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SACSCOC Accreditation Statement

Elizabeth City, North Carolina 27909

SACSCOC Accreditation Statement

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

Elizabeth City State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award degrees at the baccalaureate and master’s level. Questions about the accreditation of Elizabeth City State University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC’s website (www.sacscoc.org).
NON-DISCRIMINATION STATEMENT

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

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

Elizabeth City State University is accredited to award degrees at the baccalaureate and master’s level by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur GA 30033-4097, or call (404) 679-4500, for questions about the accreditation of Elizabeth City State University.

The following academic programs are accredited:

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

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

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

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

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

WELCOME TO ELIZABETH CITY STATE UNIVERSITY (ECSU)!

This is the place where students come to discover and leave to conquer!
We are intentional in providing student-centered services to create a healthy environment where students love where they live and learn; and, employees love where they work! We welcome diversity of individuals and ideas at ECSU.

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

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

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

We look forward to assisting you on your journey to discover your passions and conquer your dreams.

Viking Pride!

Karrie G. Dixon, Ed.D.
Chancellor
# Academic Calendars

## Fall Semester 2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, August 4</td>
<td>Classes Dropped for Non-Payment</td>
</tr>
<tr>
<td>Wednesday-Thursday, August 11-12</td>
<td>Fall Faculty/Staff Institute</td>
</tr>
<tr>
<td>Friday, August 13</td>
<td>New and Transfer Student Orientation/Freshman Move-In Day</td>
</tr>
<tr>
<td>Saturday, August 14</td>
<td>Extended Registration-Graduate Programs/New Viking Days</td>
</tr>
<tr>
<td>Sunday, August 15</td>
<td>Residence Halls Open, All StudentsReturning Students Move-In Day/Viking Kick-Off</td>
</tr>
<tr>
<td>Monday, August 16</td>
<td>Official Registration, 8:30 a.m. to 7:00 p.m. 7:30 p.m. - Classes Dropped for Non-payment</td>
</tr>
<tr>
<td>Tuesday, August 17</td>
<td>Classes Begin for Fall 2021</td>
</tr>
<tr>
<td></td>
<td>Late Registration and Drop/Add Period Begins, 8:30 a.m.</td>
</tr>
<tr>
<td>Monday, August 23</td>
<td>Late Registration and Drop and Add Period Ends, 5:00 p.m.</td>
</tr>
<tr>
<td>Tuesday, August 24</td>
<td>First day to withdraw from classes and receive a grade of “W”</td>
</tr>
<tr>
<td>Monday, August 30</td>
<td>Census</td>
</tr>
<tr>
<td>Monday, September 6</td>
<td>Labor Day Holiday, Classes Dismissed, Offices Closed</td>
</tr>
<tr>
<td>Tuesday, September 7</td>
<td>Classes Resume, 8:00 a.m.</td>
</tr>
<tr>
<td>Wednesday, September 15</td>
<td>Fall 2021 Graduation Applications Due to Registrar’s Office</td>
</tr>
<tr>
<td>Monday - Friday October 4 - 8</td>
<td>Mid-Term Exams (All Students)</td>
</tr>
<tr>
<td>Monday, October 11</td>
<td>Deadline for Posting Grades - 12:00 p.m.</td>
</tr>
<tr>
<td>Monday-Tuesday, October 11-12</td>
<td>Fall Recess</td>
</tr>
<tr>
<td>Wednesday, October 13</td>
<td>Classes Resume, 8:00 a.m.</td>
</tr>
<tr>
<td>Thursday, October 14</td>
<td>Last Day to Remove &quot;I&quot; Grades</td>
</tr>
<tr>
<td>Monday-Friday, October 25 - November 5</td>
<td>Academic Advisement/Pre-Registration for Spring 2022</td>
</tr>
<tr>
<td>Tuesday, October 26</td>
<td>Last Day to Withdraw from Classes and Receive a Grade of &quot;W&quot;</td>
</tr>
<tr>
<td>Thursday, November 11</td>
<td>Veterans Day Holiday, Classes Dismissed, Offices Closed</td>
</tr>
<tr>
<td>Friday, November 12</td>
<td>Classes Resume, 8:00 a.m.</td>
</tr>
<tr>
<td>Date</td>
<td>Event Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Monday, November 15</td>
<td>Last Day to Withdraw from the University and Receive a Grade of &quot;WD&quot;</td>
</tr>
<tr>
<td>Wednesday - Friday, November 24-26</td>
<td>Thanksgiving Holiday, Classes Dismissed</td>
</tr>
<tr>
<td>Monday, November 29</td>
<td>Classes Resume, 8:00 a.m.</td>
</tr>
<tr>
<td>Wednesday, December 1</td>
<td>Last Day of Classes</td>
</tr>
<tr>
<td>Thursday - Friday, December 2 - 3</td>
<td>Reading Day</td>
</tr>
<tr>
<td>Monday – Friday, December 6 - 10</td>
<td>Final Examinations, All Students (Instructional Time Includes Required Examination Periods)</td>
</tr>
<tr>
<td>Saturday, December 11</td>
<td>Fall Commencement</td>
</tr>
<tr>
<td>Monday, December 13</td>
<td>Deadline for Posting Grades for All Students - 3:00 p.m.</td>
</tr>
<tr>
<td>TBD</td>
<td>Last Day to Return Books/Mailbox Keys without Charge</td>
</tr>
</tbody>
</table>

