controls and the relation between these factors. Lecture, three hours.
Prerequisite: GE 142.

GEOG 406: Geography of the U.S. and Canada (3)
The study of the historical creation and expansion of North America from African, Asian, and European influences. It explores the contemporary geography of the continent which includes cultural regions, economic characteristics, and political variations. The course also includes the study of the continent's physical and human geography and the interactions between these two elements of the discipline.
Prerequisites: GE 142 and 9 hours of Geography courses.

GEOG 409: Urban Geography (3)
The study of human interaction within urban environments including the ways in which people perceive, define, and behave in the structured world cities and metropolitan areas. Cultural and social differences among ethnic and racial groups are discussed. Also the review of the city as a physical phenomenon and its historical growth patterns and the consequences of this growth within various regions of the world.
Prerequisites: GE 142 and 9 hours of Geography courses.

Geology Course Descriptions

GEOL 110: General Oceanography (3) (S;SS)
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.
No Prerequisites

GEOL 135: The Age Of Dinosaurs (3) (S)
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.
No Prerequisites.

GEOL 140: Introduction to Earth Science (4) (S)
An inrroductory course for non-science majors that surveys basic concepts in geology, oceanography, meteorology and astronomy, including laboratory exercises.
No Prerequisites

GEOL 143: Historical Geology (4) (S)
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.

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) (S)
The course reviews the fundamental geomorphic Principles that govern the development and modification of landforms. Lecture and lab, three hours.
Prerequisites: GE 158 or consent of Chairperson.

GEOL 341: Mineralogy (3) (F)
Physical and chemical characteristics and crystal chemistry of minerals and their use and occurrence. Lecture, two hours; laboratory, two hours.
Prerequisites: GE 158.

GEOL 342: Optical Mineralogy (3) (S)
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.

GEOL 343: Sedimentology (3) (F)
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.
Prerequisites: GE 158

GEOL 344: Stratigraphy (3) (S)
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.
Prerequisites: GE 158; GEOL 343.

GEOL 345: Paleontology (3) (F)
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.
Prerequisites: GEOL 143 or MAS 421 or BIOL 101 or GE 155.

GEOL 348: Hydrogeology (3) (F)
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.

GEOL 360: Principles of Geographic Information System (4) (F)
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.
Prerequisites: CSC 111 or familiarity with computer usage.

GEOL 365: Introduction to Remote Sensing and Digital Image Processing (4) (S)
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, georeferencing, and terrain corrections. Lecture and laboratory, four hours.
Prerequisites: CSC 111 or familiarity with computer usage

GEOL 395: Individual Study in Geology (1-3) (F;S;SS)
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.
Prerequisites: consent of Instructor.

GEOL 440: Structural Geology (3) (S)
Analysis of earth's structure including folds, faults, joints, cleavage, and fracture patterns and petrofabrics. Structure of mountain systems and theories of mountain-building and plate tectonics. Lecture, two hours; laboratory, two hours.
Prerequisites: GE 118; GEOL 143.

GEOL 441: Petrology (3) (F)
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.

GEOL 442: Economic Geology (3) (S)
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.
Prerequisites: GEOL 341, 344, and 440.

GEOL 444: Field Geology (3) (S)
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.
Prerequisites: GEOL 143, 344, and 440.

GEOL 446: Summer Practical Internship (6) (SS)
Minimum of six weeks of training in field geology including field techniques, data collection, interpretation, preparation and report writing.
Prerequisites: GE 118; GEOL 332, 344, 440, 441, 444. The course requires expenses for the field trip. Students are advised to see the Chairperson before enrolling in the course.

GEOL 448: Practicum in Geology (1) (F,S) (Offered on Demand)
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.

GEOL 449: Principles of Geochemistry (3) (S)
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, petroleum and coal geochemistry. Lecture, three hours.
Prerequisites: GE 158, GEOL 341, 441; CHEM 101L, 102L.

GEOL 461: Advanced Geographic Information System (4) (F)
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.
Prerequisites: GEOL 360 and 365.

GEOL 496: Seminar in Geology (1) (F;S)
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.
Pre-requisite: Senior Standing.

GEOL 499: Research in Geology (1-3) (F;S;SS)
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.
Prerequisite: Open to advanced Geology majors with permission of Chairperson (Six semester credit hours maximum.)

Global Studies Course Descriptions

***GLBS 200: Introduction to Global Studies (3) (F;S)**
Introduction to phenomenon of globalization and broad range of cultural, economic, political, and social issues confronting the globalized world today. This course will examine the current structure of globalization. Structured around three thematic categories - culture and society, governance and conflict, and markets - designed to capture principal dimensions of diverse and complex connections among nation-states, nongovernmental organization, ethnic, cultural and religious groups, and populations around the world.
No Prerequisite.

***GLBS 320: World Societies and Cultures (3) (F;S)**
A historical and cultural examination of Africa, Asia, the Middle East, the Americas, and Europe from 1650 to the present. Emphasis will be placed on the dynamic evolution of modern society by emphasizing religious, intellectual, economic, and political aspects of life and history.
Prerequisites: GE 140 and GE 141.

Health Course Descriptions

HLTH 367: First Aid and Safety (2) (S)
First Aid and Safety is designed to provide students with essential information for administering emergency care that leads to certification. Certification is a departmental requirement. The course is offered to other students.

HLTH 369: Principles of Nutrition (S) (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.

HLTH 373: Health in the Elementary School (2) (F)
Required for Elementary Education majors (K-6). This course is designed to develop an understanding of the purposes and duties of the teacher in implementing a school health education program. It provides students with knowledge, methods, and materials necessary to teach Health in grades K-6.

HLTH 460: Contemporary Health Education (2) (F)
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 in this course. This course is required of all Physical Education majors. Open to other students.

HLTH 465: Drug Education (3) (S)
Study of social, psychological, and physiological aspects of drug use, misuse, and abuse. Open to all students.

History Course Descriptions

HIST 200: Introduction to History (3) (F;S)
An introduction to the methods of historical research, historical terminology and historical theory with an emphasis on the use of technology, critical thinking and critical writing. The portfolio for history majors is started in the Sophomore yeat.

HIST 250: African American History to 1877 (3) (F;S)
Survey of African backgrounds of African Americans and the part they played in the exploration and development of America and the study of African Americans' relationships with constitutional, political, economic, social, and cultural development of the United States to 1877.
No Prerequisite.

HIST 251: African American History since 1877 (3) (S)
Survey of African Americans in America from the end of Reconstruction to the present. This course will include an examination of the constitutional, political, economic,

social and cultural developments related to the African American presence in America. Also included: the Diaspora.
No Prerequisite.

HIST 255: American History to 1877 (3) (F;S;SS)
General political constitutional, social and economic development of the United States from the development of native cultures to the end of Reconstruction.
No Prerequisite.

HIST 256: American History Since 1877 (3) (F;S;SS)
Continuation of HIST 255. Analysis of political constitutional, social and economic growth of United States from 1877 to present. Emphasis on industrial development, economic depressions, the two World Wars, and social movements for equality as factors in American growth and development.
No Prerequisite.

HIST 330: History of Christianity
This course will examine the history of Christianity, its stages of development, major themes, and significant historical events from the Apostle's Council in 48 through the present.

HIST 331: African-American Religion and the Church (3)
This course will take a thematic approach to the contributions of Africans and Christians to African American religions. It will analyze the role of religion in resisting oppression and racial injustice as well as the role of religion and the church.
Recommend HIST 250 or 251.

HIST 332: Global Religion (3)
This course will study the major religions of the world and take a comparative approach to the examination of religion and its role in cultural, economic, and political development around the world.
Prerequisites: GE 140 and 141.

HIST 341: Colonial American Studies in the Greater Atlantic World, 1492-1763 (3) (S, Odd)
Intensive examination of the colonial American era in an Atlantic World environment, using an ethno-historical method and approach to assessing the origins and interactions of varying national and cultural groups (Native, European and African). The course examines how these groups affected the major events and environment of the colonial period with a dominant emphasis on North America.
Prerequisites: HIST 200 (for majors), HIST 255.

HIST 351: Early America: From Colonies to Early Republic, 1607-1820 (3) (S, Even)
This course studies the interactions of varying groups of people in colonial America, including the exchange of cultures, political and economic views, and military conflicts. The course follows the development of the colonies forward through the American Revolution to the development of the Early Republic, focusing on the cultural and political interchanges that combined to create the diverse society that existed at the peak of the Era of Good Feelings.
Prerequisite: HIST 200 (for majors), HIST 250 or HIST 255.

HIST 352: 19th Century America: Struggle of States Rights and Federalism, 1800-1877 (3) (F, Odd)
This course studies the increasing sectionalism in America as regional interests, states rights, and federalism alternately compromised and clashed politically and militarily. The course focuses upon the understanding of the differing causes and interpretations of the sectional and political interests that led to Civil War. Students will also study the Civil War and the resulting conflicted movements toward reunification and reconstructing the nation.
Prerequisites: HIST 200 (for majors), HIST 250 or HIST 255.

HIST 353: The Gilded Age and Progressive Era, 1877-1929 (3) (S)
Examines the period from Reconstruction, rapid transition from agricultural to an industrial nation, the rise of America as a world power at the turn of the century, The Spanish-American War, World War I, Isolationism, Progressivism, the Harlem Renaissance, and social and cultural changes.
Prerequisites: HIST 200 (for majors), HIST 251, HIST 256.

HIST 358: The Making of Modern America: 1930-Present (3) (S)
American History from the beginnings of the Great Depression, to World War II, Internationalism, the Welfare State, and the Cold War. Within this context students will study modern social movements, liberalism, and conservatism, and consider current trends and topics in America.
Prerequisites: HIST 200 (for majors), 256 or 251.

HIST 360 : History of American Foreign Relations to 1914 (3) (F)
U.S. foreign relations from Independence to the start of World War I. Survey of the domestic political, economic, social, and intellectual sources of U.S. territorial and commercial expansion in a larger international context. This course is also concerned with the effect of American expansionism on domestic values and institutions.
Prerequisites: HIST 200 (for majors), HIST 255.

HIST 361: History of American Foreign Relations since 1914 (3) (S)
U.S. foreign relations from World War I to the present. Survey of U.S. military, diplomatic, economic, and cultural involvement in world affairs. Much of the course will deal with the two world wars, the Cold War, and the Persian Gulf War, with emphasis on Woodrow Wilson and Franklin D. Roosevelt's postwar plans and their impact on twentieth-century American foreign relations

and beyond. Attention will be given to America's economic, ideological, and cultural influence aboard.
Prerequisites: HIST 200 (for majors), HIST 256.

HIST 376: History of North Carolina (3) (F; S)
General survey of political, economic, and social history of North Carolina. Problems of North Carolina growth and development and their relationship to other southern states and to U.S. History.
Prerequisites: HIST 255.

HIST 383: Ancient and Medieval Civilization (3) (F, Odd)
Examination of the historical development of the Western world from 800 B.C.E. to 1350. Topics include the political culture of the Greek city-state, the Roman republic and empire, feudalism, the rise of Christianity, the Norman Conquest, and the Black Death.
Prerequisites: GE 140, GE 141.

HIST 384: The Birth of Modern Europe, 1350-1789 (3) (S, Even)
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.
Prerequisites: GE 140, GE 141.

HIST 385: Modern European History 1789-1918 (3) (F, Even)
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.
Prerequisite: GE 140, GE 141.

HIST 386: Europe Since 1918 (3) (S, Odd)
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. Emphasis will be placed on the origins of modern political crises.
Prerequisite: GE 140, GE 141.

HIST 389: Oral History (3)
Methodology, application and usage, historic and current literature; and identification and examination of available resources in the methods of documenting history through use of interviews.
Prerequisite: HIST 200.

HIST 395: Independent Readings in History (1) (2) (3)
Course requires student and faculty to develop reading list to be completed and analyzed by the student under faculty supervision.
Prerequisites: Junior or Senior status and consent of Instructor and Department Chairperson.

HIST 397: Historical Methods and Historiography (3)
Designed to train History majors in the approach and methods of the historian, emphasizing fundamentals of research and writing as well as the basic schools of historical thought. Course will include use of technology. The portfolio is evaluated. Students will begin a major research paper to be completed in HIST 499.
Prerequisite: Junior status, HIST 200.

HIST 465: History of Modern Asia (3) (F)
Survey of the political, religious, social, cultural, economic, and intellectual development of Asia, in particular, China, Japan, India, and Southeast Asia. Special emphasis will be placed on events taking place after 1850: the Meiji Restoration in Japan, the rise of the Indian National Congress, Indian independence from the British Empire, the rise of Nationalism and Communism in China and Vietnam, World War II in Asia, the People's Republic of China postwar economic growth to the present.
Prerequisites: HIST 200 (for majors), Junior Status; GE 140 and GE 141.

HIST 467: Modern Russian History (3) (S)
Survey of Russian History, greatest emphasis on immediate unfolding of "October Revolution" and Foundation of Soviet State. Various Five-Year Plans; attempt of Communist Russia to extend Communism throughout the world; World War II, Cold War, such recent trends as the Sino-Soviet Conflict and threats of thermonuclear extermination.
Prerequisites: GE 140, 141, HIST 200 (for majors), Junior Status.

HIST 473: Africa: Past and Present (3) (F)
Survey of geography, history, and present-day problems of Africa south of the Sahara.
Prerequisites: GE 140, 141, HIST 200 (for majors), Junior Status.

HIST 475: History of the Middle East (3)
Survey of the political, religious, social, cultural, economic, and intellectual development of the Middle East. Special emphasis will be placed on the role of Islam, the rise and fall of the Ottoman Empire, the role of oil, and the origins of the Arab-Israeli conflict and the history of terrorism.
Prerequisites: GE 140, GE 141, HIST 200 (for majors), Junior Status.

HIST 477: History of Latin America (3) (F)
Origin and development of Latin American States from colonial times to present. European background: conquest and settlement; political, social, economic and military aspects of causes of revolution; nature of political institutions and systems in the Latin American republics.
Prerequisites: HIST 200, (for majors), Junior Status; GE

140, GE 141.

HIST 489: Historic Site Interpretation (3) (S)
This course will examine the issues and problems in the interpretation of historic house museums, museums, and historic sites with special emphasis on the development of an interpretive exhibit related to state and local history. An integral part of this course will be field trips.
Prerequisite: HIST 200, Recommended to take HIST 376 previous to this class.

HIST 490: Internship in History (3) (6)
Revised so that the course can be offered as a three-hour course or a six-hour course. Student is placed an internship working with some agency relating to public history.
Prerequisite: HIST 200.

HIST 491: Teaching History (3) (F)
This course addresses a wide range of topics that are integral to the reaching of History and related Social Studies. Topics include curriculum mapping, assessment, reading in the content area, classroom management, leadership in education, school improvement studies, and differentiated/multicultural/multi-intelligence strategies, as well as general review and application to History/Social Studies concepts.
Prerequisite: Senior Status.

HIST 494: Special Topics in African American History (3)
A study of one or more selected historical topics in African American History.
Prerequisite: At least 12 hours of History courses.

HIST 495: Special Topics in American History (3)
A study of one or more selected historical topics in American History.
Prerequisite: At least 12 hours of History courses.

HIST 496: Special Topics in European History (3) (F; S)
A study of one or more selected historical topics in European History.
Prerequisite: At least 12 hours of History courses.

HIST 497: Special Topics in World History (3)
A study of one or more selected historical topics in World History.
Prerequisite: At least 12 hours of History courses.

HIST 498: Special Topics in African History (3) (S)
A study of one or more selected historical topics in African History.
Prerequisite: At least 12 hours of History courses.

HIST 499: History Seminar (3) (F)
This course is a continuation of HIST 397. It is the capstone course. Students will complete the major research paper begun in HIST 397 that will demonstrate proficiency in historical research, cririca thinking, critical analysis, historical writing techniques, use of appropriate technology; and presentation of research. The completed portfolio is due.
Prerequisite: Senior status, HIST 200, HIST 397.

Journalism Course Descriptions

JOUR 200: Broadcast Laboratory (1) (F;S;S5)
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 will meet with instructor by appointment to discuss work. Students design the semester's work with faculty approval.

JOUR 346: Journalism Laboratory (1) (F;S)
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 Compass*, the university newspaper. May be repeated.
Prerequisite: Consent of the instructor.