**Spring Semester 2022**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, January 10</td>
<td>Classes Dropped for Non-payment</td>
</tr>
<tr>
<td>Wednesday, January 5</td>
<td>Spring Faculty/Staff Institute</td>
</tr>
<tr>
<td>Friday, January 7</td>
<td>New Student Orientation</td>
</tr>
<tr>
<td>Sunday, January 9</td>
<td>Residence Halls Open – All Students</td>
</tr>
<tr>
<td>Monday, January 10</td>
<td>Official Registration, 8:30 a.m. to 7:00 p.m. 7:30 p.m. - Classes Dropped for Non-Payment</td>
</tr>
<tr>
<td>Tuesday, January 11</td>
<td>Classes Begin for Spring 2022</td>
</tr>
<tr>
<td></td>
<td>Late Registration and Drop and Add Period Begins, 8:30 a.m.</td>
</tr>
<tr>
<td>Monday, January 17</td>
<td>Dr. Martin L. King, Jr. Holiday, Classes Dismissed, Offices Closed</td>
</tr>
<tr>
<td>Tuesday, January 18</td>
<td>Classes Resume, 8:00 a.m. Late Registration/Drop-Add Period Ends, 5:00 p.m.</td>
</tr>
<tr>
<td>Wednesday, January 19</td>
<td>First day to withdraw from classes and receive a grade of “W”</td>
</tr>
<tr>
<td>Tuesday, January 25</td>
<td>Census</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>Thursday, January 27</td>
<td>Spring 2022 Applications for Graduation due to Registrar's Office</td>
</tr>
<tr>
<td>Tuesday, March 1</td>
<td>Financial Aid Deadline for Priority Funding</td>
</tr>
<tr>
<td>Friday - Thursday, March 4-10</td>
<td>Mid-Term Exams (All Students)</td>
</tr>
<tr>
<td>Tuesday, March 8</td>
<td>Last Day to Remove &quot;I&quot; Grades</td>
</tr>
<tr>
<td>Friday, March 11</td>
<td>Founders' Day</td>
</tr>
<tr>
<td>Monday, March 14</td>
<td>Deadline for Posting Grades – 5:00 p.m.</td>
</tr>
<tr>
<td>Monday - Friday, March 14-18</td>
<td>Spring Recess</td>
</tr>
<tr>
<td>Monday, March 21</td>
<td>Classes Resume, 8:00 a.m.</td>
</tr>
<tr>
<td>Wednesday, March 23</td>
<td>Last Day to Withdraw from Classes and Receive a Grade of &quot;W&quot;</td>
</tr>
<tr>
<td>Monday, March 28 – Friday, April 8</td>
<td>Academic Advisement/Pre-Registration for Summer/Fall 2022</td>
</tr>
<tr>
<td>Wednesday, April 13</td>
<td>Last Day to Withdraw and Receive a Grade of &quot;WD&quot;</td>
</tr>
<tr>
<td>Friday, April 15</td>
<td>Good Friday Holiday, Classes Dismissed, Offices Closed</td>
</tr>
<tr>
<td>Saturday, April 16</td>
<td>Saturday Classes Dismissed</td>
</tr>
<tr>
<td>Monday, April 18</td>
<td>Easter Monday, Classes Dismissed</td>
</tr>
<tr>
<td>Tuesday, April 19</td>
<td>Classes Resume, 8:00 a.m.</td>
</tr>
<tr>
<td>Thursday, April 28</td>
<td>Last Day of Classes</td>
</tr>
<tr>
<td>Friday, April 29</td>
<td>Reading Day</td>
</tr>
<tr>
<td>Monday - Friday, May 2 - 6</td>
<td>Final Examinations, All Students (Instructional Time Includes Required Examination Periods)</td>
</tr>
<tr>
<td>Saturday, May 7</td>
<td>Spring Commencement</td>
</tr>
<tr>
<td>Monday, May 9</td>
<td>Deadline for Posting Grades for All Students – 3:00 p.m.</td>
</tr>
<tr>
<td></td>
<td>Last Day to Return Books/Mailbox Keys Without Charge</td>
</tr>
<tr>
<td>Tuesday, May 10</td>
<td>Spring Faculty/Staff Institute</td>
</tr>
</tbody>
</table>

**SUMMER SCHOOL 2022**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, March 28</td>
<td>Registration for All Summer Sessions Begins</td>
</tr>
<tr>
<td>Monday, May 16</td>
<td>First Day of Classes (8-week and 5-week Sessions)</td>
</tr>
<tr>
<td>Thursday, May 19</td>
<td>Last Day to Enroll (Register), Drop/Add a Course or Change from Credit to Audit with Tuition Adjustment (8-week and 5-week Sessions)</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------------------------------------------------</td>
</tr>
<tr>
<td>Friday, May 20</td>
<td>Last Day to Withdraw from the University and Receive a Refund</td>
</tr>
<tr>
<td></td>
<td>8-week and 5-week Sessions)</td>
</tr>
<tr>
<td>Monday, May 30</td>
<td>MEMORIAL DAY - No Classes</td>
</tr>
<tr>
<td>Tuesday, May 31</td>
<td>Classes Resume, 8:00 a.m.</td>
</tr>
<tr>
<td>Wednesday-Thursday</td>
<td>Mid-term Examinations (5-week Session)</td>
</tr>
<tr>
<td>June 1-2</td>
<td></td>
</tr>
<tr>
<td>Thursday, June 3</td>
<td>Last Day to Withdraw from a Course with a Grade of &quot;W&quot; (5-week Session)Midterm Grades Due by 5:00 p.m. (5-week Session)</td>
</tr>
<tr>
<td>Wednesday-Thursday</td>
<td>Mid-term Examinations (8-week Session)</td>
</tr>
<tr>
<td>June 8-9</td>
<td></td>
</tr>
<tr>
<td>Friday, June 10</td>
<td>Last Day to Withdraw from the University with grade &quot;WD&quot; (5-week Session)Midterm Grades Due by 5 p.m. (8-week Session)</td>
</tr>
<tr>
<td>Thursday, June 16</td>
<td>Last Day to Withdraw from a course with a Grade of &quot;W&quot; (8-week Session)</td>
</tr>
<tr>
<td>Friday, June 17</td>
<td>Last Day of Classes (5-week Session)</td>
</tr>
<tr>
<td>Monday-Tuesday</td>
<td>Final Examinations (5-week Session)</td>
</tr>
<tr>
<td>June 20-21</td>
<td></td>
</tr>
<tr>
<td>Wednesday, June 22</td>
<td>First Day of Classes (5-week Online Session) Final Grades Due by 5:00 p.m. (5-week Online Session) Rental Books Returned by 3 p.m. (5-week Session)</td>
</tr>
<tr>
<td>Thursday, June 23</td>
<td>Last Day to Withdraw from the University with a Grade of &quot;WD&quot; (8-week Session)</td>
</tr>
<tr>
<td>Monday, June 27</td>
<td>Last Day to Enroll (Register), Drop/Add a Course or Change from Credit to Audit with Tuition Adjustment (5-week Online Session)</td>
</tr>
<tr>
<td>Tuesday, June 28</td>
<td>Last Day to Withdraw from the University and Receive a Refund (5-week Online Session)</td>
</tr>
<tr>
<td>Monday, July 4</td>
<td>INDEPENDENCE DAY – No Classes</td>
</tr>
<tr>
<td>Wednesday-Thursday</td>
<td>Mid-term Examinations (5-week Online Session)</td>
</tr>
<tr>
<td>July 6-7</td>
<td></td>
</tr>
<tr>
<td>Friday, July 8</td>
<td>Last Day of Classes (8-week Session)Midterm Grades Due by 5:00 p.m. (5-week Online Session)</td>
</tr>
<tr>
<td>Monday-Tuesday</td>
<td>Final Examinations (8-week Session)</td>
</tr>
<tr>
<td>July 11-12</td>
<td></td>
</tr>
</tbody>
</table>
**Tuesday, July 12**  
Last Day to Withdraw from a course with a Grade of "W" (5-week Online Session)

**Tuesday-Wednesday, July 13-14**  
Final Examinations (8-week Session)

**Friday, July 15**  
Final Grades for 8-week Session due to Registrar by 5 p.m.  
Rental Books Returned by 3 p.m. (8-week Session)

**Tuesday, July 19**  
Last Day to Withdraw from the University with a Grade of "WD" (5-week Online Session)

**Tuesday, July 26**  
Last Day of Classes (5-week Online Session)

**Wednesday-Thursday, July 27-28**  
Final Examinations (5-week Online Session)

**Friday, July 29**  
Final Grades for 5-week Online Session due to Registrar by 5 p.m.  
Rental Books Returned by 3 p.m. (5-week Online Session)

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**FALL SEMESTER 2022**

**Wednesday, August 3**  
Classes Dropped for Non-Payment

**Wednesday-Thursday, August 10-11**  
Fall Faculty/Staff Institute

**Friday, August 12**  
New and Transfer Student Orientation/Freshman Move-In Day

**Saturday, August 13**  
Extended Registration-Graduate Programs/New Viking Days

**Sunday, August 14**  
Residence Halls Open, All StudentsReturning Students Move-In Day/Viking Kick-Off

**Monday, August 15**  
Official Registration, 8:30 a.m. to 7:00 p.m.  
7:30 p.m. - Classes Dropped for Non-payment

**Tuesday, August 16**  
Classes Begin for Fall 2022  
Late Registration and Drop/Add Period Begins, 8:30 a.m.

**Monday, August 22**  
Late Registration and Drop and Add Period Ends, 5:00 p.m.

**Tuesday, August 23**  
First day to withdraw from classes and receive a grade of “W”

**Monday, August 29**  
Census

**Monday, September 5**  
Labor Day Holiday, Classes Dismissed, Offices Closed

**Tuesday, September 6**  
Classes Resume, 8:00 a.m.

**Thursday, September 15**  
Fall 2022 Graduation Applications Due to Registrar’s Office
<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday - Friday October 10 - 14</td>
<td>Mid-Term Exams (All Students)</td>
</tr>
<tr>
<td>Monday, October 11</td>
<td>Last Day to Remove &quot;I&quot; Grades</td>
</tr>
<tr>
<td>Monday, October 17</td>
<td>Deadline for Posting Grades - 12:00 p.m.</td>
</tr>
<tr>
<td>Monday-Tuesday, October 17-18</td>
<td>Fall Recess</td>
</tr>
<tr>
<td>Wednesday, October 19</td>
<td>Classes Resume, 8:00 a.m.</td>
</tr>
<tr>
<td>Tuesday, October 25</td>
<td>Last Day to Withdraw from Classes and Receive a Grade of &quot;W&quot;</td>
</tr>
<tr>
<td>Monday-Friday, October 31 - November 14</td>
<td>Academic Advisement/Pre-Registration for Spring 2023</td>
</tr>
<tr>
<td>Friday, November 11</td>
<td><em><strong>Veterans Day Holiday, Classes Dismissed, Offices Closed</strong></em></td>
</tr>
<tr>
<td>Monday, November 14</td>
<td>Classes Resume, 8:00 a.m. Last Day to Withdraw from the University and Receive a Grade of &quot;WD&quot;</td>
</tr>
<tr>
<td>Wednesday - Friday, November 23-25</td>
<td><em><strong>Thanksgiving Holiday, Classes Dismissed</strong></em></td>
</tr>
<tr>
<td>Monday, November 28</td>
<td>Classes Resume, 8:00 a.m.</td>
</tr>
<tr>
<td>Wednesday, November 30</td>
<td>Last Day of Classes</td>
</tr>
<tr>
<td>Thursday - Friday, December 1 - 2</td>
<td>Reading Days</td>
</tr>
<tr>
<td>Monday – Friday, December 5 - 9</td>
<td>Final Examinations, <em>All</em> Students (Instructional Time Includes Required Examination Periods)</td>
</tr>
<tr>
<td>Saturday, December 10</td>
<td><em><strong>Fall Commencement</strong></em></td>
</tr>
<tr>
<td>Monday, December 12</td>
<td>Deadline for Posting Grades for All Students - 3:00 p.m.Last Day to Return Books/Mailbox Keys without Charge</td>
</tr>
</tbody>
</table>

**SPRING SEMESTER 2023**

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, January 4</td>
<td>Spring Faculty/Staff Institute</td>
</tr>
<tr>
<td>Friday, January 6</td>
<td>New Student Orientation</td>
</tr>
<tr>
<td>Sunday, January 8</td>
<td>Residence Halls Open – All Students</td>
</tr>
</tbody>
</table>
Monday, January 9  
Official Registration, 8:30 a.m. to 7:00 p.m.  
7:30 p.m. - Classes Dropped for Non-Payment

Tuesday, January 10  
Classes Begin for Spring 2023  
Late Registration and Drop and Add Period Begins, 8:30 a.m.

Monday, January 16  
Dr. Martin L. King, Jr. Holiday, Classes Dismissed, Offices Closed

Tuesday, January 17  
Classes Resume, 8:00 a.m. Late Registration/Drop-Add Period Ends, 5:00 p.m.