JOUR 347: Publications Laboratory (1) (F;S)
Practical laboratory for students at all academic levels. Provides basic learning and direct application to University/Departmental publications, particularly in the production of *The Viking*, the university annual. May be repeated.
Prerequisite: Consent of the instructor.

JOUR 349: Mass Media (3) (F)
Introduction to history, techniques, and psychology of mass media and their impact on society.
Prerequisite: GE 103 or GE 105H.

JOUR 351: Journalism 1(3) (F)
Basic elements of journalism, format of newspaper, and organization and writing of news and feature stories. Students will contribute stories to *The Compass,* the university newspaper on a regular basis.
Prerequisite: GE 103 or GE 105H.

JOUR 352: Journalism 11(3) (S)
Study and practice of news writing, copy editing, proofreading, page makeup, type structure, headlining and arranging of stories, and feature writing. Coursework includes student involvement in *The Compass*, the university newspaper on a regular basis.
Prerequisite: JOUR 351 or consent of the instructor.

JOUR 449: Photojournalism (3) (S)
The course will cover 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. Students will work on *The Compass,* the university newspaper.
Prerequisites: Photography I (ART 340) or equivalent experience, or consent of the instructor.

JOUR 451: Broadcast Writing 11(3) (F)
This course focuses on developing the critical thinking and decision-making skills needed to identify, research and develop dynamic news and feature stories for radio and television broadcasting. Sections of the course will cover 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 consent of the instructor.

JOUR 499: Seminar Internship (3-6) (F;S;SS)
Supervised field experience in news media. Includes newspaper and broadcast journalism, seminar sessions and independent study.
Prerequisite: Completion of News Media sequence or consent of Department Chairperson.

Management Course Descriptions

MNGT 221: Principles of Management (3) (F, S, SS)
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.

MNGT 321: Human Resource Management (3) (F, S, SS)
Introduces student to fundamental theory and practices relating to the interviewing, hiring, training, scheduling, placing, supervising, compensating, evaluating, promoting, and dismissing of personnel.
Prerequisite: Business Administration, Aviation Science, or Sports Management, Physical Education major and MNGT 221, or permission of department chairperson.

MNGT 322: Organizational Behavior (3) (F, S)
Emphasis on development of student's understanding and knowledge of organizational setting. Instruction directed toward organizational behavior as a necessary ingredient of managerial effectiveness and understanding of the major theoretical and methodological approaches to studying behavior in organizations.
Prerequisite: Business Administration or Aviation Science major and MNGT 221, or permission of department chairperson.

MNGT 345: Leadership and Teamwork (3) (S)
This course provides students with an understanding of the theory and practice of leadership in organizations, as well as the theory and practice of teamwork. It provides srudenrs with opportunities to expand their leadership skills as they learn more abour working in and leading teams.
Prerequisites: Business Administration major, MNGT 221, and MNGT 322, or permission of department chairperson.

MNGT 398: Special Topics in Management (3) (F, S, SS)
Topics of special interest to business studenrs 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 standing and permission of the instructor.

Management Information Systems Course Descriptions

BMIS 380: Management Information Systems II (3) (F, S, SS)
This course 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. Emphasis is on practical case studies involving real corporate MIS problem scenarios, teamwork and application of business software ro develop practical business solurions. MIS II is the second preparatory course towards the Microsoft Office Specialist Certification (MOSC) examination.
Prerequisites: Business Administration or Physical Education major, BUAD 190, BUAD 115 and ACCT 210, or permission of department chairperson.

BMIS 398: Special Topics in Management Information Systems (3) (F, S, SS)
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 or Physical Education major, junior standing and permission of the instructor.

BMIS 410: Business Networks (3) (F)
Identify, differentiate and analyze Network requirements in today's businesses. Local Area Networks (LAN) and all five carrier service infrastructures (CSI) rransport and related costs to the businesses. Examine several business examines network types and Total Cost of Operation (TCO), and on-going maintenance and support. Analyze costs and benefits to the business of E-commerce, network security, Intranet and Virtual Private Networks.
Prerequisites: Business Administration or Physical Education major, ACCT 210 and BMIS 380, or permission of department chairperson.

BMIS 475: Database Management Systems (3) (F)
An upper–level course study of Database Management Systems (DBMSs). Studies relational DBMSs, Data Modeling, and Database Design. Develops and presents case studies requiring relational DBMS solurions. Covers object oriented design and development. Reinforces MS-ACESS skills and inrroduces ORACLE DBMS software and design rechniques. Studenrs will have the opportunity to join the ORACLE Academic Initiative (OAI).
Prerequisites: Business Administration or Physical Education major, BUAD 190, and BMIS 380 or permission of department chairperson.

BMIS 485: Decision Support Systems (3) (S)
Introduces strategies, technologies, and techniques associated with decision support systems at all levels of management. Teaches basic methodology for planning, designing, and building a Decision Support System (DSS). Examines how to use different techniques from Operational Data Store to support operational, tactical and strategic long-term decision-making.
Prerequisites: Business Administration or Physical Education major and BMIS 475, or permission of department chairperson.

BMIS 489: IS Project Management (3) (S)
Prepares project managers to interact with parent organization ro develop Business Information Systems. Student project teams work on Information Systems projects with off-campus business organizations to complete actual IS projects. Each student and team would be required to use the WEB, the ECSU Network and the entire available suite of Microsoft business software with emphasis on the MS-Project software application.
Prerequisites: Business Administration major or Physical Education, MNGT 221, ACCT 210, BMIS 475 and senior standing, or permission of department chairperson.

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) (F)
An inrroduction 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.
Prerequisites: None

MAS 226: Beach and Island Environments (3) (S)
This course examines the marine processes to which rhese coastal ecosystems are constanrly subjecred. It 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.
Prerequisites: None

MAS 330: Coastal Geology (3) (F)
The formation and evolution of the world's coastal regions, focusing on their geologic setting and their responses to natural processes and human activities. Lecture three (3) hours.
Prerequisites: GE 155 or GE 158L.

MAS 331: Marine Biology (3) (S)
Physical, chemical, and biological processes emphasizing adaptation of marine organisms. Lecture: (3) hours.
Prerequisites: BIOL 101, BIOL 102 .

MAS 333: Wetland and Ocean Chemistry (4) (S)
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.
Prerequisites: CHEM 101L; CHEM 102L.

MAS 340: Field Internship (4) (SS)
Field work at an accredited facility such as a Marine Laboratory.
Prerequisites: MAS 331 and consent of instructor..

MAS 401: Global Geochemical Cycles (3) (F)
A seminar course evaluating the global geochemical cycle of carbon, nitrogen, water and sulphur with emphasis on their impact of global climate. Lecture: (3) hours.
Prerequisites: CHEM 101L; CHEM 102L.

MAS 402: Physical Oceanography (3) (S)
Physical processes of the oceans, the dynamics of waves, tides, current, and transmission of light and sound. Lecture (3) hours; Field Trips.
Prerequisites: MAS 331; PHYS 182L or PHYS 191L.

MAS 420: Marine Vertebrates (3) (F)
Comparative physiology of marine animals with emphasis on responses of organisms ro environmental factors. Lecture three (3) hours.
Prerequisite: BIOL 101, BIOL 102.

MAS 421: Marine Invertebrates (3) (F)
Structure, function, and development of marine invertebrates. Lecture three (3) hours.
Prerequisite: BIOL 101, BIOL 102.

MAS 422: Marine Microbiology (3) (S)
Morphology, reproduction, life history, and environment for the growth of benthic and planktonic marine life. Lecture: (3) hours.
Prerequisite: BIOL 101, BIOL 102.

MAS 425: Independent Study (3) (S)
At least junior level with approval from the appropriate instructor.

MAS 433: Geological Oceanography (3) (F)
The geology of ocean basin, including origin, bottom

physiography, sediment distribution, and sedimentary processes. Lecture: (3) hours; Field Trips.
Prerequisites: GE 158L or MAS 111 and PHYS 181L; PHYS 182L.

MAS 440: Hydrology of Coastal Water (3) (F)
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.

MAS 441: Estuarine Environment (3) (F)
Chemistry, microbiology, and pollution of estuaries, wetlands, and marine coastal waters. Lecture three (3) hours.
Prerequisite: CHEM 101L; CHEM 102L; MAS 331.

MAS 442: Coastal Urbanization and Land Use Planning (3) (S)
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.
Prerequisites: MAS 331and GEOL 331 or MAS 330; Field Trips.

MAS 443: Coastal and Marine Resources Management (3) (F)
Managing the natural resources of the coastal and marine environment. Human activities affecting those environments and policies governing those activities. Lectures three hours.
Prerequisites: MAS 331, MAS 402.

MAS 450: Research in Marine Science I (1-3) (F; S; SS)
Directed research in marine science supervised by the faculty (with consent of instructor).

MAS 451: Research in Marine Science II (1-3) (F; S;SS)
Directed research in marine science supervised by the faculty (with consent of instructor).

Marketing Course Descriptions

MRKT 231: Principles of Marketing (3) (F, S, SS)
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: Business Administration, Accounting or Physical Education majors, BUAD 115.

MRKT 331: Promotion (3) (S)
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: Business Administration major or Physical Education major, MRKT 231, and MRKT 332, or permission of department chairperson.

MRKT 332: Consumer Behavior (3) (F)
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.
Prerequisites: Business Administration or Physical Education major and MRKT 231, or permission of department chairperson.

MRKT 333: Sales (3) (S)
Course 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.
Prerequisites: Business Administration or Physical Education major, MRKT 231 and junior standing, or permission of department chairperson.

MRKT 398: Special Topics in Marketing (3) (F, S, SS)
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.
Prerequisites: Business Administration major, junior standing and permission of the instructor.

MRKT 431: Retailing (3) (F)
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.
Prerequisites: Business Administration or Physical Education major and MRKT 231, or permission of department chairperson.

MRKT 432: Marketing Management (3) (F)
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.
Prerequisites: Business or Physical Education major, senior standing MNGT 221, MRKT 231 and at least two of the following: MRKT 331, MRKT 332, and MRKT 431, or permission of department chairperson.

Mass Communications Course Descriptions

MCOM 250: Introduction to Broadcasting (3) (S)
An introduction to modern electronic media including radio and television, cable, home video, the Internet and new media. An examination of the historical foundations of broadcast media formats. Other topics include how media are regulated, ratings and audience feedback, media effects, and the international media scene.
Prerequisite: GE103 or GE105H.

MCOM 347: Mass Communication Theory and Research (3) (F)
Review of communication concepts and theories in relation to communication research methodology. Introduction to theory construction, mass communication research, literature and related research techniques.
Prerequisites: ENGL 317, MCOM 250.

MCOM 350: Writing for the Mass Media (3) (S)
This course deals with the radio industry, the television newsroom, and broadcast news writing. Students are taught the basic rules of broadcast-style news writing and the differences between writing for the eye and the ear. Emphases on writing clear, concise broadcast news copy and other formats of broadcast writing, such as for features, commercials and documentaries. Skills learned in this course will prepare students for the more advanced formats of radio and TV scripting and production.
Prerequisite: MCOM 250.

MCOM 353: Radio Production (3) (S)
Exposure to every facet of radio production. This course will familiarize students with the care and upkeep of production equipment and instruction in 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.

MCOM 354: Advanced Radio Production (3) (F)
This course is designed to expose students to a more technical level of radio production. This course will begin where Radio Production 353 concluded. By mid-semester students will be able to perform all production tasks that include sound effects, learned on the hominizer techniques and fully computerized production.
Prerequisite: MCOM 353

MCOM 355: Television Production (3) (F)
An introduction to the fundamentals of operating audio and video equipment in the studio. The course also provides a basic understanding of the terms used and crew position responsibilities in a studio setting. Operational skills will be developed through several structured laboratory exercises.
Prerequisite: MCOM 250.

MCOM 356: Advanced Television Production (3) (S)
This course allows students to work individually and gain more in-depth knowledge of all phases of television production. Students continue to learn the advanced features and functions of audio and video equipment, focusing on post-production activities that emphasize editing and graphics.
Prerequisite: MCOM 355.

MCOM 357: Introduction to Public Relations & Advertising (3) (F;S)
History of the evolution of public relations. Students will be introduced to the theories and practices of public relations and advertising and will receive instruction on public relations and advertising writing.
Prerequisite: JOUR 351.

MCOM 358: Advanced Public Relations and Advertising (3) (S)
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.

MCOM 359: Interactive Video (3) (S)
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.
Prerequisite: JOUR 349.

MCOM 360: Film Appreciation (3) (F; S)
An introduction to the appreciation of feature films, with concentrations on film genres and criticism. Emphasis is on representative American films from the films of the early 20th century to the present. The course will include viewing of representative films from various film genres and eras.
Prerequisites: MCOM 250 and JOUR 349, or consent of the instructor.

MCOM 361: Television Appreciation (3) (F; S)
An introduction to the appreciation of feature television, with concentrations on genres and criticism. Emphasis is on representative American television programming from the "golden age" of television of the mid-20th century to the present. The course will include viewing representative television programs from various genres and eras.
Prerequisites: MCOM 250 and JOUR 349, or consent of instructor.

MCOM 400: Print & Broadcast Management (3) (F)
This course provides detailed descriptions of job positions in the print and broadcast industry. Students will tour print and broadcast facilities to learn about print and broadcast managers and how they do their jobs. Role-playing activities will be conducted to demonstrate how

managers handle particular situations.
Prerequisites: MCOM 350; MCOM 354; MCOM 356.

MCOM 450: Media Law and Ethics (3) (F)
This course introduces students to the First Amendment doctrines and issues that impact freedom of expression. While international standards and variations are also covered, the course focuses on explaining applications of the law with respect to the challenges and responsibilities of the working journalist in the U.S. It also attempts to engage students in discussions about ethical, moral and regulatory issues facing contemporary news media.
Prerequisites: JOUR 349, MCOM 250; MCOM 347.

MCOM 479: Special Topics and Studies in Mass Communications (3) (F; S)
Advanced study and analysis of the field of Mass Communications, including problems and case studies. This course will feature different topics. It may be repeated for credit.
Prerequisites: JOUR 349; MCOM 250; MCOM 347; or permission of instructor.

MCOM 498: Internship (3-6) (F,S)
Supervised field experience in mass communications; television and radio broadcasting.
Prerequisite: Completion of Mass Communications concentration requirements or consent of Department Chairperson.

MCOM 499: Broadcast Seminar (3) (F,S)
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: Completion of concentration requirements or consent of the instructor.

Mathematics Course Descriptions

MATH 121: Number Systems and Algebra (3) (F;S)
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: Consent of Department Chairperson.

MATH 122: Geometry and Data Analysis (3) (F;s)
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.

MATH 153: Differential and Integral Calculus for Non-Science Majors (3) (F;s)

Basic differential and integral calculus involving techniques of differentiation and integration with applications business, economics, industry, management and behavioral sciences. Emphasis on intuitive and graphical understanding.
Prerequisite: C or better in GE 118

MATH 165: Calculus of Single Variable I (4) (F; S)
Limits and their properties, differentiation, definite integrals, fundamental theorem of calculus, applications of derivatives and integrals and use of computational tool.
Prerequisites: C or better in GE 118.

MATH 262: Discrete Methods (3) (F)
Functions, Relations and Sets; basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; discrete Probability.
Prerequisite: GE 118 and 215.

MATH 265: Calculus of Single Variable II (4) (F; S)
Techniques and applications of integration, Indeterminate forms, 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.

MATH 267: Calculus of Several Variables III (4) (F; S)
Vector algebra, and vector functions. Functions of several variables, partial derivatives, gradients, directional derivatives, maxima and minima. Multiple integration. Use of computational tools.
Prerequisite: MATH 265 or 3 and above score in AP Calculus BC exam.

MATH 350: Number Theory (3) (F)

The Euclidean algorithm and unique factorization, congruencies, the function tau and sigma, Fermat's theorem, Primitive roots, Diophantine equations, the quadratic reciprocity law, numbers in other bases, continued fractions, and Pell's equations. Computer-assisted instructional techniques used in teaching some topics.
Prerequisites: MATH 275

MATH 351: Linear Algebra (3) (F;S)
Fundamental theory of finite dimensional vector spaces, matrices and linear transformations, including orthogonality; eigen values and eigenvectors. Applications of linear algebra to social, biological and physical sciences. Computer-assisted instructional techniques used in teaching some topics.
Prerequisites: MATH 153 or MATH 265

MATH 352: College Geometry (3) (F)
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 geomerry, 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 or consent of the Department Chairperson.

MATH 354: Abstract Algebra I (3) (S)
Ser theory, mappings, mathematical induction, binary operations, groups, cyclic and symmetric groups, subgroups, equivalence relations, LaGrange theorem, homomorphism and normal subgroups, factor groups, isomorphism Theorems, direct products.
Prerequisite: MATH 275

MATH 366: Complex Variables (3) (F)
Elementary functions, differentiation and integration of analytic functions, Taylor and Laurent series, contour integration. Use of computer in problem solving.
Prerequisites: MATH 267.

MATH 400: Operations Research Techniques (3) (S)
Linear programming, decision-making under uncertainty, some models for networks, inventory management, and waiting lines.
Prerequisite: MATH 265/MATH 153, MATH 351, STAT 251/STAT 351.

MATH 450: Advanced Calculus (3) (F)
Vector Algebra, Differentiation and integration of vectors, scalar and vector field, line integral, Green's theorem, Divergence theorem, Stoke's theorem and Fourier series.
Prerequisite: MATH 267

MATH 451: History of Mathematics (3) (S)
Lectures and discussions on development of mathematical thought and evolution of mathematical ideas including techniques and procedures used in earlier eras. Babylonian and Egyptian Mathematics; Greek Mathematics; Chinese, Hindu and Arabian Mathematics, European Mathematics; Modern Mathematics; American Mathematicians; and African-American Mathematicians and their contributions.
Prerequisite: Junior Classification.

MATH 452: Internship (3) (SS)
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.

MATH 454: Abstract Algebra II (3) (S)
Rings, ideas and quotient rings, polynomial rings and Elements or field theory.
Prerequisite: MATH 354

MATH 455: Elements of Real Analysis (3) (S)
Sets and countability. The real number systems. Sequences, limits, infinire series, metric space, continuous functions, uniform continuity, and convergence and Riemann aintegration. Students are required to submit written work and make an oral presentation.
Prerequisite: MATH 275

MATH 456: Contemporary Issues in Mathematics (3) (Upon Request)
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 Chairperson.

MATH 458: Differential Equations (3) (F)
Methods 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.
Prerequisites: MATH 267 .

MATH 459: Special Studies/Seminars in Mathematics (1-3) (Upon Request)
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.

MATH 462: Mathematical Modeling (3) (F) (Formerly MATA 462)
Mathematical model building, mathematical models in physical, biological, social and behavioral sciences and economics: population models, spread of epidemics, and drug dosage. Communication and news transmission, arms race, optimization and stochastic models.
Prerequisite: MATH 257.

MATH 464: Applied Mathematics (3) (S) (Formerly MATA 464)
Orthogonal and orthonormal functions, generalized Fourier series, Trigonometric Fourier Series, and partial differential equations and their classification. Method of separation of variables. The wave equation, the heat equation, and the potential equation.
Prerequisite: MATH 458.

MATH 465: Exit Seminar in Mathematics (1) (F)
The Capstone course for Mathematics majors. Review of upper-level mathematics ropics culminating in an exit test.
Prerequisites: Senior standing.

Military Science Course Descriptions

MIS 101: Basic Military Science I (2) (F, S)
Study of the mission of the Reserve Officers' Training Corps and an orientation to the organization and roles of the U.S. Army, customs and traditions of the service, leadership, and basic first aid. One and one-half hours of Leadership Laboratory per week.

MIS 102: Basic Military Science II (2) (S)
Study of basic map reading, military correspondence, preventive medicine, and first aid. One and one-half hours of Leadership Laboratory per week.

MIS 201: Applied Leadership and Management I (2) (F)
Study of basic military skills, organization for teamwork, and practical application to develop leadership and management techniques. Instruction emphasizes self-discipline, knowledge of military subjects, and development of military skills. One and one-half hours of Leadership Laboratory per week.

MIS 202: Applied Leadership and Management II (2) (S)
Study of Army leadership doctrine, oral and written communication, basic military skills, and practical application to develop leadership skills. Instruction emphasizes self-discipline and application of military knowledge during realistic practical exercises. One and one-half hours of Leadership Laboratory per week.

MIS 236: Leader's Training Course (4) (SS)
Four-week summer course conducted at a military installation. 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 made to the Department of Military Science.*

MIS 301: Leadership and Management I (3) (F)
Instruction in 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.

MIS 302: Leadership and Management II (3) (S)
Study of infantry small-unit tactics, oral and written communication, advance military skills, and practical application to develop leadership skills. Instruction 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.

MIS 303: U.S. Military History (3) (F,S)
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.

MIS 401: Advanced Leadership and Management I (2) (F)
Study of military training, Army officer professionalism and ethics, and the conduct of unit meetings and conferences to develop leadership and management techniques. Instruction emphasizes the importance of prior preparation and self-confidence during realistic practical exercises. One and one-half hours of Leadership Laboratory per week.
Prerequisites: MIS 301, 302.

MIS 402: Advanced Leadership and Management II (3) (S)
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 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.
Prerequisites: IS 301, 302, 401.

Music Course Descriptions

MUS 015: University Basketball Band (0 or 1) (S)
The University Basketball Band serves the university Community in a supportive capacity with responsibilities for fostering school spirit at basketball 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.

MUS 101: Student Recitals (0) (F;S)
Departmental student recitals are designed to 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 on a recital per semester. Students must successfully pass six semesters of Recital Attendance in order to graduate.

MUS 103: Aural Skills I (1) (F;S)
To develop ability in sight singing and music dictation, the course includes recognition of intervals, and rhythmic, melodic dictation. The course is designed to be taken concurrently with MUS 108: Music Theory I.
Prerequisite: Music Theory Placement Exam.

MUS 104: Aural Skills II (1) (S)
A continuation of MUS 103, the course helps develop aural and visual techniques through ear training, dictation, and sight singing. The course is designed to be taken concurrently with MUS 109: Music Theory II.
Prerequisite: MUS 103.

MUS 108: Music Theory I: Introduction To Functional Harmony (2) (F; S)
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 designed to be taken concurrently with MUS 103: Aural Skills I.
Prerequisite: Music Theory Placement Exam.

MUS 109: Music Theory II: Diatonic Harmony (2) (S)
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 designed to be taken concurrently with MUS 104: Aural Skills II.
Prerequisite: MUS 108.

MUS 110: Piano Class for Beginners I (1) (F;S)
Group instruction in beginning piano for music majors whose principal performing medium is voice, or an orchestral or band instrument. Sight-reading, and improvisation will be included. This course is open to all majors.

MUS 111: Piano Class for Beginners II (1) (F;S)
Group instruction in Class Piano II is for music majors whose principal performing medium is voice, an orchestral or band instrument. Sight-reading and improvisation will be included. Continuation of the skills introduced in MUS 110.

MUS 112: Piano Class for Beginners III (1) (F)
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 will be included. Continuation of the skills introduced in MUS 111.
Prerequisite: MUS 111 or consent of instructor.

MUS 113: Piano Class for Beginners IV (1) (S)
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 will be 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 consent of instructor.

MUS 116: Introduction to Music Industry Studies (3) (F)
This survey course examines the overall function and structure of the music industry. Topics discussed 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. Course is open to all majors.

MUS 118: Music Theory Rudiments I (1) (F;S)
This course is an introduction to the fundamental materials of music theory. It includes an introduction to music notation, including pitch identification in various clefs, major and minor key signatures, as well as melodic intervals, triads and meter.

MUS 123: Voice Class (1) (S)
This one-semester course is designed to instruct singers of little or no formal training in the development of fundamental Principles and techniques of singing. Emphasis is placed on correct posture, consistent breath control, a free, yet ringing tone and diction that is clear and articulate through the performance of selected literature.

MUS 126: Voice Diction (1) (F)
The course is required of all vocal majors in the music education licensure program and in the performance concentration. Discussion and practice focuses 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.

MUS 200: University Marching Band (0 or 1) (F)
Literature for marching bands is studied and performed. Emphasis is placed on marching at grade level three and above.
Prerequisite: Successful audition before the university band staff.

MUS 202: Music Industry Practicum (3) (S) (Music Majors Only)
This course is a study of Arts Management and Presentations. Topics include development, negotiating techniques, and the professional management of arts organizations, foundations, arts education and presentations.
Prerequisites: MUS 116, MUS 208.

MUS 203: Aural Skills III (1) (F)
The course is a continuation of MUS 104, adding chromatic lines, modulation and more complex rhythms. It is designed to be taken concurrently with MUS 208: Music Theory III.
Prerequisite: MUS 104.

MUS 204: Aural Skills IV (1) (S)
The course concludes the aural skills sequence, emphasizing more difficult rhythmic and melodic patterns and harmonic dictation.
Prerequisite: MUS 203.

MUS 208: Music Theory III: Chromatic Harmony (2) (F)
A study of part-writing using chromatically altered chords of the common practice period, the course examines substitutiary harmony, borrowed chords, secondary dominants, augmented sixth chords and modulation. Analysis and composition of music using the course materials is included. It is designed to be taken concurrently with MUS 203: Aural Skills III.
Prerequisite: MUS 109.

MUS 209: Music Theory IV: Chromatic And Post-Tonal Music (2) (S)
The course 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.

MUS 210: Brass Ensemble (0 or 1) (F;S)
This is the study and performance of chamber music for combinations of brass instruments.

MUS 211: Jazz Theory (2) (S) (Offered on Demand)
Exploration of contemporary diatonic and chromatic chord progression and root motion found in current popular music styles will be discussed. 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.
Prerequisites: Completion of MUS 108, MUS 109, MUS 208.

MUS 212: The African-American in Music (2) (F;S;SS) (Open to all Majors)
Emphasis is on U.S. composers and performers, with a focus on music development/contributions from the 17th through 21st centuries. The course covers the study of folk music, blues, spirituals, gospel, jazz, rock and roll, R&B, and Rap/Hip-Hop music.

MUS 213: Church Music I (2) (F;S)
An overview of Christian church music from the Middle Ages to the Contemporary age. The music in the African American church and gospel music will also be discussed. Students will gain knowledge of various repertoires for choral groups who vary in size and Composition

MUS 214: Church Music II (2) (F;S)
Students will study the music of the congregarion, the choir, the pastor, the organ, and other instruments. On-site class participation/observation in several worship services is required. Multi-media technology for the church service will also be discussed.

MUS 215: Introduction to the Recording Studio (2) (S)
The course provides an insightful look into modern record production. Students will be exposed to recording technology history, and current careers. Classes use the on-campus professional 32-track recording and MIDI/electronic music studios. Live Sound Reinforcement will also be discussed. No previous knowledge of audio recording is required.

MUS 220: Woodwind Ensemble (0 or 1) (F;S)
This is the study and performance of chamber music for combinations of woodwind instruments.

MUS 221: String Chamber Ensemble (1) (F;S) (Offered on Demand)
This is a study and performance of string chamber ensemble literature.
Prerequisite: Consent of the instructor.

MUS 225: Music Technology (2) (F) (Music Majors Only)
Technology and MIDI applications including sequencing are introduced; topics include early synthesizers and the fundamentals of sound synthesis, oscillators, envelop generators, digital synthesizers, drum machines, and digital effects modules. Hands-on experiences will take place in the music technology/MIDI laboratory and theory lab.
Prerequisite: MUS 111, MUS 209, MUS 215.

MUS 227: Fundamentals of Music (1) (F;S)
The course is for Education majors with little experience in music. It covers the study of the rudiments of music. Activities focus on the development of skills in singing, reading music, and playing instruments used in elementary grades.

MUS 230: Percussion Ensemble (0 or 1) (F;S)
This is a study and performance of chamber music for combinations of percussion instruments.

MUS 231: String Class (1) (F)
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.
Prerequisites: Consent of the instructor.

MUS 233: Afro-Latin-American Percussion Techniques and Methods (1) (F;S) (Offered on Demand)
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.
Prerequisite: MUSA 333, and consent of Department Chairperson.

MUS 240: Collegians (Jazz Ensemble) (0 or 1) (F;S)
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 rhe large ensemble requiremenr. Performances occur on and off campus.
Prerequisite: By audition only and by permission of instructor.

MUS 250: Collegium Musicum (1) (F;S) (Offered on Demand)
This is the study and performance of Medieval, Renaissance, and Baroque choral and instrumental music.

MUS 260: Orchestra (0-1) (F;S)
The ensemble studies and performs works representative of a broad spectrum of string orchestra and symphonic orchestra literature. Participarion by string majors is required.
Prerequisite: Audition only and by permission of instructor.

MUS 300: University Choir (0 or 1) (F;S)
The University Choir is a mixed ensemble of students who perform a wide variety of standard choral literature. Performances occur regularly on and off campus.
Prerequisite: By audition only and by permission of the instructor.

MUS 304: History of American Popular Music (2) (F) (Offered on Demand)
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 special study of Jazz, Rhythm and Blues, and their beginnings.

MUS 305: Music History I – Early through Classical (3) (F)
The course is 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 Chairperson.

MUS 306: Music History II – Classical to Contemporary (3) (S)
The course traces 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 is presented.
Prerequisite: MUS 108 or permission of Chairperson.

MUS 307: A Study of Non-Western Music (1) (F) (Open to all Majors)
The course serves as 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.

MUS 308: Tonal Counterpoint (3) (F)
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. The course involves the writing of counterpoint for two and three voices.
Prerequisite: MUS 208.

MUS 309: Form And Analysis (3) (S)
The course 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.

MUS 310: Choral Ensemble (0 or 1) (F;S)
This course is designed for advanced choral students to perform works from the literature for small vocal groups. Students are selected by invitation only.

MUS 312: Orchestration (2) (S)
Study of the art of writing for the orchestra and various instrumental ensembles. Focus is on the instruments, ranges, transpositions and clef notation, timbre, technical limitations, special effects and the art of combining instrumental colors. Studies will also include vocal/instrumental arranging, score reading and transcription.
Prerequisite: MUS 208.

MUS 315: Popular Songwriting (2) (S) (Offered on Demand)
An evaluation of all aspects of song writing: creating, composing, business aspects, lyric writing, and song styles. Music industry perspectives are explored along with discussions on demo production and instrumentation of various musical styles.
Prerequisites: MUS 204, 209 or equivalent; MUS 113 or equivalent.

MUS 319: Music Merchandising & Marketing (3) (F) (Music Majors Only)
This course covers the techniques and methods of salesmanship and marketing. Focus is 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, 209.

MUS 321: Music Multimedia Applications (2) (S)
Overview and introduction of multimedia to the creation of multimedia projects. Student will be introduced to sound design for radio, video, foley studios, automatic dialogue replacement (ADR), sound effects for video, spotting cues, video cues and synchronization.
Prerequisite: MUS 209 or consent of Department Chairperson.

MUS 322: Chamber Music Literature for Strings (1) (F;S) (Open to all Majors; Offered on Demand)
This is an historical study of chamber music literature for strings alone, strings with keyboard, and strings with other instruments from Baroque through the contemporary.
Prerequisite: Permission of the instructor.

MUS 338: Conducting (1) (S)
Basic technical problems involved in conducting and interpreting instrumental and choral music are explored. Practical experiences are provided.
Prerequisite: MUS 209 or consent of Department

Chairperson.

MUS 345: Brass Class (1) (S) (Music Majors Only)
This class focuses on brass pedagogy for young players. Topics may include performance, methods, materials, history, maintenance, and, repair.
Prerequisite: Consent of the instructor.

MUS 346: Woodwind Class (1) (S) (Music Majors Only)
This is an introduction to playing and pedagogical techniques appropriate for young players. Emphasis is on the study of history, diagnostic and corrective procedures, materials, basic improvisation, and instrument maintenance and repair.
Prerequisite: Consent of the instructor.

MUS 347: Percussion Class (1) (F) (Music Majors Only)
This course examines the techniques of teaching percussion instruments, including playing and pedagogical techniques appropriate for young players, methods, materials, history, maintenance, and repair.
Prerequisite: Consent of the instructor.

MUS 354: Audio Engineering I (2) (S) (Music Majors Only)
Study of recording fundamentals including: DB and signal levels, console signal flow, microphone design and technique, signal processors, speaker design and application, remote recording, and equipment calibration. Students use the on-campus professional recording and MIDI/electronic music studios for individual projects and assignments.
Prerequisites: MUS 215, MUS 225.

MUS 355: Audio Engineering II (2) (F) (Music Majors Only)
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 MIDI/electronic music studios for individual projects and assignments.
Prerequisites: MUS 215, MUS 225, MUS 354.