Wednesday, January 18  
First day to withdraw from classes and receive a grade of “W”

Tuesday, January 24  
Census

Friday, January 27  
Spring 2023 Applications for Graduation due to Registrar's Office

Wednesday, March 1  
Financial Aid Deadline for Priority Funding

Friday - Thursday, March 3-9  
Mid-Term Exams (All Students)

Tuesday, March 7  
Last Day to Remove "I" Grades

Friday, March 10  
Founders' Day

Monday, March 13  
Deadline for Posting Grades – 5:00 p.m.

Monday - Friday, March 13-17  
Spring Recess

Monday, March 20  
Classes Resume, 8:00 a.m.

Thursday, March 23  
Last Day to Withdraw from Classes and Receive a Grade of "W"

Monday, March 27 – Tuesday, April 11  
Academic Advisement/Pre-Registration for Summer/Fall 2023

Friday, April 7  
Good Friday Holiday, Classes Dismissed, Offices Closed

Monday, April 10  
Easter Monday, Classes Dismissed

Tuesday, April 11  
Classes Resume, 8:00 a.m.

Friday, April 14  
Last Day to Withdraw and Receive a Grade of "WD"

Thursday, April 27  
Last Day of Classes

Friday, April 28  
Reading Day

Monday - Friday, May 1 - 5  
Final Examinations, All Students (Instructional Time Includes Required Examination Periods)

Saturday, May 6  
Spring Commencement

Monday, May 8  
Deadline for Posting Grades for All Students – 3:00 p.m.  
Last Day to Return Books/Mailbox Keys Without Charge
**SUMMER SCHOOL 2023**

**Monday, March 27**  
Registration for All Summer Sessions Begins

**Monday, May 15**  
First Day of Classes (8-week and 5-week Sessions)
**Thursday, May 18**  
Last Day to Enroll (Register), Drop/Add a Course or Change from Credit to Audit with Tuition Adjustment (8-week and 5-week Sessions)
**Friday, May 19**  
Last Day to Withdraw from the University and Receive a Refund (8-week and 5-week Sessions)

**Monday, May 29**  
MEMORIAL DAY - No Classes
**Tuesday, May 30**  
Classes Resume, 8:00 a.m.

**Tuesday-Wednesday May 30-31**  
Mid-term Examinations (5-week Session)
**Thursday, June 1**  
Midterm Grades Due by 5 p.m. (5-week Session)
**Friday, June 2**  
Last Day to Withdraw from a Course with a Grade of "W" (5-week Session)
**Wednesday-Thursday June 7-8**  
Mid-term Examinations (8-week Session)
**Friday, June 9**  
Last Day to Withdraw from the University with grade "WD" (5-week Session) Midterm Grades Due by 5 p.m. (8-week Session)

**Friday, June 16**  
Last Day of Classes (5-week Session) Last Day to Withdraw from a course with a Grade of "W" (8-week Session)
**Monday-Tuesday June 19-20**  
Final Examinations (5-week Session)
**Wednesday, June 21**  
First Day of Classes (5-week Online Session) Final Grades due to Registrar by 5:00 p.m. (5-week Session) Rental Books Returned by 3 p.m. (5-week Session)
**Monday, June 26**  
Last Day to Enroll (Register), Drop/Add a Course or Change from Credit to Audit with Tuition Adjustment (5-week Online Session)
**Wednesday, June 27**  
Last Day to Withdraw from the University and Receive a Refund (5-week Online Session)
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<td>INDEPENDENCE DAY – No Classes</td>
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<td>Friday, July 7</td>
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<td>July 10-11</td>
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<td>Monday, July 12</td>
<td>Last Day to Withdraw from a course with a Grade of &quot;W&quot; (5-week Online Session) Final Grades for 8-week Session due to Registrar by 5:00 p.m. Rental Books Returned by 4:00 p.m. (8-week Session)</td>
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<td>Tuesday, July 18</td>
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<td>Wednesday-Thursday</td>
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<td>July 26-27</td>
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<td>Friday, July 28</td>
<td>Final Grades to Registrar by 5:00 p.m. (5-week Online Session) Rental Books Returned by 4:00 p.m. (5-week Online Session)</td>
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CORRESPONDING DIRECTORY

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

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Ms. Thelma Renee Williams, Bursar
Ms. Crystal Woodley, Asst. Director of Auxiliary Operations
Mr. Christopher Jones, Director of Central Receiving/Mail/Surplus

UNIVERSITY ADVANCEMENT
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Mr. Enoch Bond, Director of Alumni Relations and Engagement
Mr. Russell Haddad, Director of Community and Economic Engagement
HISTORY OF THE UNIVERSITY OF NORTH CAROLINA

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

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

The 1931 session of the General Assembly redefined the University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus University operated with one board of trustees and one president. By 1969, three additional campuses had joined the University through legislative action: the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971 legislation was passed bringing into the University of North Carolina the state's 10 remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts (now the University of North Carolina School of the Arts), Pembroke State University (now the University of North Carolina at Pembroke), Western Carolina University, and Winston-Salem State University. In 1985 the NC School of Science and Mathematics was declared an affiliated school of the University; in July 2007 NCSSM by legislative action became a constituent institution of the University of North Carolina. All the schools and universities welcome students of both sexes and all races.

The UNC Board of Governors is the policy-making body legally charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." It elects the president, who administers the University. The 32 voting members of the Board of Governors are elected by the General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members emeriti. The president of the UNC Association of Student Governments or that student's designee is also a non-voting member.

Each of the UNC campuses is headed by a chancellor who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each university has a board of trustees consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex officio. (The UNC School of the Arts has two additional ex officio members; and the NC School of Science and Mathematics has a 27-member board as required by law.) Each board of trustees holds extensive powers over academic and other operations of its campus on delegation from the Board of Governors.
In addition to its teaching role, the University of North Carolina has a long-standing commitment to public service. The UNC Center for Public Television, the UNC Health Care System, the cooperative extension and research services, nine area health education centers, and myriad other University programs and facilities reap social and economic benefits for the state and its people.

University Mission

As a constituent institution of The University of North Carolina, Elizabeth City State University offers baccalaureate, professional, and master's degrees for a diverse student body. Our mission is to promote economic, social, and environmental progress for the people of northeastern North Carolina, the state, and the nation.