MUS 357: String Pedagogy (1) (F;S) (Music Majors Only; Offered on Demand)
This course is a study of current and historical pedagogy concepts, materials, and techniques for teaching beginning through advanced string students in a private studio setting.
Prerequisite: Consent of Department Chairperson.

MUS 400: Senior Recital (1) (F;S)
This course is 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 homogeneus forms.
Prerequisite: Senior level status; Consent of the Department Chairperson and/or Applied Instructor.

MUS 401: University Symphonic Wind Ensemble (0 or 1) (F;S)
Emphasis is on the performance of wind literature. Students must be capable of playing music at grade five or above. Admission is through audition and permission of the university band staff.

MUS 408: Music Theory VII: Tonal Chromaticism to Serialism (3) (Offered on Demand)
This course is an in-depth study of post-Romantic scores and the dissolution of hierarchical structures. The students will analyze compositional techniques introduced from 1880-1945.
Prerequisite: MUS 209.

MUS 409: Music Theory VIII: Contemporary Music (3) (Offered on Demand)
This course is a study of compositional techniques since 1945. The students will study the writings of post 19th-Century music theorists including Hindemith and Schenker and analyze related scores.
Prerequisite: MUS 209.

MUS 410: Composition I (2) (S)
A study of elements of composition and writing for solo instruments or largely homogeneous chamber groups. The course emphasizes melodic forms and the organization of musical ideas. Performance of composition projects is integral.
Prerequisite: MUS 208 or consent of the Department Chairperson.

MUS 411: Composition II (2) (F)
A continuation of MUS 410, the course focuses on composition for mixed chamber ensembles and new media.
Prerequisite: MUS 410: Composition I and MUS 312: Orchestration, or consent of Department Chairperson.

MUS 412: Composition III (2) (S)
A continuation of MUS 411, the course emphasizes composition for larger and/or atypical ensembles with an emphasis on aesthetic choices in regards to orchestration.
Prerequisite: MUS 411: Composition II and MUS 312: Orchestration, or consent of Department Chairperson.

MUS 417: Music Industry Internship (3) (F;S;SS) (Music Majors Only)
This course is a six-week internship in the music industry studies field.
Prerequisite: Senior status and consent of the Music Industry Studies Instructor(s) and the Department Chairperson.

MUS 428: Piano Literature (1) (Offered on Demand)
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 consent of Department Chairperson.

MUS 429: Piano Accompanying (1) (Offered on Demand)
Techniques in the art of piano accompanying are studied.

Practical experiences in sight-reading and transposition along with accompanying soloists and various combinations of voices are examined. May be repeated for credit.
Prerequisite: Consent of Department Chairperson.

MUS 430: Piano Pedagogy (1) (Offered on Demand)
Emphasis is on 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.
Prerequisite: Consent of Department Chair.

MUS 431: Music Business Seminar (3) (F) (Music Majors Only)
This course is 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.
Prerequisites: MUS 116, MUS 202, MUS 319,and MUS 321.

MUS 435: Special Topics in Music Education (1-2) (F;S;SS)
This course focuses on one or more chosen music topics in Music Education.
Prerequisites: Junior or Senior status; consent of Department Chair.

MUS 436: Special Topics in Music Business (1-2) (F; S;SS)
This course focuses on one or more chosen music topics in Music Business.
Prerequisites: Junior or Senior status; consent of Department Chairperson.

MUS 437: Special Topics in Sound Recording Technology (1-2) (F; S;SS)
This course focuses on one or more chosen music topics in Sound Recording Technology.
Prerequisites: Junior or Senior status; consent of Department Chairperson.

MUS 438: Special Topics in Music with Emphasis in Performance (1-2) (F; S;SS)
This course focuses on one or more chosen music topics in either Performance.
Prerequisites: Junior or Senior status; consent of Department Chairperson.

MUS 439: Special Topics in Music with Emphasis in Composition (1-2) (F;S;SS)
This course focuses on one or more chosen music topics in Composition
Prerequisites: Junior or Senior status; consent of Department Chair.

MUS 440: Independent Study (1-3) (F;S;SS) (Music Majors Only)
Individual study or research under the guidance of a music faculty member is required. The Department Chairperson and Dean must approve the study plan.
Prerequisite: Senior Status.

MUS 446: Instrumental Techniques and Conducting (1) (F)
This course addresses methods of directing ensemble management, pedagogical practices and selection of literature and materials. Conducting experiences are provided. Prerequisite: MUS 338.

MUS 447: Choral Techniques and Conducting (1) (F)
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.

MUS 454: Studio Production Seminar (3) (S) (Music Majors Only)
An advanced studio practicum integrating student-recording projects with discussion on such topics as advanced audio production techniques, and audio and video production. Students will plan, organize, budget, produce, and engineer recording projects. Emphasis is placed on meeting current industry standards in artistic and technical proficiency. A studio project is required.
Prerequisite: MUS 354, 355.

MUS 456: Church Music (2) (Offered on Demand)
The course will examine repertoire for groups varying in size and Composition Hymnody, personnel, and facilities will be discussed. Audiovisual and out-of-class experiences will be examined, when feasible.
Prerequisite: Consent of Department Chairperson.

MUS 460: Digital Audio Technology (2) (F) (Music Majors Only)
Examination of the Principles of digital audio and its application in the current recording industry is discussed including digital audio fundamentals, recording and reproduction systems, and digital media including compact disc, optical disk, mastering software and digital interfaces.
Prerequisites: MUS 225 and MUS 354.

MUS Ensemble: (Small or Large) (1)

Music, Applied Course Descriptions

MUSA 011 through MUSA 094 Applied Music for Non-Music Majors (1) (F,S)
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.
Pre-requisite: By audition only and by permission of instructor.
Piano MUSA 011
Voice MUSA 025

Flute MUSA 039
Recorder MUSA 040
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
Participation in all musical ensembles is by audition only. Ensembles may be repeated for credit.

MUSA 311 through MUSA 394: Applied Music for Majors, Minors, and Special Students (1 or 2) (F;S)
Private instruction for the following instruments: piano, voice, winds, percussion and strings covering stylistic interpretation, performance health, sight-reading and improvisational techniques. Two credit hours = 50 - minute lesson, One-hour credit = 25-minute lesson. Music faculty members adjudicate all Final Examinations.
Piano MUSA 311
Voice MUSA 325
Flute MUSA 339
Recorder MUSA 340
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 by permission of instructor.

News Media Course Descriptions

See Course Listings under Journalism and Mass Communications.

Pharmaceutical Science Course Descriptions

PHSC 200: Introduction to Pharmaceutical Science (1) (F)
The purpose of this course is to increase students' awareness about the numerous opportunities in the pharmaceutical sciences: Traditional Pharmacy Practice (Community & Hospital), Industry, Government, Consultant, Managed Care, and other specialties. Guest speakers and practitioners will also present information about pharmaceutical practice. Students will conduct projects that nurture their professional growth.

PHSC 210: Medical Calculations: (1) (F)
This course will present the Principles involved in solving mathematical problems used in the practice of pharmacy and pharmaceutical sciences.
Prerequisite: MATH 165.

PHSC 220: Cultural Competency and Healthcare Communications (1) (F; S)
This course introduces the basic concepts of cultural and linguistic competency, the guidelines and mandates for cultural competency in practice, the development of cultural competency and basic concepts of culturally competent attitudes, knowledge and skills. The course will review culture-specific theories, strategies and interventions for health promotion, disease management and healthcare systems will be examined in light of culture-specific needs. This course aims to increase cultural awareness, cultural sensitivity, and cultural competency among future healthcare professionals.
Prerequisites: SPCH 314.

PHSC 300: Principles of Pharmacology (3) (S)
This course 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, toxicology, etc.).
Prerequisites: CHEM 401, BIOL 107.

PHSC 350: Medical Assessment (3) (F; S)
This course is designed to introduce students to the basic Principles and techniques of history taking and physical examination. Students in this course have an opportunity to develop the skills necessary to adequately follow the patient using physical assessment parameters and to monitor drug therapy when appropriate.
Prerequisite: BIOL 107.

PHSC 355: Healthcare Informatics (2) (F, S)
This course is an 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.

PHSC 360: Pathophysiology (3) (S)
This course is 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.

PHSC 370: Genomics & Proteomics (3) (F; S)
This class will cover fundamentals of Genomics and Proteomics. Specifically, linkage and SNP analyses (DHPLC, micro sequencing, 3rd wave), 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, sulphation as well as other modifications that can determine activity, stability, localization and turnover protein function.
Prerequisite: BIOL 390.

PHSC 380: Drug Discovery & Design (4) (F; S)
This course, with input from the pharmaceutical industry, 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 CHEM 401.

PHSC 400: Introduction to the Clinical Trials Process (2) (F; S)
This course will begin by defining clinical research and explaining why it is conducted. It will then progress to describe the different environments in which clinical research is conducted, the various research approaches that are used, and the ways in which research results are applied. The course will also describe how clinical research is used to evaluate strategies in medical practice, and how new drugs, devices, biologics, and potential environmental toxins are studied. Students will complete human subject protection certification.

PHSC 410: Clinical Trials Management & Research Methods (2) (F; S)
This course prepares the student to design and analyze randomized trials of medical interventions. Covered topics include basic study design, recruitment, randomization, masking, data collection and quality control, participant adherence, sample size considerations, data monitoring and analysis, and meta-analysis. It provides a theoretical and practical overview of the Principles of managing and monitoring clinical trials. The purpose of this course is to provide students with a comprehensive understanding of clinical trial methodology in order to prepare them for a career in clinical research.
Prerequisite: PHSC 400.

PHSC 450: Health Law & Regulatory Compliance (2) (F; S)
This course provides an introductory overview of the global regulatory requirements for clinical research involving investigational drugs and/or devices. Students will gain an understanding of the need for regulation. Emphasis is placed on pre-clinical and early phase clinical investigations conducted under the requirements of Good Laboratory Practices (GLPs) and Good Clinical Practices (GCPs). This course introduces the fundamental ethical Principles of autonomy, beneficence, non malfeasance, and justice and applies these Principles to clinical research involving human subjects. The use of unproven therapies, the use of placebos, the consent process, institutional review board submission and review processes, conflict of interests, and the costs of clinical research are covered.

PHSC 460: Clinical Technology (2) (F; S)
This course 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, dtug calculations and measurement, palm pilots, etc.
Prerequisite: PHSC 210

PHSC 480: Introduction to Bionano-technology (2) (F; S)
An interdisciplinary course to expose students to the study of systems, materials and devices that interface between engineering and the biological and physical sciences at the nanoscale with applications in the biotechnology and pharmaceutical industries.
Prerequisite: CHEM 302.

PHSC 482: Introduction to Biomedical Imaging (2) (F; S)
This course provides an overview of biomedical imaging systems and analysis. Examination of various imaging modalities, including X-ray, ultrasound, nuclear, and MRI. Microscopy including how images are formed and what types of information they provide. Image analysis

techniques, including analysis of cardiac ultrasound, mammography, and MRI functional imagery.
Prerequisites: BIOL 307.

PHSC 499: Clinical Research Seminar (1) (S)
A consideration of recent advances and problems in clinical trials and public health research with student participation and general discussion.
Prerequisite: PHSC 410.

Philosophy Course Descriptions

PHIL 250: Introduction to Philosophy (3) (F, SS)
Introductory study of core topics of philosophical concerns, human knowledge, the world, God, human freedom, morals, and politics to help students develop philosophic interests and skills in analysis of concepts basic to value decisions in education, art, religion, and life.
No prerequisite.

PHIL 251: Social and Political Philosophy (3) (S)
Contemporary and traditional problems concerned with moral evaluation of political power; individual rights, social responsibility, legal and civil authority, civil disobedience, war, and peace.
No prerequisite.

PHIL 452: Introduction to Logic (3) (F)
Techniques of formal reasoning. Emphasis on nature, forms, and functions of logical thinking. Deductive, inductive, and applied logic considered in the context of useful clarity in ordinary language.
Prerequisite: PHIL 250.

Physical Education Course Descriptions

PE 200: Theory of Coaching Football (3) (F;S)
Defensive and offensive strategies are taught. Emphasis is devoted to team conditioning, care and purchase of equipment, and public relations. Open to all students.

PE 201: Coaching Basketball (3) (F;S)
A study of fundamental concepts of coaching basketball. Emphasis is placed on offensive and defensive play, playing strategies, team conditioning, and learning rules. Open to all students.

PE 206: Coaching Baseball/Softball (2) (S)
Presents the fundamental knowledge needed to coach basketball and softball. Emphasis is placed on team organization, basic techniques, terminology, player selection and game strategies. Open to all students.

PE 208: Step Aerobics (2) (F;S;SS)
Provide 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 provide for the release of emotional and mental tension as an added bonus. This course will be required of all majors in Physical Education.
Prerequisite: GE 173. Open to all students.

PE 209: Water Aerobics (2) (S;SS)
Provides choices for exercisers who benefit from water buoyancy, which reduces joint stresses associated with weight-bearing exercise. Emphasis will be placed on adapting land-based aerobics to water as well as familiarizing students with the psychological benefits of water aerobics.
Prerequisite: Consent of teacher.

PE 210: Applied Anatomy and Physiology (3) (F)
Survey of the interrelationships between specialized human body structures and their functions. Special emphasis directed towards skeletal, muscular, respiratory, circulatory, and nervous systems. Offered for Physical Education majors. Lecture: three hours.
Prerequisites: GE 155 and 155L.

PE 210L: Applied Anatomy and Physiology Lab (1) (F)
Laboratory investigations which stress anatomical and physiological aspects of humans. Laboratory: one hour.
Prerequisites: GE 155 and 155L

PE 239: Introduction to Physical Education (2) (F)
Freshman Orientation class in Physical Education orients the student to the history of physical education, and the nature and scope of the field. This is the first theory course in the major course sequence. *Required of all majors. (Introductory Course for all majors)*

PE 240: Team Sports I (1) (F)
Designed to provide experience and practice in the skills and techniques of team sports. The sports included are football (flag), basketball, soccer, team handball, volleyball, and softball. Team Sports required for Physical Education majors. Open to Physical Education majors only.

PE 241: Individual Sports I (1) (F)
Designed to provide experience and practice in the skills and techniques of individual sports. Included are badminton, golf, and other individual and dual sports. Individual Sports required for all Physical Education majors. Open to Physical Education majors only.

PE 274: Fundamentals of Self Defense (1) (F;S)
Required course in martial arts for physical education majors. Open to all students.

PE 276: Taekwon-Do (1) (F; SS)
Required Course for physical education majors. Open to all students.

PE 300: Exercise Physiology (3) (F;SS)
Analysis of human functions under stress of muscular activity. Designed to provide a basis for study of physical fitness and athletic training.

Prerequisites: BIOL 207, 307.

PE 302: Movement Education (2) (F;S)
Required for Elementary Education majors (K-6). Designed to identify structure of the foundational knowledge of movement and the process of becoming physically educated. Emphasis is given to selection of material, teaching, and skill development of students in kindergarten through sixth grade.

PE 303: Fitness through Weight Training (2) (F;SS)
This course is a part of the General Education sequence and may be used to fulfill the physical education requirements.

PE 363: Group Games and Rhythms (1) (F;S)
Focuses attention on the role of physical education in the lives of elementary school children (grades K-6) and the responsibilities of the teacher. Special attention will be given to the characteristics of elementary school children and how physical education meets the needs as expressed by these characteristics. Activities meeting the needs at the elementary level (grades K-6) in the areas of group games and rhythms will be given emphasis. Usually taken in the Junior year by Physical Education majors as well as Elementary Education (grades K-6) majors.

PE 368: Prevention and Care of Athletic Injuries (2) (F)
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.

PE 370: Kinesiology (3) (S;SS)
Action of muscles involved in fundamental movements, calisthenics, sports, and gymnastics.
Prerequisites: BIOL 207; BIOL 307; PE 300.

PE 371: Psychology of Coaching (3) (F)
Deals with the psychological aspects of motivation and personality management as they relate to the coaching profession. Attention directed toward the role of the coach in determining the behavioral conduct of his/her team and staff.

PE 375: Management of Physical Education and Athletic Programs (3) (F)
Serves as an introduction to the basic processes of management in physical education and athletics. Special emphasis is placed 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.