We achieve our commitment to the highest quality education by maintaining a rigorous focus on academic excellence through liberal arts programs and using innovative and flexible technology-based instruction models to enhance our signature areas: integrating technology with education, improving human health and wellness, and advancing the natural and aviation sciences.

Through teaching, research, and community engagement, the institution's rich heritage and its current multicultural student-centered focus provide a firm foundation for its endeavors. It serves the needs and aspirations of individuals and society; producing graduates for leadership roles and life-long learning.

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. Favoring by a mild climate and proximity to the world-renowned Outer Banks recreation area, ECSU can supply ingredients that help make student living and learning both exciting and fulfilling. In addition, the University offers students a variety of social programs, cultural programs, religious and musical organizations, honor societies, and clubs. Fraternities and sororities are also available to students as well as a variety of athletic teams and events.

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

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

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

Growth and Development

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

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

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

Between 1891 and 1928, curricula and resources were expanded under the yeoman leadership of Peter Wedderick Moore. Nine different academic
programs — ranging from grade school to a "post-graduate" curriculum — marked Principal Moore's incumbency. The Normal curriculum had primary and grammar tracks. Enrollment increased from 23 to 355, and the faculty from two to 15 members by the time Dr. Moore retired on July 1, 1928. His designation of President-Emeritus is believed to be the first such honor in the state.

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

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

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

The college experienced significant growth and development during the administration of **WALTER NATHANIEL RIDLEY**, the fifth president, September 1, 1958–June 1968. Curricular offerings were expanded between 1959 and 1963 from the two-track Elementary Education major to 13 additional degree-granting programs, providing 17 degree granting tracks. Students also earned certificates in five vocational-technical programs for a total of 22 curricular options. Ten departments of instruction came into existence serving students pursuing both teacher-training and, for the first time, non-teaching programs.

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

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

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

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

Other hallmarks of Dr. Thorpe’s administration included: Trustee approval of recommendations for the school’s first professors emeriti; completion of several buildings — including a 200-student residential complex; three new academic departments; 14 new degree-granting programs; six additional or variant program tracks; and an ROTC program. A Faculty Council was established;
computer capability grew significantly; library holdings and usage increased; long-range and affirmative action plans were revised; a PABX telephone system was installed; a National Youth Sports Program was initiated; and the institution's history was written. Major fund-raising programs also highlighted Dr. Thorpe’s tenure, including incorporation of the ECSU Foundation (1971).

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

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

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

Additional accomplishments of the Jenkins Administration included the completion of a science complex housing the only planetarium in this part of the state, the erection of a computing laboratory, and construction of the Commuter Center. A 200-bed residence hall was constructed on a newly acquired tract of land long sought by the University, and plans were initiated for constructing a fine arts building on another section of this land. Dr. Jenkins’ staff was the first to occupy the newly finished M. D. Thorpe Administration Building named in honor of his immediate predecessor.

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

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

To improve operational efficiency, Dr. Burnim is credited for having reorganized the University into four schools: Arts and Humanities; Business and Economics; Education and Psychology; and
Mathematics, Science, and Technology. Additionally, he directed the development of a comprehensive enrollment management and marketing plan, which, in Fall 2005, yielded for the third consecutive year the highest enrollment in ECSU's history. In 2001, he began the oversight of the largest construction and renovation project ($46.3 million) ever undertaken at ECSU, including the construction of a physical education/fieldhouse facility, a student center, and a new residence hall. In 2004, the University opened its first privatized student housing facility, Viking Village.

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

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

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

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

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

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

Since Dr. Gilchrist’s interim appointment as chancellor in 2006, student enrollment increased from 2,681 to 3,307 students in the Fall of 2010. The University’s performance as a public institution granting undergraduate degrees drew praise from a publication highly recognized among those ranking academic institutions. The U.S. News and World Report's 2012 Edition of Best Colleges rankings
listed ECSU second in the Top Public Schools Regional Colleges (South) category. The Best Colleges report listed ECSU as #14 among the nation's Historically Black Colleges and Universities -- three notches higher than 2011’s rank. The Top Public Schools Regional Colleges (South) is one of four regions considered for this category. Other public colleges and universities are categorized by their location in the North, the Midwest and the West. The Historically Black Colleges and Universities (HBCU) were compared only with one another for these rankings. In order to be on the list, a school must be designated currently by the U.S. Department of Education as an HBCU.

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

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

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

After Chancellor Gilchrist’s retirement, CHARLES L. BECTON, a former NC Court of Appeals judge, was named interim chancellor on July 1, 2013 and served through October 17, 2014. He was the first African American male to serve as president of the North Carolina Bar Association. He has prior experience as an interim chancellor at North Carolina Central University.

During the 2013-14 school year, ECSU faced and weathered a series of perfect storms, one falling incredibly on the heels of the preceding one. Under the leadership of Interim Chancellor Becton, ECSU responded to its challenges and focused on several key areas of importance: safety, enrollment, rightsizing the institution, student success, affordability, campus growth, and outstanding educational programs. 2013-14 notable achievements included: National rankings: #1 Top Public Schools (Regional Colleges/South) and #6 HBCUs for its 79.8% freshmen retention rates- US News and World Report; #1 among 350 baccalaureate colleges and universities nationwide- Washington Monthly's College Rankings; and #3 among public HBCU green initiatives.

Under his leadership, ECSU: opened a Veterans Center on campus and an Office of Transfer Advising and Resources (OTAS, designed to assist and support transfer students as they transition to ECSU; received a clean financial audit for the 3rd year in a row; received grants totaling $11,512,544 from various agencies, received a $500,000 private gift to endow an Aviation Science professorship and scholarship in Education; received $150,000 from The Thurgood Marshall College Fund to provide scholarships for eligible students; established E-Mentoring Program to aid students in transition into college life and to give students access to professional networks for future career development; opened a new finance lab, partnered with Follett Higher Education Group, which now operates the newly remodeled Campus Stone that boasts nearly 2,000 square feet of retail space, and became a Weather Ready Nation Ambassador and can partner with the National Oceanic Atmospheric Administration to help improve
the nation's readiness, responsiveness, and overall resilience against extreme weather, water, and climate events. In addition, a previously unnamed Antarctic Bay was named the Elizabeth City State University Bay as a result of the work of five of our students, working at our Center of Excellence in Remote Sensing Education and Research (CERSER).

On October 1, 2014, STACEY FRANKLIN JONES was appointed tenth chief executive officer and fifth Chancellor of Elizabeth City State University becoming the institution’s first woman ever to serve as chief chancellor. Her vision for ECSU initiated a new Path to Prominence, Phase One: The most affordable academic success university in NC, Phase Two: A Community of Scholars in NC, Phase Three: Interdisciplinary Science University in NC.

Under Dr. Jones leadership, ECSU accomplished numerous notable achievements: ECSU’s newly formed chapter of Women in Aviation International (WAI) reached a milestone when they attained official, provisional chapter status; The Golden LEAF Foundation awarded ECSU a $1.1 million grant to strengthen aviation education and workforce development in northeastern North Carolina; The National Institute of Justice (NIJ) awarded ECSU a $956,250 grant to assist in its mission to provide aviation technology and research to support counter-poaching efforts in Kenya; and ECSU’s bachelor’s degree program in engineering technology was accredited by the Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board for Engineering and Technology (ABET) Inc. ECSU continued to be highly recognized among those ranking academic institution: The Best Value Schools website for "The 100 Most Affordable Small Colleges in America” ranked ECSU #1, U.S. News and World Report ranked ECSU #2 among Top Public Schools (Regional Colleges in the South), and #6 among Historically Black Colleges where freshmen are most likely to return, and Washington Monthly ranked ECSU among the Best Bang for the Buck institutions. In addition, ECSU was a proud member of the 2015 Military Friendly School Association.

On January 26, 2016, THOMAS E.H. CONWAY, Jr. became Elizabeth City State University’s eleventh chief executive officer and sixth chancellor. Dr. Conway made strides toward expanding the value of the university by requesting and receiving approval for five new academic programs, establishing bilateral agreements with North Carolina community colleges, and having the first enrollment increase in seven years in conjunction with the largest freshman class in five years up to that point.

Dr. Conway also oversaw investments in ECSU totaling more than $24 million which, along with an eventual loan from the USDA, served as major investments in not only the university, but also the regional economy. Along with System President Margaret Spellings, Dr. Conway led ECSU’s first working group designed to build the university's strengths for future generations, He co-chaired a second working group with Chancellor Karrie Dixon prior to his retirement.

Dr. Conway had a great passion for building a stronger relationship between the surrounding community and the university. He was also a strong believer in the University's role as a leader in the economic sustainability of the region, leading him to launch a series of university-led town hall meetings to that end, and launching InnovatEC, a university project designed to spur economic growth and entrepreneurship in the region.

During the 2017-2018 school year, under Dr. Conway's leadership, ECSU launched a new university brand, introducing a new logo and tagline. The new tagline "Come to discover, Leave to conquer", spoke to the institution's legacy of introducing well prepared and accomplished young men and women into the world.

During Dr. Conway's times as chancellor, he oversaw the implementation of the North Carolina General Assembly authorized N.C. Promise Tuition Program at ECSU. Along with UNC Pembroke and Western Carolina University, ECSU would launch the tuition-reducing program in the fall of 2018.

Chancellor Thomas Conway retired from Elizabeth City State University January 16, 2018, as the university's top officer after a 45-year career with the University of North Carolina System.

After serving eighteen months, Stacey Franklin Jones resigned on December 31, 2015 as chancellor of Elizabeth City State University.
On December 14, 2018, **KARRIE G. DIXON** was named twelfth Chief Executive Officer and seventh Chancellor of Elizabeth City State University. Dr. Dixon was appointed Chancellor after serving in The University of North Carolina System Office for 10 years.

Upon her arrival, Dr. Dixon quickly demonstrated her ability and interest in forging the University forward, giving special attention to increasing ECSU’s enrollment. In 2018, first-year enrollment increased by 20%, total undergraduate enrollment increased by 19% and transfer enrollment increased by 57%. Since 2018 enrollment has climbed nearly 40%, in part because the North Carolina General Assembly authorized a special tuition-reducing program called NC Promise. She has worked vigorously to improve the institution academically, financially, and physically. Under her leadership, The UNC Board of Governors appropriated $2.3M for repair & renovations for campus improvements, ECSU received a USDA loan, the university increased its fleet from 2 to 12 aircrafts for ECSU's signature aviation program. Also contributing has been establishment of new degree programs: Digital Media, Unmanned Aircraft System and online programs-Interdisciplinary Studies, Homeland Security, and a Master of Education in Elementary Education.

Under Dr. Dixon’s leadership, 2018 had the highest yield in grant awards since 2012. Over $4 million in competitive grants were awarded. ECSU was awarded $350,000 by the National Endowment for the Humanities Grant for Research and Cultural Center and $500,000 NASA/BWF grant for funding outreach of STEM education. In 2019, Dr. Dixon launched her vision, "ECSU is Rising" and a new faculty and staff campaign, A.C.E.- Accountability, Commitment, and Excellence to encourage faculty and staff to work together for the future sustainability of the university. In 2020, Dr. Dixon launched a five-year strategic plan, "Forging Our Future." Beginning March 2020, Dr. Dixon guided ECSU through the COVID-19 pandemic, working with her senior leadership team and ECSU staff and faculty to provide students with quality education through off-campus learning protocol. Beginning in fall 2021, Dr. Dixon led Elizabeth City State University through a return to campus effort that included safety and health protocols. During that time, the university continued to grow under Dr. Dixon’s leadership.

Dr. Dixon continues to receive numerous accolades that demonstrate her leadership. She has been named the Ten Most Dominant HBCU Leaders of 2020 and awarded The Old North State Award by North Carolina Governor Roy Cooper.

For more information on the development of the University, see: www.ecsu.edu.
FALL AND SPRING CHARGES

Tuition and fees are due and payable prior to the beginning of each semester. Failure to pay current semester charges may cause your schedule to be canceled. Account balances that remain unpaid will incur a 5 percent interest charge monthly. Students with account balances after the start of a session will incur a onetime late payment fee after the start of a semester of 10 percent of the balance of the account. **Unpaid charges on your account will prevent you from registering for an upcoming term.** Continuing students who do not preregister are charged a $100.00 late pre-registration fee. Visit www.ecsu.edu for current tuition and fees rates and other charges.