PE 380-381: Sports Officiating I, II in Football & Basketball (3,3) (F;S;SS)
The psychology of officiating and the techniques of officiating will be emphasized. Mastery of knowledge of the rules will be required on a written test and in a practicum situation. Open to all students.

PE 382: Curriculum and Assessment (3) (S)
Conceptual approaches to curriculum design and assessment techniques will be discussed. Major emphasis on planning, organizing, selection, and administration. Also, interpretation, evaluation procedures, and statistical analysis of skill tests in physical education and health will be emphasized. The course is required of all Physical Education majors and is taught at the Junior level.

PE 383: Aquatic & Fitness (3) (S;SS)
Emphasis placed on the use of endurance swimming, water activities, games and sports to develop a cardiovascular fitness program in aquatics. This is a requirement for all PE majors entered into the Aquatic Fitness Track. Open to all students.
Prerequisite: GE 175.

PE 388: Lifesaving (3) (F;S)
Designed to provide the student with an opportunity to develop skills and knowledge in water safety swimming and rescue techniques that will enable him/her to save himself/herself 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 consent of Department Chairperson. Taught by ARC guidelines.

PE 389: Water Safety (2) (F;S;SS)
Designed to provide students with theory and practice in the use of methods, materials, and techniques in teaching swimming. Major course for students majoring in the Aquatics & Fitness track. Open to other students. Taught according to ARC guidelines.
Prerequisite: PE 388 or consent of teacher.

PE 401: Motor Learning and Motor Behavior (3) (F;SS)
Basic concepts underlying motor learning including neurophysical bases, feedback, perception, and other factors influencing rate, behavior, and amount of learning are emphasized. Normally taken during the senior year, it is required of all Physical Education majors.
Prerequisites: BIOL 207, PE 382, 370, and 300.

PE 403: Research in Physical Education (3) (F;S;SS)
Conducting and evaluating research as an independent study opportunity on special problems or issues relating to physical education or other areas of interest. Designed for individuals needing elective or refresher credits.
Prerequisite: Consent of instructor. Open to all students.

PE 445: History and Principles of Physical Education (3) (S)
A senior course that encapsulates the scope and significance of physical education based on knowledge gained from courses serving as the scientific basis of physical education such as history, the natural sciences, psychology, physics, and sociology. Information is parlayed into Principles, which serve as current practices in the field. Strong emphases are put on career preparation and the recognition of diverse opportunities

in the field.

PE 447: Exercise Prescription and Testing (3) Lab (1) (F;S)
Required course for all PE majors designed to reinforce the basic Principles or 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 also accompanies this course.
Prerequisites: BIOL 207, 307; PE 300.

PE 470: Adapted Physical Education (3) (S;SS)
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.
(This is the Capstone course for Teaching Physical Majors)

PE 471: Professional Seminar In Health Care Management (3) (F)
Restricted to students who are enrolled in the internship course (PE 495) unless otherwise consented by the instructor. 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.

PE 495: Practicum In Physical/Occupation Therapy (8) (F;S;SS)
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.

PE 496: Supervised Field Work In Coaching and Officiating (8) (F;S;SS)
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.

PE 499: Aquatic & Fitness Internship (8) (F;S;SS)
Provides a supervised field experience of 200 hours in applied commercial or institutional, private fitness centers.
Prerequisite: Consent of teacher.

Correctional Recreation Course Descriptions

CR 201: Introduction to Correctional Recreation (2) (S)
Explores theories of supervision and covers various theory of organizing and administering athletic programs and events in prisons, half-way houses and reformatories. Students taught how to utilize non-institutional resources and personnel in the production of athletic programs.
Prerequisite: PE 240.

CR 202: Intramural Sports (2) (S)
Course offers both theory and practice in developing and conducting intramural sports programs.

CR 301: Athletic Programs in Penal Institutions (2) (F)
Theory of organizing and administering athletic programs and events in prisons, half-way houses, and reformatories. Students taught how to utilize non-institutional resources and personnel in the production of athletic programs.
Prerequisites: Consent of Department.

CR 303: Supervision of Correctional Recreation and Athletic Facilities (2) (S)
Study of the basic philosophy and concepts of Correctional Recreation with emphasis on the value of such programs in the rehabilitative process. Emphasis is also directed toward analyzing recreational theories, appraising existing needs of penal institutions, and developing an understanding of the administration and organization of penal recreation and athletics.
Prerequisite: PE 240.

CR 304: Cooperative Training in Correctional Recreation and Athletics (1–6) "Optional Elective" (S;SS)
A summer work experience in a correctional unit. (See Department Chairperson for arrangements.)
Prerequisites: CR 202, 301.

CR 406: Seminar in Correctional Recreation (3) (S;SS)
Courses coordinated with supervised field experience. Designed to prepare advanced students for a comprehensive field practice in Correctional Recreation.
Corequisite: CR 408 or consent of Department Chairperson.

CR 408: Internship in Correctional Recreation (6) (S;SS)
Supervised field placement in a local, state, or federal correctional center for a period of 10 weeks. Interns work under the direction of an assigned site supervisor.
Corequisite: Consent of Department Chairperson.

Health 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 291/292/293: Independent Study (1; 2; 3)
Individual study or research under direction of a faculty member. Study plan must be approved by the department chairperson and dean.
Prerequisite: Consent of instructor.

HPE 491/492/493: Independent Study (1; 2; 3)
Individual study or research under direction of a faculty member. Study plan must be approved by the department chairperson and dean.
Prerequisite: Consent of instructor.

Sport Management Course Descriptions

PESM 110: Introduction to Sport Management (3)
The course is designed to introduce the students to the sports industry, differenr kind of opportunities involving sports and the economical impact of sports in the world and America in particular will be explored.

PESM 210: Introduction to Sport Sociology (3)
This course introduces students to the concept of sport sociology. Consideration is given to culture of sports, sport and socialization, sport and politics, religion and sport, sport education and social change.

PESM 211: Introduction to Sport Psychology (3)
The course is designed to study the psychological factors which impact behavior in management skills. It includes an analysis of learning process, motivation, adjustments, perception, memory, cognition, and behavior.

PESM 300: Sport Finance (3)
This course provides an introduction to financial strategies related to sport entities and organizations.

PESM 310: Sport Management Practicum (3)
A course designed to provide 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.
Prerequisites: Permission of the instructor, Junior standing.

PESM 311: Sport Marketing and Promotion (3)
Course will examine competitive market strategies as they apply to the sport industry. Emphasis will be placed on the relationship between sport products and sport markets.
Prerequisite: Junior standing.

PESM 312: Legal Issues of Sport/Rec (3)
This course introduces students to the legal structures, major laws, regulations and precedents in law in amateur athletics, professional sports and recreational sport programs.

PESM 313: Governance in Sport (3)
Topics and issues discussed involve the organizational theory, behavior and structure of various sport organizations. The evolution of power and political activity engulfing sport organizations is examined. Concepts on leadership and management related to the sport industry are presented.

PESM 410: Organization and Management (3)
The course is designed to provide majors with comprehensive and contemporary -information as they apply to managing sport organization. Special emphasis is placed on the human resource management, supervision, program development, office management, etc.

PESM 411: Facilities Management (3)
Students in this course learn the guidelines for designing, constructing, maintaining, scheduling and managing an athletic facility. They also learn the factors involved in obtaining, running, and managing athletic events.

PESM 415: Sport Sponsorship (3)
The course is designed to provide a detailed examination of the relationship between sport and corporate sponsorship.
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.
Prerequisites: Senior standing, and completion of all required courses in their area of concentration.

PHYSICS COURSE DESCRIPTIONS

PHYS 181: General Physics 1(3) (F;S)
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.

PHYS 181L: General Physics I Lab (1) (F;S)
Laboratory experiments are designed to 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.

PHYS 182: General Physics II (3) (F; S)
This course is a continuation of PHYS 181. Topics will include electrostatics and electromagnetism; wave motions involving light and sound. Lecture: three hours per week.
Prerequisite: PHYS 181L;Corequisite PHYS 182L..

PHYS 182L: General Physics II Lab (3)(S)
Laboratory experiments are designed to 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.

PHYS 191: University Physics I (3) (F)
An introductory physics course based on calculus. The course covers vectors, mechanics of particles and rigid bodies covering kinematics and dynamics. Lecture: three hours per week.
Prerequisite: MATH 157.
Corequisite: MATH 158 and PHYS 181L.

PHYS 192: University Physics II (3) (S)
This course is a continuation of PHYS 191. Topics will include heat and kinetic theory of gases, electrostatics and

electrodynamics. Lecture: three hours per week.
Prerequisites: PHYS 191L; MATH 158.
Corequisite: PHYS 182L.

PHYS 193: University Physics III (3) (F)
This course is a continuation of Phys 192. Topics will include Optics, modern physics and other physics topics that are not covered in PHYS 191 and PHYS 192. Lecture: Three Hours per week.
Prerequisite: PHYS 192.

PHYS 201: Mechanics I (3)(F)
Introduces to physics majors or minors the vector calculus and kinematics of particles. It also deals with dynamics of particles in one-dimensional problems. Lecture: three hours per week.
Prerequisites or
Corequisites: PHYS 193; MATH 256.

PHYS 202: Mechanic II (3)(S)
Develops further, the concepts built in PHYS 201. It deals with two-and three-dimensional motions more rigorously. The basic concepts of rigid body dynamics are also developed. Lecture: three hours per week.
Prerequisite: PHYS 201.

PHYS 203: Astronomy (3) (F; S)
Designed 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 the redshifts, and other phenomenological concepts concerning astronomy. Lecture: three hours per week.

PHYS 203L: Astronomy Lab (1) (F;S)
Laboratory exercises, demonstration exercises, and elementary calculations to illustrate methods used in astronomy. Some constellation study with planetarium visits and occasional evening observation. Laboratory: two hours per week.
Corequisite: PHYS 203

PHYS 211: Principles of Biophysics (3) (F)
The biological Principles of physics will be covered. Discussions will include: optics of sight, corrective lenses for long and short sightedness, physics of heart pacer, 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: three hours per week.
Prerequisites or Corequisites: PHYS 193, BIOL 102 and PHYS 211L .

PHYS 211L: Principles of Biophysics Lab (1) (F)
Students will 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.

PHYS 212: Principles of Biophysics (3) (S)
The biological Principles of Physics will be covered. Discussions will include: 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, flagellar motor. Lecture: three hours per week.
Prerequisites PHYS 211,
Corequisite: PHYS 212L.

PHYS 212L: Principles of Biophysics Lab (3) (S)
Students will 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

PHYS 301: Electricity and Magnetism I (3) (F)
Introduces to Physics majors or minors, Principles of electricity based on vector calculus. Laplace's equation and simple solutions are derived. Lecture: three hours per week.
Prerequisite or Corequisite: PHYS 193; MATH 158.

PHYS 302: Electricity and Magnetism II (3) (S)
The principles introduced in PHYS 301 are further developed in this course. 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: three hours per week.
Prerequisite: PHYS 301.

PHYS 310: Optics (3) (F)
Basic ideas of propagation of light, first considered as rays and then as waves. Such topics as intetferences, diffraction, and polarization treated in detail. Knowledge of electricity and magnetism is desirable, but not necessary. Lecture: three hours per week.
Prerequisite or Corequisite: PHYS 193; MATH 158

PHYS 320: Thermodynamics (3)(S)
Concepts of thermodynamics systems and laws of thermodynamics. Also treats the basis of kinetic theory of gases. Lecture three hours per week.
Prerequisite or Corequisite: PHYS 192.

PHYS 321: Electronics (3) (S)
Intermediate course in applied electronics. Study of basic components, circuits and systems in modern electrical instrumentation. Emphasis on transistors, Field Effect Transistors (FET) and Silicon Controlled Rectifiet (SCR). Lecture: three hours per week.
Prerequisite or Corequisite: PHYS 302.

PHYS 330: Junior Laboratory (2) (F)
Designed to introduce students to experiment verification of some principle of physics which could not be done in

General Physics/University Physics Laboratory. Laboratory: four hours per week.
Prerequisite: PHYS 192.

PHYS 433: Senior Laboratory (2) (S)
Designed to acquaint students with advanced experiments. Laboratory; four hours per week.
Prerequisite: PHYS 330.

PHYS 441: Mathematical Methods of Physics I (3) (F)
Marhematical methods and applications necessary for work in theoretical physics. Lecture: three hours per week.
Prerequisites: PHYS 193; MATH 158.

PHYS 442: Mathematical Methods of Physics II (3) (S)
Further mathematical methods and applications used in theoretical physics. Lecture: three hours per week.
Prerequisite: PHYS 441

PHYS 470: Medical Physics (3) (F)
The students will learn 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. The course also includes conventional X-ray radiology, digital radiography, computed tomography, ultrasound, and magnetic resonance imaging.
Prerequisite: PHYS 193

PHYS 481: Modern Physics I (3) (F)
Elementary modern aspects of physics involving wave packets, special relativity theory, and photo electric efforts. Lecture: three hours per week.
Prerequisite: PHYS 202

PHYS 482: Modern Physics II (3) (S)
The concepts developed in PHYS 481 are further developed in this course. The 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: three hours per week.
Prerequisite: PHYS 481.

PHYS 484: Quantum Mechanics (3) (F;S)
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.
Prerequisites: PHYS 481; MATH 458.

PHYS 486: Physics Seminar (1-3) (F;S)s
Covers subjects related to current developments in physics.
Prerequisite: Consent of Department Chairperson.

PHYS 487: Sound (3) (F;S)
Fundamentals of periodic phenomena wave motion in solid, liquid, gaseous media; introduction to acoustics. Lecture: three hours per week.
Prerequisites or Corequisite: PHYS 193; MATH 256.

PHYS 490: Physics: An Integrated Approach (3) (F;S)
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: two hours per week; Seminar: one hour per week.
Prerequisite: Senior Standing.

PHYS 499: Physics Research (1-2) (F;S)
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: Consent of Instructor/Department Chairperson.

Political Science Course Descriptions

POLS 200 Prerequisite applies to Political Science majors only.

POLS 200: Introduction to Political Science (3) (F)
POLS 200 Prerequisite applies to Political Science majors only.
Basic study of political science, its scope, methodology, structure of government, political institutions, and ideologies. Will include emphasis on the use of technology, critical thinking, and critical writing. Portfolio started.
No Prerequisite.

POLS 301: American National Government (3) (F;S;SS)
Structure and functions of the 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. Students given working knowledge of good citizenship in everyday life.
No Prerequisite

POLS 304: State and Local Government (3) (F;SS)
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. In addition, we emphasize 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.
No Prerequisite.

POLS 305: Political Theory (3) (S)
The thrust of this course is to induce students to examine, evaluate and possibly alter their personal value commitments through an exposure to varying positions that have been adopted in addressing persistent problems in political theory. Topics such as the obligation a person owes to 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 illustrative of the types of questions to be examined.
No Prerequisite.

POLS 307: American Political Ideas (3) (F)
Analysis of American ideas on law and government, authority and civil liberty, oligarchy and democracy, from the Puritans to the present time. Emphasis on the thoughts of Hamilton, Jackson, Calhoun, Lincoln, Thoreau, Belany, Henry George, Wilson, Hoover, Roosevelt, Holmes, Dewey, and others.
No Prerequisite.

POLS 309: Minorities and Women in American Politics (3) (F)
This course deals with the emerging role of minorities and women in U.S. politics and its impact on public policy.
No Prerequisite.

POLS 310: American Presidency (3) (S)
The course 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.

POLS 311: Political Science Methods (3) (F;S)
This course introduces students to fundamental methods and procedures in collecting and analyzing political data as well as interpretation and use of technology. Research on a specific political data is required. Portfolio is evaluated.
Prerequisite POLS 200.

POLS 402: Politics and Problems of Contemporary Africa (3) (S)
The course is a broad overview of politics and society in Africa. It is 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 Africa politics.
No Prerequisite.

POLS 403: American Foreign Policy (3) (S)
Study of the United States' political, economic, social, and cultural involvements in the international arena, major foreign policy decisions, their short- and long-range impact on United States relations with other countries of the world.
No Prerequisite.

POLS 404: Comparative Politics (3) (F)
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.
No Prerequisite.

POLS 483: International Relations (3) (F)
Surveys major theoretical approaches to international relations, the nature of world politics, methods and goals of diplomacy, and controls of State behavior.
No Prerequisite.

POLS 484: International Organization (3) (S)
Course explores membership in international and regional organizations, their genesis and historical evolution. Examination of the activities of governmental and non-governmental organization; 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.
No Prerequisite.