We encourage students to utilize the online bill payment system Self Service Banner (SSB) to make payment on their student account. SSB is available 24 hours a day, seven days a week. Certified checks or money orders should be made payable to "Elizabeth City State University". Please indicate students' 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. 

In the event that a student is unable to pay the full amount due for any semester, assistance should be sought early enough to avoid registration delays. Inability to meet financial obligations does not prevent the charges of interest and late payment fees. Payment plans are available and must be set up prior to registration day. The earlier the payment plan is established, the more favorable the payment terms. Fall payment plans set up prior to the bill due date allow payments to be spread over five months, plans set up prior to official registration allow payments to be spread over four months, plans set up after official registration allow payments to be spread over three months. Spring payment plans set up prior to the due date will allow payments to be spread over given months, plans set up prior to after the due date allow payments to be spread over four months, plans set up after official registration allow payments to be spread over three months. Payment of any outstanding balance remaining from a previous semester is a prerequisite for attending ECSU. All deferred fees must be paid by the end of the applicable semester. Interest and penalty charges may be included on all past due accounts.

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

Special Charges and Fees

APPLICATION FEE

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

DIPLOMA FEE

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

ID CARD FEE

A $20 duplicating fee will be charged for the replacement of a lost or misplaced ID Card. There is a $10 fee for a replacement of a damaged card. ID cards may be obtained at the ID Office located in the Campus Post Office, Ridley University Center. No refunds will be made for cards which are lost and then found after they have been replaced. Each student is required to carry an ID card at all times on campus and to present that ID card to an authorized official upon request.
GRADUATION FEE
A graduation fee of $50 covers the cost of the commencement activities. It must be paid at least 45 days before graduation by any senior planning to graduate. Please see the Campus Store for graduation regalia, customized diplomas, and announcement prices.

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

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

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

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

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

MEAL PLAN CANCELLATION FEE
In all cases, students who wish to cancel their meal plan must complete a Meal Plan Change Form. Students who cancel or buy out of their Housing Contract for any reason or are evicted from Residence Life will require a $100 cancellation fee for canceling their Meal Plan. This fee is applicable to any semester in which your meal plan is cancelled.

The University may grant cancellation of this contract in certain cases, such as academic dismissal, academic withdrawal from the University, or for some other unforeseen circumstance.

Meal plans are refundable on a prorated basis less any Vikings Bucks funds used less any fees or charges.

Students should contact the VikingOne Card Office at (252) 335-3664 to receive information regarding meal plans changes.

POST OFFICE
The Dr. Clifford L. Jones, Sr., Post Office is located in the Viking Services Center (formerly known as Ridley University Center). All residential students receive a rental mailbox per calendar year with the cost included with Housing Fees. Nonresidential students may rent a campus mailbox for $31.50 per calendar year. Postal services include postage stamps, money orders, express mail, priority, registered and certified mail; and delivery and pick-up of departmental mail. Contact: Campus Post Office, (252) 335-3382.

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 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 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.

**FINANCIAL REGULATIONS**

**Book Rental**

The Book Rental Office is located in the Viking Services Center (formerly known as Ridley University Center). Through the Follett IncludED program, students may rent all required textbooks and receive required course material (i.e., lab manuals and access codes) each semester. Book Rental charges are added automatically for all Full Time Undergraduate students during the Fall and Spring semesters; Part Time students can request this service through Self Service Banner.

**RENTAL TEXTBOOKS RETURN POLICY**

All rental textbooks shall be returned no later than the next business day following the final examination period for that term. If textbooks are not returned by the due date, the full replacement cost of the unreturned textbooks and other materials will be charged to the student’s account. Credits to student accounts for books returned after the deadline are not available. Charges will also be assessed for damaged textbooks. In addition, charges will be assessed for missing supplemental materials like compact discs that accompany some textbooks. A student may not rent textbooks for a new semester until all unreturned book and damaged book charges from a prior semester are paid. Textbooks returned by mail must be received by the due date; include the student’s full name, Banner identification number and mailed to the following address:

Elizabeth City State University
Book Rental
1704 Weeksville Road
Elizabeth City, NC 27909

**Boarding Students**

All students residing in University Housing and Residence Life are required to participate in a Campus Dining meal plan program. The boarding package includes 19, 15, or 10 meals per week. Boarding students may also sign-up for one of our residential block plans (listed below). All freshmen residing in University housing are required to participate in the 19-meal plan during their first year. Sophomores, juniors, and seniors residing in University housing may choose any residential meal plan. Unused meals do not carry over to the next week or semester. The meal plan rates (tax included) are as follows:

- **19 meals per week** $1,713.00/semester
- **15 meals per week** $1,498.00/semester
- **10 meals per week** $1,284.00/semester
- **120 meals per semester** $1,300.00/semester
- **160 meals per semester** $1,600.00/semester

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.) Dining services refunds or reduced rates cannot be made because of special dietary requirements.

Meal plan changes must be requested within the first week of the academic semester. After the first week of classes, changes to meal plans are no longer accepted. A Meal Plan Change form must be submitted to the ID Card Office located in the Viking Services building formerly known as Ridley University Center. Students may, at any time during
the Semester, change to higher-tier meal plan. Students changing from a less expensive plan to a more expensive plan option will be required to pay a prorated charge based on the date of the change.

Students who cancel or buy out of their Housing Contract for any reason or are evicted from Residence Life will require a $100 cancellation fee for canceling their Meal Plan. This fee is applicable to any semester in which your meal plan is cancelled. The University may grant cancellation of this contract in certain cases, such as academic dismissal, academic withdrawal from the University, or for some other unforeseen circumstance. Meal plans are refundable on a prorated basis less any Vikings Bucks funds used less any fees or charges.

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

Refunds Due to Dropping and Adding of Courses

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

Payment Policy

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

Financial Obligations

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

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

Students are urged to make their tuition and fee payments online using our secure Touchnet system through Self Service Banner. To make a payment online, log into SSB, click on Student, Student Account, View Bill/Make a Payment. If paying by mail, payment should reach our office at least fifteen (15) days before reporting to the University.