POLS 485: Internship Seminar (1)
Prior to a student departing for fieldwork, students will enroll in a one-credit course focusing on the mechanics of working in large organizations and personnel practices.

POLS 486: Internship Fieldwork In Political Science (3) (6)
Srudents will enroll in internship or fieldwork programs under the direction of a faculty member. Students will prepare and read substantial bibliography, write a major research paper or its equivalent on the internship assignment and confer regularly with the professor.

POLS 490: Independent Study or Special Problems in Political Science (1) (2) (3)
This course 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 needs to provide a detailed synopsis of the work to the Departmental Chairperson for approval before students embark on independent studies.

POLS 499: Seminar/Research in Political Science (3) (S)
This is a capstone course which utilizes knowledge accrued by the student throughout the four years of study. The student will demonstrate competence and readiness in applying knowledge, skills and abilities in the professional world. Students will formulate their own research topic and write research reports of a substantive nature. Students will 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: Senior status or approval of Department Chairperson.

PSYCHOLOGY COURSE DESCRIPTIONS

PSY 212: General Psychology (3) (F;S;SS)
This is 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 serves as a prerequisite to all other courses offered by the department. No prerequisite.

PSY 212H: General Psychology for Majors in Psychology (3) (F)
An introduction to the scientific study of psychological processes underlying behavior. Particular emphasis is placed on fundamental facts, terms and concepts in the application of the scientific method to psychological investigation. Topics for exploration include motivation, sensation, perception, cognition, learning, personality, intelligence, developmental and social processes. Matriculation in this course is suggested for students majoring in psychology and for "Honors" students.
No prerequisite.

PSY 220: Basic Research Skills in Psychology (3) (F;S)
This writing intensive course focuses on written and oral skills used in the study of psychology. The course workload includes emphasis on reviewing and summarizing journal articles and writing research papers. Course includes skill development in the utilization of library resources and American Psychological Association (APA) guidelines occurs. This course serves as the first of the core course requirements for completion of the major in psychology.
Prerequisites: GE 102, GE 103, and PSY 212.

PSY 250: Developmental Psychology I (3) (F)
This course is a comprehensive study of development from birth through adolescence. An examination of psychological and biological factors that impact development is viewed within theoretical and cultural frameworks.
Prerequisite: PSY 212.

PSY 251: Developmental Psychology II (3) (S)
This course is a comprehensive study of development from young adulthood through senescence. Changes in biological, intellectual, personality, and social process factors that impact development is explored within theoretical and cultural frameworks.
Prerequisite: PSY 212.

PSY 260: Psychology of Adjustment (3) (S)
Presented in this course is 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 are discussed. Topics covered include the self-concept, stress, mental and physical health, gender and sexuality, relationships, marriage and family, work, aging, and cultural diversity.
Prerequisite: PSY 212.

PSY 295: Topics in Psychology (3) (F)
A lecture/seminar/research series which focuses upon various selected topics in the field of psychology.
Prerequisite: PSY 212 and consent of instructor.

PSY 300: Statistics and Research Design (3) (F;S;SS)
This course introduces the student to psychological research, including research design, descriptive and inferential statistics, and the use of computers in psychology. Statistical techniques are utilized to describe the data and the testing of hypotheses in psychological research.
Prerequisites: GE 115, PSY 212, and PSY 220.

PSY 302: Human Development (3) (F;S;SS)
This course is designed to provide the student with a basic understanding of human development from infancy through adolescence. A major objective of this course is to provide an overview of major concepts and research findings regarding children's psychological development as it relates to making decisions regarding their education and schooling. Additionally, this course provides Education majors with the developmental knowledge useful in responding to today's diverse student population.
Prerequisites: PSY 212 and Admission to the Teacher Education Program if an Education major.

PSY 309: Educational Psychology (3) (F;S;SS)
Application of psychological Principles and concepts to the teaching and learning process. Provides students with theories, research, and practices and the implications for education. Emphasis is placed on human developmental

processes, individual differences, learning theories and practices, motivation, classroom management, and educational assessment.
Prerequisites: PSY 212 and Admission to Teacher Education Program if an Education major.

PSY 311: Psychological Tests and Measurement (3) (S)
Surveys the field of psychological tests with attention to measures of intelligence, attitude, personality, and interest. Test construction, validation, and standardization are reviewed. Laboratory experiences include the administration, the scoring, the interpretation and use of test results.
Prerequisites: PSY 212, PSY 220, and PSY 300.

PSY 330: Psychology of Personality (3) (F)
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.

PSY 340: Psychology of Cultural Diversity (3) (F)
This course presents a 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 250 or PSY 251

PSY 350: Experimental Psychology (3) (F;SS)
This course provides an introduction to the methods of science in psychology. Through lecture and laboratory experiences, the development, design, interpretation, and reporting of psychological research is examined.
Prerequisites: PSY 212, PSY 220, PSY 300.

PSY 360: Abnormal Psychology (3) (S)
A systematic appraisal of the development of human behavior that focuses on the contribution of biological and social factors to psychological and psychopathological expression. The course includes an examination of the formation of deviancy and current diagnostic procedures. Also presented are clinical cases, treatment modalities, and legal and social issues.
Prerequisite: PSY 212.

PSY 370: Physiological Psychology (3) (S)
The study of anatomical and physiological basis of behavior. An emphasis is placed on the function of nervous, sensory, motor, and endocrine systems in motivation, emotion, perception, and learning.
Prerequisites: GE 155, PSY 212, and PSY 350.

PSY 380: Psychology of Group Behavior and Inter-group Conflict (3) (S)
This course considers theory and research examining how human behavior is influenced by group membership. Application to the group influence in business, industry, politics, and education are discussed. Topics of the course 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.

PSY 400: Sensation and Perception (3) (F;S)
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.
Prerequisites: PSY 212, PSY 220, and PSY 300.

PSY 406: Principles of Guidance (3) (F)
An overview of the organization, administration, and operation of guidance services in elementary, middle and secondary schools. This course includes a laboratory experience in guidance that is provided at the various levels through the utilization of ten hours of classroom observations.
Prerequisite: PSY 212.

PSY 407: Community Psychology (3) (F)
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 are addressed. This course considers the application of psychological Principles to overall community interaction.
Prerequisites: PSY 212/SOC 201.

PSY 410: Industrial/Organizational Psychology (3) (F)
The application of psychological Principles to a variety of human problems in industry and organizations. Among the 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.

PSY 420: Counseling Principles and Practices (3) (S)
An introduction to current counseling theories and expanded treatment practices. Course participants are provided with a conceptual framework for implementing representative approaches in diverse counseling settings. There is an emphasis on meeting client needs by maximizing personal and academic development through the counseling process.
Prerequisite: PSY 330 or PSY 360.

PSY 450: Learning and Cognition (3) (S)
An investigation of the manner in which new information is acquired and retained and how this affects learning acquisition. Emphasis is placed on research methodology, findings, and the appropriate application to human learning and thinking.
Prerequisites: PSY 212, PSY 220,and PSY 350.

PSY 480: Practicum in Psychology (3) (S)
Student majors in psychology must spend 36 hours of laboratory/field experience under the joint supervision of a field supervisor and a member of the departmental faculty. Emphasis is on 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 internship.
Prerequisite: Psychology major in senior year and consent of the Departmental Chairperson.

PSY 490: Senior Seminar in Psychology (3) (F;S)
Explores psychological concepts and issues through research projects. The student is required to present individual reports of findings and to defend research results. This course serves as the Capstone course for completion of the major in psychology.
Prerequisites: PSY 350 and Psychology major in senior year and consent of the Departmental Chairperson

Public Administration Course Descriptions

PAD 200: Introduction to Public Administration (3) (F;SS)
Introductory course dealing with basic concepts in the Public Administration such as democracy, bureaucratic power, federalism and intergovernmental relations, public management and the challenges of current and future public administration, its functions, problems and theories.
No Prerequisite.

PAD 301: Public Personnel Administration (3)
A study of human resource management in the public sector; the emphasis is on personnel administration, recruitment, retention, merit system, labor relations, recruitment, retention, training and development of public personnel.
No Prerequisite.

PAD 302: Public Finance and Budgeting (3)
An examination of public budgetary theory and process, models of public budgeting, revenue systems, debt and resources management, fiscal and monetary policies and legislative role in the budget process.
No Prerequisite.

PAD 400: Organizational Theory and Behavior (3)
A course designed to provide an even handed, balanced appreciation of the different perspectives that have contributed to our knowledge about behavioral aspects of organizations including organizational change and leadership in organizations.

PAD 401: Introduction to Public Policy (3)
A study of the making of models, politics, process and evaluation of public policy in the United States. This course includes case studies of public sector areas such as: monetary, education, criminal justice, immigration, tax, environmental, defense policy and health and human services.

PAD 402: Internship in Public Administration (3)
Prerequisites: Senior status and consent of advisor. Students are assigned to public agencies in their area of interest. Students are expected to participate in staff and internship conferences.

Public Health Course Descriptions

PHS 110: Introduction to Public Health (3) (F; SS)
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.

PHS 210: Community Health, Safety, and Disease (3) (S; SS)
Health, safety, and disease trends and challenges in various communities are reviewed. This course requires students to study and research in diverse or unfamiliar communities via direct experiences. Recommended: Any physical, natural, or social science course.

PHS 310: Environmental Health and Sanitation (3) (F; SS)
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 are covered. Participation in direct experiences is required.
Prerequisites: PHS 110 or PHS 210. Can be taken concurrently with PHS 110.

PHS 322: Principles of Epidemiology (3) (F; S;SS)
This course 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.

PHS 410: Public Health and Bioterrorism (3) (S; SS)
Bioterrorism and related topics will be fully explored via direct experiences. Study, research, and integration into diverse or unfamiliar communities is required. Can be taken concurrently with PHS 410.
Prerequisites: Professional health care or community service experience or PHS 110 or PHS 310. Requirement: An ability to develop, use and interpret a wide variety of graphical material.

PHS 420: Local Public Health Agency Field Experience (3) (F; S; SS)
Placement in a local public health agency of the student's choice is required. Each student assists in the development of his/her placement which reflects the student's

particular areas(s) of interest.
Prerequisite: Consent of instructor and participating agency and completion of the PHS series: PHS 110, PHS 210, PHS 310, and PHS 410

PHS 421: State PHS Agency Field Experience (3) (F; S; SS)
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/her placement which reflects the student's particular areas(s) of interest.
Prerequisite: Consent of instructor and participating agency, completion of 12 hours of Public Health courses.

PHS 422: Federal PHS Agency Field Experience (3) (F; S; SS)
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: Consent of instructor and participating agency, completion of 12 hours of Public Health courses.

PHS 423: Non-Profit Organization Field Experience (3) (F; S; SS)
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: Consent of instructor and participating agency, completion of 12 hours of Public Health courses.

PHS 424: Private Corporation PHS Field Experience (3) (F; S; SS)
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: Consent of instructor and participating agency; completion of 12 hours of Public Health courses.

PHS 425: International PHS Field Experience (3) (F; S; SS)
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.
Prerequisite: Consent of instructor and participating agency, completion of 12 hours of public health courses.
Requirements: valid passport, updated and complete immunization record, ECSU travel waiver, life insurance, international travel insurance, demonstrated cultural familiarity, demonstrated commitment toward promoting improvements in health, safety, and sanitation in diverse communities.

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.

Retirement Planning Course Descriptions

See Course Listings under Banking & Finance.

Social Work Course Descriptions

SOWK 20S: Introduction to Social Work (3) (F; S)
No Prerequisite. Introduces students to the profession, methods, values, fields and contexts of social work practice in the United States.

SOWK 210: Fundamentals of Interviewing (3) (F; S)
No Prerequisite. Introduces students to the various skills needed in conducting professional interviews. Special emphasis on communication skills, verbal and non-verbal behaviors and professional observations (first course in the professional social work practice sequence).

SOWK 220: Human Diversity (3) (F; S)
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.
No Prerequisite

SOWK 250: Introduction to Social Welfare (3) (F)
Introduces students to the development of the social welfare system in the United States. Special emphasis is placed on the historical background of social welfare and the emergence of the social work profession in urban and rural areas.
Prerequisite: SOWK 205, 210 and 220.

SOWK 260: Human Behavior in the Social Environment I: Childhood and Adolescence (F) (S)
This course is 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.
Prerequisites: SOWK 205, 210 and 220.

SOWK 280: Introduction to Gerontology (3) (F)
This course is designed to demystify myths and provide realities about the aging process. Students are introduced to organizations and community resources that assist the elderly. Insights into the field of gerontology, ageism, aging, and the elderly will be explored.
No Prerequisites.

SOWK 342: Crisis Intervention (3) (S)
This course is designed to teach students to recognize and intervene appropriately in crisis situations. Students will learn basic crisis intervention skills.
Prerequisites: SOWK 205, 210, 220, 250 and 260.

SOWK 343: Social Work with Children (3) (F)
The course focuses on the contemporary status, problems, needs and services for children. Psychosocial development, intervention skills and techniques and theories are also emphasized in this course.
Prerequisites: SOWK 205, 210, 220, 250 and 260.

SOWK 363: Social Work Practice I: Organizations and Communities (3) (F)
This course introduces students to the generalist social work practice with organizations and communities in rural areas. This course also focuses on community organizations and development, human service systems, agency supervision, and program assessments (the second course in the professional social work practice sequence).
Prerequisites: SOWK 205, 210, 220, 250, and 260 and Admission to the Social Work Program.

SOWK 370: Social Welfare Policy (F; S)
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.
Prerequisites: SOWK 205, 210, 220, 250 and 260 and Admission to the Social Work Program.

SOWK 372: Human Behavior in the Social Environment II: Adulthood (F; S)

This course is part two of a sequence of two 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. This course focuses on young to later adulthood.
Prerequisites: SOWK 205, 210, 220, 250, 260 and Admission to the Social Work Program

SOWK 385: Spirituality and Social Work Practice (3) (F)
This course will examine various religions and doctrines that will strengthen or empower clients coping skills. Students will be able to obtain knowledge on the impact of spirituality and religion and the application of counseling, assessment goal-setting, intervention and evaluation skills required for generalist social work practice.
No Prerequisite.

SOWK 390: Research Methods in Social Work (F; S)
This course introduces students to the social work research process. Topics in this course 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. Quantitative and qualitative methods of research will also be emphasized in this course.
Prerequisites: SOWK 205, 210, 220, 250, 260, SOC 245 and Admission to the Social Work Program.

SOWK 395: Women and Religion (3) (S)
This course will examine women's historical and contemporary beliefs, practices and roles as it relates to religion and gender issues.
No Prerequisite.

SOWK 400: The Aged and Society (3) (S)
This course provides an overview of information about social security, housing, long-term care and activities of daily living as it impacts the elderly population.
Prerequisites: SOWK 220, 280 and 372

SOWK 440: Perspectives on Death and Dying (3) (F)
This course provides historical and contemporary perspectives on death and dying. Students will explore various theoretical frameworks for understanding death, dying and bereavement.
Prerequisites: SOWK 260 and 372

SOWK 442: Social Work Practice II: Individuals, Families, and Groups (3) (S)
This course focuses on generalist social work practice with individuals, families and groups in the rural context. Students will apply the Generalist Intervention Model to work with various sized systems. This course must be successfully completed before enrollment in SOWK 444.
Prerequisites: SOWK 205, SOWK 210, SOWK 220, SOWK 250, SOWK 260, SOWK 363, SOWK 370, SOWK 372 and Admission to the Social Work Program.

SOWK 444: Social Work Field Education and Seminar I (6) (F)
This course involves the placement of students in selected human service agencies. A total of 220 hours is 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 are provided an opportunity to integrate theory and practice, discuss pertinent issues and concerns, and to share new insights as it relates to the social work profession. Special emphasis will focus on knowledge, values and skills of generalist social work practice.
Prerequisites: Completion of all pre-professional and professional social work courses, SOWK 442 and permission from the Director of Field Education.

SOWK 445: Social Work Field Education and Seminar II (6) (S)
This course is a continuation of the Field Education Experience (SOWK 444). A total of 220 hours is required for the completion of the second half of the Field Education Experience. Students are provided an opportunity to discuss pertinent issues and concerns. Special emphasis is focused on the application of theory, intervention techniques, policy, research and the use of

the professional self.
Prerequisites: Completion of SOWK 444 and Permission from the Director of Field Education.

SOWK 450: Life and Living: Coping with Dying (3) (S)
This course is designed to focus on intervention techniques for helping individuals cope with death, dying and bereavement. Emphasis will focus on legal, conceptual and moral issues facing survivors readjusting to society after a loss.
Prerequisites: SOWK 260, SOWK 372, SOWK 400 and SOWK 440.

SOWK 469: Independent Research for Special Populations (3) (F; S)
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.
Prerequisites: SOC 245 and SOWK 390 or related research course.

Sociology Course Descriptions

SOC 201: Introduction to Sociology (3) (F; S)
Understanding of the nature of sociology as a social science and the core of the sociological perspective or "sociological imagination"; the key concepts and theories of sociological analysis, and the structure and the changing nature of America's culture and social institutions.
No Prerequisite.

SOC 202: Social Problems (3) (F; S)
Different perspective of defining and analyzing social problems, 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.
No Prerequisite.

SOC 204: Introduction to Anthropology (3) (F)
Introduction of the four sub-disciplines in anthropology (cultural anthropology, linguistics, archaeology and physical anthropology). Through ethnography, Cultural Anthropology studies cultural beliefs and practices among past and contemporary human societies. Linguistic anthropologists study communication patterns of various cultures. Archaeologists study material culture for the reconstruction of past cultural systems. Physical anthropologists study the biological variation of human populations within an evolutionary framework in addition to forensic studies.
No Prerequisite.

SOC 245: Social Statistics (3) (F)
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.

SOC 297: Social Research Methods (3) (S)
The nature and the philosophy of the methodology of social sciences, the nature of causality in social sciences, theory-research connections, competing methods of social research, techniques of social surveys, and understanding and analyzing of GSS (General Social Survey) data, and research-policy connections.
Prerequisite: SOC 245.

SOC 302: Race and Ethnic Relations (3) (F; S)
Study of 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), 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.
No prerequisite.

SOC 305: Sociology of the African-American (3) (S)
The historical nature of the formation of African-American families, shifting structure and nature of African-American families in the post-civil rights era and the emerging service economy in the United States.
No Prerequisite.

SOC 306: Urban Sociology (3) (F)
The emergence and the evolution of cities, the historical nature of urbanization in America, theories of urbanization and "urbanism as a way of life," and the emergence of new cities in the context of globalization; and the social and cultural impact of cities and suburbanization.
Prerequisite: SOC 297.

SOC 360: Social Psychology (3) (S)
Study of individuals and society from a socio-psychological perspective, particularly, the influence of society on individuals, personality development, adult socialization, role behavior, self-evaluation, and conformity behavior.
Prerequisites: SOC 201, PSY 212.

SOC 385: Social Theory (3) (F)
The nature and 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.

SOC 401: The Family (3) (S)
The history, origin, structure, functions and roles of families as a core social institution.
Prerequisite: SOC 385.

SOC 412: Social Stratification (3) (S)
The nature and characteristics of social stratification, theories of social stratification, the rise of anew 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.

SOC 481: Population (3) (S)
Composition and characteristics of population; population processes; fertility, mortality, and migration; trends in population growth, the nature of contemporary global migration, and social and economic impact of population changes, and the problem of graying America.
Prerequisite: SOC 385.

SOC: 488: Seminar in Sociology (3) (F; S)
Comprehensive survey of fields of sociology with emphasis on independent study and group discussion of recent developments and trends. Independent reading and research on a topic to be selected under the supervision of an instructor. Papers and oral reports as appropriate.
Prerequisites: SOC 297 and 385

Space Science Course Descriptions

See Course Listings under Aviation Science.

Spanish Course Descriptions

SPAN 101/102: Elementary Spanish (3/3) (F;S;S)
Basic grammar, pronunciation, and reading for vocabulary building and conversation. Laboratory practice required for all students.

SPAN 201/202: Intermediate Spanish (3/3) (F;S)
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.
Prerequisites: SPAN 101, 102 or advanced placement (as determined by the instructor).

SPAN 301/302: *Survey of Spanish Literature (3/3) (F;S)
Great works of literature representing Spanish and Spanish American writers are studied.
*Prerequisites: SPAN 201, and SPAN 202 or advanced placement. (as determined by the instructor). *Recommended for students who anticipate graduate study requiring foreign language reading proficiency.*

Speech Course Descriptions

SPCH 201: Voice and Diction (3) (F)
This course introduces Principles of enunciation, elocution, voice development and improvement, vocal variety and expressiveness. Focus is on various aspects of using the voice effectively, including volume, projection, rate and phrasing, inflection and resonance. A cursory study of the International Phonetic Alphabet is presented.

SPCH 214: College Speech (2) (F; S)
This is an introductory course to the Principles of rhetoric, organization, style, and delivery as employed in formal public speaking.

SPCH 312: Oral Interpretation of Literature (3) (F)
Study and practice in analysis and presentation of literature through oral interpretation. Techniques of oral reading studied and applied in classroom assignments and demonstrations. Course especially designed for future teachers of English and language arts, as well as students of the drama.
Prerequisites: GE 103 or GE 105H; GE 201, 202 or 203H, 204H and speech proficiency to be determined by instructor.

SPCH 314: Public Speaking (3) (F;S;SS)
This is a study of the Principles of rhetoric, organization, style, and delivery as employed in the formal public speaking mode. Students will present speeches that inform and persuade. Delivery techniques and impromptu theories of public address are introduced.

SPCH 316: Argumentation and Debate (3) (F)
This course is designed to enhance 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 delivery of arguments in debates, critiquing the arguments of others.

Speech Pathology Course Descriptions

SPPA 190: Introduction to Communication Disorders (3) (F; S)
This course is a study of the various types of disorders commonly encountered by persons in the speech, language and hearing professions. Topics include normal conditions and disorders, and the roles and responsibilities of professionals who diagnose and treat these disorders.

SPPA 200: Introduction to Phonetics (3) (S)
This course is designed to provide students with a basic understanding and workable knowledge of the International Phonetic Alphabet as an important tool in the speech and hearing professions. Mastery of the underlying Principles as well as practical applications is stressed.

SPPA 250: Sign Language I (3) (F)
This course is a beginner-level course in sign language. It is designed to introduce manual communication to those who have no prior experience in signing. It teaches finger spelling and establishes a vocabulary of signs.

SPPA 251: Sign Language II (3) (S)
This course is designed for those who have a basic

knowledge of the Principles and use of manual communication using signs, and who desire to increase their skill level.
Prerequisite: Grade of "B" or better in SPPA 250 Sign Language - I.

SPPA 255: Speech and Language Development (3) (S)
This course seeks to explain the nature of human symbolization. Areas of study include the acquisition and development of language in children, the role of spoken and written language in society, and an exploratory look at how language determines cultural factors and human perceptions of reality.

SPPA 260: Theory and Observation in Speech Pathology (3) (F; S)
Clinical observation and an overview of underlying Principles of speech pathology offer a non-threatening introductory component of the clinical process. This course presents the initial foundation for clinical practicum.

SPPA 300: Speech and Hearing Science (3) (F)
This course is an introduction to the physiology, , acoustics and perception of speech. Voice quality, pitch and onset time will be included.

SPPA 330: Introduction to Audiology (3) (S)
This course emphasizes as a professional individual unit of communication sciences and disorders. It offers a study of the anatomical, psychological, and physiological aspects of hearing as well as a survey of those pathologies that result in hearing loss. Students will engage in the practice of administering basic tests to determine the extent of hearing loss.

SPPA 351: Anatomy and Physiology of the Speech Mechanism (3) (F)
This course is an in-depth study of the organs, systems and structures of the body that contribute to the production and reception of speech, specifically the relationship between respiration, phonation, articulation, resonance and audition.

SPPA 352: Articulation and Phonological Disorders (3) (F)
Emphasis is on the cause, diagnosis, and treatment of the nature and prevalence of articulation and phonological disorders, particularly in children.

SPPA 353: Disorders of Voice (3) (S)
This course is a broad introduction to the field of functional and organic voice disorders. It surveys the nature and cause of these disorders, the problems encountered by persons exhibiting such disorders, and diagnosis and rehabilitative techniques.
Prerequisite: SPPA 351.

SPPA 450: Aural Rehabilitation (3) (F)
This course addresses current trends and procedures in treatment of persons who are deaf or hard of hearing including speech-reading, hearing conservation and auditory training. Therapy procedures as well as amplification devices are considered. Information is drawn from professional journals and articles.
Prerequisite: SPPA 330.

SPPA 451: Methods and Materials in Clinical Practicum I (3) (F)
A "hands-on" approach to the evaluation, diagnosis and remediation of speech and language disorders is introduced. This course includes comprehensive report writing and presentation of therapeutic techniques through practical application.
Prerequisite: SPPA 352.

SPPA 452: Methods and Materials in Clinical Practicum II (3) (S)
The student assumes an independent role as speech clinician in the evaluation and therapy processes. Opportunities for services will come from the ECSU community, health-fair participants and SPPA student participation in a consortium with Norfolk State University Speech and Hearing Clinic.
Prerequisite: SPPA 451.

SPPA 453: Disorders of Language (3) (F)
Concentration is on the various disorders associated with the inability to develop or utilize language effectively. Delayed language development in children due to mental retardation or emotional difficulty and childhood aphasia are among the topics considered.

SPPA 462: Physiogenic Disorders (3) (S)
The course offers an introduction to various physiogenic disorders that impact speech communication. A working knowledge of the anatomy and physiology of the speech and hearing apparatus is necessary. Embryology is a primary focus of the course.
Prerequisite: SPPA 351.

Statistics, Applied Course Descriptions

STAT 251: Basic Statistics I (3) (F; S)
Collection and organization of data. Numerical descriptive measures of data. Probability and probability distributions, including normal approximation of binomial. Sampling distribution of mean. Estimation and hypothesis testing of one mean and one proportion. Simple linear regression and correlation. Use of at least one computer-based statistical package.
Prerequisite: GE 115.

STAT 252: Basic Statistics II (3) (S)
Estimation and hypothesis testing of two means and two proportions. Multiple regression. Chi square tests. F-test and analysis of variance. Non-parametric and distribution free methods. Sampling techniques. Use of at least one computer-based statistical package.
Prerequisite: STAT 251.

STAT 351: Probability and Statistics I (3) (F; S)
Probability theory. Random variables and probability functions. Expectation, moments, and moment generating function. Regression and correlation.
Prerequisite: MATH 265 or MATH 153.

STAT 352: Probability and Statistics II (3) (S)
Estimation and hypothesis testing theory. Analysis of variance. Simple and multiple regression. Analysis of categorical data. Non-parametric methods.
Prerequisite: STAT 351.

Technology Course Descriptions

TECH 100: Principles of Technology (3) (F)
A comprehensive introduction to technology, computer literacy, problem solving, scientific calculator and application of computer in preparing documents and basic plotting and analysis of data.

TECH 105: Computer-Aided Drafting I (CAD I) (3) (S)
Students will be introduced to principal of drawing, including sketching, graphing, orthographics projection, section views, and pictorial views and introduction to principal of Computer Aided Drafting (CAD) and using CAD to produce professional quality drawings.

TECH 205: Electrical Circuits with Lab (4) (F)
This course will introduce students to fundamentals of direct (DC)and alternating current (AC). Topics include Principles of electricity, safety, direct current components, circuit fundamentals and analysis, magnetism and an introduction to AC characteristics, AC components, AC series/parallel circuits (RC, RL, LC, RLC), transformers and passive filters. Computer-based circuit modeling and circuit drawing are covered.
Prerequisite: GE 115 or ENGT 100.

TECH 220: Computer-Aided Drafting II (CAD II) (3) (F)
A comprehensive study of CAD systems components, 3-D modeling techniques, surface modeling, parametric solid modeling, multi-part drawing, and assembly drawing. Designs using advanced CAD software package are covered.
Prerequisite: TECH 105.

TECH 235: Analog Electronics with Lab (4) (S)
This course covers topics in semiconductor devices theory and analog electronics devices and circuits such as diodes, rectifiers, filters, BJT, FET, operational amplifiers, oscillators, transducers, optoelectronics, thyristors, A/D and D/A converter and their major applications. Computer-based circuit simulation are used.
Prerequisite: TECH 205.

TECH 310: Mechanical Systems (3) (F)
Principles and applications of mechanical systems. Content includes: kinematics-rectilinear motion, kinematics-angular motion, plane motion, kinetics, work, energy and power, impulse and momentum, applications to shafting, springs, screws, belts, clutches, brakes, chains, lubrication, ball and roller bearings, and gears.
Prerequisites: PHYS 181 and GE 118.

TECH 335: Digital Electronics (4) (F)
In this course students will be introduced to basic logic gates, Boolean algebra, and digital circuit design techniques. They will construct and test fundamental digital logic circuits such as registers, counters, oscillators, memory system, and switches. Students will implement combinational logic and sequential logic designs using MSI and LSI IC's. Emphasis is on hands-on activities, real-world equipment, and current technology. Computer-based circuit simulation are covered.
Prerequisite: TECH 205

TECH 350: Occupational Safety (3) (F)
This course provides a working knowledge of Industrial Hygiene and Safety equipment. It is intended to help students to recognize, analyze, and evaluate specific health hazards in industrial settings. Development of safety standards, the Occupational Safety and Health Act (OSHA), its rules and regulations; penalties for non-compliance are also presented.

TECH 355: Electromechanical Control (3) (S)
Study of DC, AC motors and integrated electrical, electronics, mechanical, logical systems and Programmable Logic Controllers (PLC) applied to industrial control of machinery and various industrial processes.
Prerequisite: TECH 235.

TECH 365: Microprocessors I (3) (S)
Study of Intel Microprocessors (8085/8086/8088) architecture, design, and an introduction to assembly language programming using Microsoft Assembler (MASM). Topics include microprocessor data path, programming logic devices (PLDs), memory interfacing, Analog-to-Digital (ADC), Digital-to-Analog (DAC) ICs, and peripheral controllers. Labs using 8086-based trainer kit and assembly language programming are also covered.
Prerequisite: TECH 335, MATH 153.

TECH 400: Operations Management (3) (F,S)
Designed to acquaint students with the spectrum of industrial management. Content includes organization, economics, optimum use of capital, and management of operations.

TECH 405: Automation and Robotics (4) (F)
Study of robotics, sensors, vision systems, CNC and control system used in an automated manufacturing environment to perform industrial functions.
Prerequisite: TECH 355.

TECH 410: Project Management (3) (S)
The study of the philosophy, concepts, and practices of determining the cost of manufactured products and engineering projects. Content includes: engineering design and modeling, structural approach, forecasting, detail methods, product estimation, system estimation,

and optimization.
Prerequisites: STAT 251.

TECH 415: Plant Layout and Materials Handling (3) (S)
Study of plant layout to obtain the most effective utilization of space for materials and machines. Introduction to techniques of transporting, transferring, self-loading, and bulk-handling of industrial materials.
Prerequisite: TECH 220.

TECH 420: Advanced Electronics Systems (3) (F)
Course will cover advanced topics in electronics system and subsystem reliability, preventive maintenance and corrective maintenance including symptom and failure analysis and fault troubleshooting methods. Basic support characteristics of selected electronic based systems would be used as examples including avionics, RF communications and instrumentation.
Prerequisite: TECH 365

TECH 420: Computer-Aided Manufacturing (4) (F)
ENGT 210This course covers application of computers to operate equipment for manufacturing (CNC Machining and Turning Centers), Blueprint reading, CNC Programming, G Codes, planning, justification, equipment selection, and operating guidelines.
Prerequisites: TECH 220, ENGT 210.

TECH 435: Mechanical Design (3) (S)
A study and practice of the design criteria of mechanical systems, devices, and structures. Content includes: Computer aided design-based analysis of statics and dynamic design criteria of fasteners, weld, spring drives, power transmission, bearings, bolts, and structures.
Prerequisite: TECH 220,TECH 310.

TECH 450: Quality Assurance (3) (F)
Study of quality control and its applications. Content includes: economics and specification of quality, organization, acceptance, assurance, statistical control methods, and policies and objectives.
Prerequisite: STAT 251.

TECH 455: Senior Seminar (1) (F)
This course covers topics in practical application aspect of technology and prepares students for senior project course. Students will perform the initial research needed for the senior project course, and the preparation of the written proposal. The students are expected to do extensive research on a project, which is decided upon consultation with the instructor and other students. The goal of this course is to develop a formal proposal for a project that will be developed in TECH 499 in the following Semester. *Prerequisite: Senior status.*

TECH 465: Microprocessors II (4) (F)
Study of microcontroller-based applications, PIC microcontroller architecture and interfacing. Topics include a review of microprocessor-based controller and data processing computer systems and associated peripheral devices and control software, I?O port operations and programming, basic transducers and actuator interfaces including ADC and DAC. PicBasicPro compiler and meLabs programmer will be introduced for programming microcontroller chip. Labs and a project using PIC microcontrollers are also covered.
Prerequisite: TECH 105

TECH 477: Research in Industrial Technology (3) (F;S;SS)
Students assigned to areas of interest for the purpose of investigation, problem-solving, and increasing competency. Faculty members who possess knowledge and skill in the student's area of interest assign laboratory time and hold regular conferences with students for purposes of counsel, demonstration, and evaluation.
Prerequisite: Junior status.

TECH 488: Internship/Cooperative Training in Industry (3-6) (F;S;SS)
Designed to provide employment experiences in the field of Industrial Technology specialization at appropriate intervals in the curriculum.
Prerequisite: Consent of the Department Chairperson.

TECH 499: Industrial Technology Senior Project (3) (S)
A Capstone course exercising upper level course work involving independent or group design projects. Students are required to collect data and synthesize a mechanical or electrical design necessitating the use of a computer. Submission of written reports and final oral presentation are required. The project must include the use of the CAD, PLC, Electronics and Mechanical software, microprocessors and some type of assembly or manufacturing process where needed to complete the project.
Prerequisites: Senior Status, TECH 455.

Engineering Technology Course Descriptions

ENGT 100: Introduction to Engineering Technology (3) (F)
An introduction to the different disciplines within engineering technology, computer literacy, mathematics, problem solving techniques, use of scientific calculators, communication and application of computer in preparing documents and plots and basic analysis of electronic circuits.

ENGT 103: Introduction to Engineering Technology (3) (F)
An introduction to the different disciplines within engineering technology, computer literacy, mathematics, problem solving techniques, use of scientific calculators, communication and application of computer in preparing documents and plotting curves.
Prerequisite: GE 115.

ENGT 205: Circuit Analysis (4) (F)
This course will introduce students to 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 simulation are covered.
Prerequisite: GE 118 or ENGT 100.

ENGT 206: Circuit Analysis with Lab (4) (F)
This course will introduce students to 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, passive filter design techniques. Compurer-based circuit modeling and circuit drawing are covered.
Prerequisite: GE 118 and ENGT 103.

ENGT 210: Materials and Processes (4) (F)
This course covers topics on structure of matter, physical, and mechanical properties of ferrous metals, nonferrous metals, heat treatment, polymers and elastomers, wood and wood products, ceramic and glass, cement, concrete, asphalt, composites, adhesives and coatings, fuels and lubricants, Principles of mechanical and nondestructive testing. Conceptual understanding of manufacturing and processing of materials are introduced.

ENGT 215: PC Support Technology (3) (S)
This course covers basic personal computer system support including installation, configuration, and preventive maintenance, and troubleshooring 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.

ENGT 235: Analog Circuits with Lab (4) (S)
This course introduce students to three dimensional techniques, surface modeling, parametric solid modeling, multi-part and drawing, design and drafting of mechanisms and machines using shaft, gear, fasteners, bushings, bearings and couplings. Prerequisite: TECH 105.

ENGT 235: Analog Circuits (4) (S)
This course covers topics in analog devices and circuits. Analog devices such as diodes, BJT, FET, UJT, thyristors (SCR, TRIAC, DIAC), and operational amplifiers are covered in detail. The analog circuit applications such as rectifiers, doublers, multistage amplifiers, basic op-amp circuits, oscillators, A/D and D/A converters are also covered. In addition, a course project will be used to introduce studenrs ro computer-based circuit design, simulation, and layout.
Prerequisite: ENGT 205.

ENGT 230: Material Science (3) (F)
Emphasis on relationship between structure and properties of industrial marerials and their control through composition, mechanical processing, and thermal treatment.

ENGT 240: Applied Statics (3) (S)
Scalars and vectors, parallelogram law, equilibrium, trusses, friction theory, center of gravity and moment of inertia, and Newton's law of morion applied to linear and circular motion.
Prerequisites: PHYS 191

ENGT 310: Applied Mechanics (4) (F)
This course is divided into two parts. The first part of this course is 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 of this course is dynamics and covers topics on rectilinear motion, angular motion, plane motion, kinetics, work, energy, power, impulse and momentum.
Prerequisite: Phys 191 or Math 165.

ENGT 315: Operating Systems for Technology (3) (F)
This course covers operating system concepts and procedures necessary 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, basic scripting, system support and security issues.
Prerequisite: ENGT 100 or CSC 115.

ENGT 320: Applied Fluid Mechanics (3) (S)
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.

ENGT 335: Digital Circuits (4) (F)
In this course students will be exposed to basic digital gates and Boolean algebra. The topics involve design and testing both combinational and sequential digital logic circuits such as counters, oscillators, memory systems, and switches. Students will also learn programming logic circuits design using PLDs . Students will implement Combinational logic and sequential logic designs using gates, MSI and LSI IC's. Emphasis is on hands-on activities, real-world equipment, and current digital technology.
Prerequisite: ENGT 205.

ENGT 340: Network Communication I (3) (F)
This course covers basic topics in computer and data networking. Topic include elements of modern computer networks, network devices, network media, TC/IP

fundamentals, OSI model, basic wireless LAN, network classification and topology. IP subnetting, and basic network security. Labs using network simulator tool will also be covered.
Prerequisite: ENGT 215

ENGT 345: Network Communications II (4) (S)
This course will cover 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 will be covered using Windows XP laptops/tablet-PCs as hosts and CISCO Catalyst 2950 switches and 2600 routers.
Prerequisite: ENGT 340.

ENGT 350: Programmable Logic Controllers (PLC) (3) (F)
This course covers control of sysrems 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.
Co-requisite: ENGT 335.

ENGT 360: Control Systems and Instrumentation (4) (S)
This course 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.

ENGT 365:Computer Design and Implementation (4) (S)
This course involves studying internal design of computer systems including data representation, registers, addressing techniques, processor organization. The topics include ALU data path design, arithmetic circuits, memory hierarchy, input/output device interfacing, and programming models. Specific topics will include multiplication and division algorithms, hardware description language (HDL) modeling, and RISC and CISC architectures.
Prerequisite: ENGT 335.

ENGT 385: Strength of Materials (4) (S)
This course introduces stress, strain, and Hooke's Law, torsion, shear and bending moment in beams, deflection of beams, columns and compound stresses, analysis of plane stress, strain and stress transformation including Mohr's circle.
Prerequisite: ENGT 310.

ENGT 405: Automation and Robotics (4) (F)
This course covers theory and practice of systems used in an automated manufacturing environment to perform industrial functions. Topics include sensors, vision system, control programming, remote control, CNC and robotics programming.
Prerequisite: ENGT 350 and CSC 115.

ENGT 415: Machine Design (3) (F)
This course 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, bearing, shafts, cams and flexible mechanical elements, and statistical considerations in design.
Prerequisite: ENGT 385.

TECH 420: Advanced Electronics Systems (3) (F)
Course will cover advanced topics in electronics system and subsystem reliability, preventive maintenance and corrective maintenance including symptom and failure analysis and fault troubleshooting methods. Basic support characteristics of selected electronic based systems would be used as examples including avionics, RF communications and instrumentation.
Prerequisite: TECH 365

ENGT 425: Thermal and Fluid Lab (1) (S)
Laboratory experiments are designed to reinforce the concepts covered in ENGT 320 and ENGT 411 and develop skills in the experimental set-up, data collection and analysis, and interpretation of experimental data.
Co-requisite: ENGT 420.

ENGT 430: Heating, Ventilation and Air Conditioning (HVAC) (3) (F)
Principles of heating, ventilation, and air conditioning and their applications to environmental comforting. Determination of building heating and cooling loads, heat pumps, humidity control, cooling ventilation, inregrated systems, controls and instrumentation.
Prerequisite: ENGT 420

ENGT 440: Mobile and Wireless Network (3) (S)
This course covers the state of the art in mobile and wireless network systems that are currently being deployed. The topics include broadband wireless IEEE 802.16, wireless IEEE 802.11 wireless LAN, mobile ad hoc network, mobile IP, Bluetooth, and cellular systems fundamenrals. Specific ropics will include medium access control (MAC), quality of service (QOS), scheduling, location discovery, and routing and topology control in ad hoc networks.
Prerequisite: ENGT 340. .

ENGT 445: Network Communications III (4) (F)
This course 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 rouring, 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.
Prerequisite: ENGT 345

ENGT 455: Senior Seminar (1) (F)
This course covers topics in engineering technology to prepare the students for capstone senior project and reviews the fundamental of engineering exam.
Prerequisite: Senior standing and permission of academic advisor.

ENGT 460: Engineering Software Applications (3) (S)
This course covers software applications and theory in reverse engineering and finite elements analysis, and develops the fundamental concepts. Topics include stress-strain relations, Principles of potential energy, von Misses strees, mesh modeling, stress analysis for frames, beams, holes, pressure vessels, bolted jolt and contact analysis
Prerequisite: ENGT 418 and ENGT 415.

ENGT 465: Microprocessors and Microcontrollers (4) (F)
This course covers microprocessor /microcontrollers hardware and software, and the theoretical and practical aspects of interface design. Architectural features of microprocessor and microcontrollers such as PIC or 8051 are examined. The peripheral devices for interfacing design will also be covered. The laboratory portion will provide practical hands-on experience with the PC trainer kits, PicBasic Pro programming, interfacing and application of the microprocessor/microcomputer tp real world systems.
Prerequisite: ENGT 365.

ENGT 470: Network Administration and Security (4) (S)
This course covers network administration and security using advanced routers and switches. Topics include advanced router and switch management, Firewall technologies, access control lists, NAT and PAT, encryption algorithms, authentication, Intrusion Detection and Prevention, VPN access, Security Device Manager (SDM), 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 in this course.
Prerequisites: ENGT 445.

ENGT 488: Internship (3) (F;S;SS)
This course is designed to provide employment experiences in engineering field.
Prerequisite: Consent of the Chair or Engineering Technology coordinator.

ENGT 490: Project Management (3) (F;S)
This course 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.

ENGT 495: Research in Engineering Technology (3) (F;S;SS)
This course is upper level course work involving an independent or group research and design project. This course will introduce the student to techniques and procedures of technical research. The student will learn by assisting instructor with a research project in the laboratory and industry. All students are required to 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 Classification and consent of the chairperson or engineering technology coordinator.

ENGT 499: Capstone Senior Project (3) (S)
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 students discipline. The project includes planning, designing, testing, team work skills, writing report, demonstration and oral presentation.
Prerequisite: ENGT 455

Theatre Arts / Drama Course Descriptions

THEA 320: University Players Workshop (1) (F;S)
Combination laboratory and performance activity open to all students wishing to participate in productions of the University Players. Elementary instruction in acting, scenery, costuming makeup, lighting, arts and crafts of the theatre. Course materials vary each semester in accordance with requirements of plays currently being produced. May be repeated each semester, up to a total of eight hours, for credit. Meets two nights per week for a minimum of four clock hours per week after a satisfactory rehearsal schedule has been arranged.
No Prerequisites.

THEA 321: Appreciation of Drama (2) (S)
Introduction to both the practice and literature of the theatre, with emphasis on drama as an art form: how the actor, director, and designer function. Out-standing plays of major periods demonstrate technical, aesthetic aspects of theatrical production. Illustrated lectures, demonstrations, and classroom exercises.
No Prerequisites.

THEA 324: Introduction to Dramatic Arts (3) (F)
Survey of all the arts and crafts of the Theatre for the beginning student, with emphasis on acting and involvement Course culminates in production of a play, in which all aspects of dramatics will be reflected.
No Prerequisites.

THEA 325: Play Production I: Acting and Directing (3) (S)
Fundamentals of stage movement for both actor and director. Students have opportunities to perform in several short scenes for presentation to members of the class and selected audiences in the Little Theatre. Students interested in directing and who demonstrate necessary talents will be permitted to direct short scenes or a one-act play involving other members of the class.
No Prerequisites.

THEA 326: Play Production III: Theatre Crafts (3) (S)
Continuation of Play Production I. Emphasis on the crafts of theatre, including stagecraft, makeup, costuming, scenery, lighting and sound effects. Course developed primarily through audiovisual materials, lecture-demonstrations, individual and group projects. All students will participate in the production of at least one play by the University Players. Laboratory hours to be arranged.
Prerequisite: THEA 325 or consent of Department Chairperson

THEA 327: Advanced Acting (3) (F)
Advanced work in theory and practice of acting; advanced work in analyzing and building a character, with emphasis on the Stanislavski System. Students will have further opportunity for additional study in the use of movement, vocal techniques, and improvisation through short scenes performed in class and classroom exercises.
Prerequisite: THEA 325 or con-sent of Department Chairperson.

THEA 328: Advanced Directing (3) (S)
Study of theory and practice of play directing for the advanced student. Classroom theory to be sup-ported by individual experience in selection and analysis of scripts, casting, rehearsal, and production. Emphasis on director relationships developed through scene work performed in class.
Prerequisite: THEA 325 or consent of Department Chairperson.

THEA 329: Costume/Make-Up for Theatre (3) (F)
Study of the craft of costuming for theatre, film and television. Character analysis to develop and shop for costumes for plays, motion pictures and television. The course would include the creation of make-up and hair styles from sketch to application to actor in order to enhance the visual look of the costume.

THEA 425: Studies in Black Drama (3) (S)
Survey of the contributions of Black Americans to theatre, from the minstrel tradition to the present day. Emphasis on the main periods in the development of the Black playwright and the persistent social problems with which he has been concerned.
Prerequisites: GE 201, 202 or 203H, 204H.

THEA 427: Development of the Theatre (3) (F)
Survey of the chief periods of the theatrical history and the major developments in drama and the the-atre during each of these periods. Course developed primarily through audiovisual materials.
Prerequisites: GE 201, 202 or GE 203H, 204H.

THEA 479: Special Topics in Drama and Theatre (3) (S)
Advanced study and analysis of drama and theatre arts, including problems and situations. This course will feature different topics and may be repeated for credit each semester if it is offered.

Honors Course Descriptions

HON 201/202: 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. 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 301/302: 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 and transfer students. Faculty members propose the theme of the course and outline the format of the class. 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.
Prerequisite: Permission of Instructor of Honors Program Director.

HON 399/499: 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 faculty upon approval of the Director of the Honors Program and Honors Council.
Prerequisite: Junior or senior standing in the Honors Program.

UNDERGRADUATE FACULTY

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ME, Old Dominion University

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PhD, American University

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School of Education & Psychology	McLendon Hall - Room 100 Phone: (252) 335-3298
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MS, Clark University

Professors Emeriti

Professors		Year Conferred
Mollie Majette Beasley	Physical Education	1995
Thaddeus Vernon Beasley	Biology	1995
Helen Marshall Caldwell	English	1998
Thomas Lee Caldwell*	Physical Education	1992
A. Latif Choudhury	Physics	2007
Edna Louise Davis	Music	1986
Vincent John de Gregorio*	Art	1986
William Rankin Gibson	Industrial Arts	1991
Rachel Gragson	Music	2007
Anne Marie Henderson*	English	1994
Dale Edward Henderson Sr. '72*	Social Sciences	1994
Julia Moore Hoffler*	English	1978
Floyd Bernard Holley*	Sociology	1994
Johnny L. Houston	Math and Computer Science	2010
Evelyn Adelaide Johnson*	Music	1976
Carol Calloway Jones	English	2004
Clara Griffin Jones '36 '40	Education	1986
Helen Hemmingway Muldrow	Biology	1986
William Julius Muldrow*	Psychology	1983
Bishop Marvin Patterson	Technology Education	1992
Dan Mitchell Pearce*	Art	2001
Bernard Lee Peterson, Jr.*	English and Drama	1988
Maurice Cary Powers	Geology	1991
Andrew Lee Roberts*	Education	1995
Floyd L. Robinson	Music	2001
Georgia Long Smith*	Health	1987
Hazel Gallop Spellman '41*	Reading	1994
Lawrence Edwin Sugg *	English and Journalism	1986
Louise Nixon Sutton *	Mathematics	1987
Dorothy Elliott Thomas *	Biology	1986
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