Remittances should be sent directly to the Office of Student Accounts, Elizabeth City State University, 1704 Weeksville Road, Elizabeth City, NC 27909. Each remittance should state clearly and specifically the purpose and for whom the money is intended. Certified checks or money orders will be accepted.

Damages

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

Accounts for Veterans and War Orphans

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

Refund Policy

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

Financial Aid will be adjusted in accordance with Federal and State regulations.
The established State Fiscal Policies and Regulations under which Elizabeth City State University operates state that all student accounts are due and payable on registration day, and, if not paid on that day, accounts must be paid in full prior to the close of the semester for which the student is registered. Students returning to the University with an outstanding balance will not be allowed to preregister or obtain a housing assignment. After the close of the semester, an account which remains unpaid is delinquent. No grades, transcripts of credits, or diploma shall be issued by the Office of the Registrar for any student whose account remains unpaid after the close of the semester.

The intent of this policy is primarily to place the responsibility for keeping accounts current on the student rather than on the University. The policy is not considered unduly burdensome considering the many scholarships, grants, loans, and other funds which are available to qualified students.
UNIVERSITY POLICE
For the protection of campus and visiting personnel as well as institutional facilities, Elizabeth City State University has a Police Department charged with enforcing state and local laws, university policies, rules, procedures and regulations, including campus traffic and parking regulations. The university community is expected to comply with all state and local laws, university policies, rules and procedures and regulations. Officers’ authority extends on and off campus, including the power of arrest.* The University Police Office is located in the Thomas-Jenkins Building.

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

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

The primary mission of the Elizabeth City State University Environmental Health and Safety Office (EHS) is to place administrative emphasis on workplace safety and health requirements for all persons comprising the University community. As a part of this mission, the ECSU EHS staff provides assistance to departments and individuals in order to establish and maintain a safe and healthy campus environment. Safety and health will be promoted as a matter of forethought rather than afterthought.

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

PARKING PERMIT FEES
- Reserved Faculty & Staff: $200.00
- Non-Reserved Faculty and Staff: $90.00
- Students: $75.00
- Temporary Employment: $7.50 monthly or $90.00
- Visitor/Vendor: $5.00 daily

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

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

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

OFFICE OF DEVELOPMENT

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

Annual Fund

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

Corporate and Foundation Development

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

Major and Planned Gifts

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

OFFICE OF ALUMNI RELATIONS

The Office of Alumni Relations works to involve alumni and distinctive alumni groups in the life of the University and its programs with a view toward increasing their financial support, increasing the
growth and development of alumni chapters, updating and maintaining a list of ECSU graduates, producing alumni publications, and serving as the liaison between the University and the National Alumni Association.

**OFFICE OF COMMUNITY & ECONOMIC ENGAGEMENT**

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

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

**ECSU FOUNDATION**

**The Elizabeth City State University Foundation, Incorporated**

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

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

**ECSU Endowment**

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

Mission

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

Goals

1. To provide academic technology support services to administrators, faculty, staff, and students to support teaching and learning on campus, online and through videoconferencing.

2. To provide administrators, faculty, and staff with professional development opportunities and resources essential for teaching and learning on campus, online and through videoconferencing.

3. To maintain existing academic technologies and implement new technologies necessary for teaching and learning on campus, online and through videoconferencing.

Distance Education

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

Convenience, Quality, Affordability

At Elizabeth City State University, we believe education has no boundaries. Our undergraduate and graduate online degree programs offer the same quality education and accreditations as our classroom programs, but with flexibility and convenience to fit your schedule. As part of the University of North Carolina system, ECSU offers affordable undergraduate and graduate degree programs, both accessible 24/7 and designed to fit your busy schedule.

Getting Started with Online Learning

Students interested in applying to an online degree program or taking online courses should determine if they have the qualities to be a successful online student. For more information about becoming an Online Learner visit the Distance Education website at https://www.ecsu.edu/academics/offices/distance-education/index.html. Review our online programs, eligibility requirements, and student resources to determine if online learning is right for you. You will also find technology recommendations for online students and information about the required Distance Education Online Orientation.

Blackboard Learning Management System

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

Visit the Distance Education website and select the Student’s link to find additional technology resources and Blackboard help.

Visit the Blackboard Learn website at http://ecsu.blackboard.com to log into Blackboard with your ECSU Viking One Credentials. Once you
are logged into Blackboard you will have access to the technology resources listed in the Student Services area of each of your courses. If you have issues logging into Blackboard, contact the ECSU IT helpdesk at helpdsek@ecsu.edu or 252-335-3532.

CONTACT INFORMATION
Office of Distance Education, 1704 Weeksville Road, Elizabeth City, NC 27909, 102 Trigg Building, Campus Box 924, Phone: Toll-Free (877-432-7662), de@ecsu.edu
• Kimberly N. Stevenson, Ed.D, Director, Phone: (252) 335-3699, knstevenson@ecsu.edu
• Trina Gregory, Ed.D, Distance Education Student Services Coordinator/State Authorization Compliance Officer, Phone: (252) 335-3112, tlgregory3@ecsu.edu

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

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

GOALS
To provide lifelong learners with convenient opportunities for learning new skills, advancing their careers, and enriching their personal lives;
To form partnerships with businesses, industries, public agencies, organizations, schools, etc. in an effort to offer professional development to employees;
To serve as a recruitment tool for prospective students.

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

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

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

ACADEMIC ADVISING PROGRAM

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

Academic advising begins during New Student Orientation. The advisors are responsible for assisting students in completing the General Education Core Curriculum. Information about the Academic Advising Program is disseminated to students and faculty through presentations at Orientation for new freshmen and transfer students, during faculty meetings, through emails, and in the Academic Advising Newsletter, as well as in the Freshmen Seminar classes.

TUTORIAL AND ACADEMIC SUCCESS PROGRAM

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

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

GEAR UP SUCCESS COACH PROGRAM

GEAR UP North Carolina (Gaining Early Awareness and Readiness for Undergraduate Programs in North Carolina) is a college access initiative funded by the U.S. Department of Education and designed to increase the number of first-generation, low-income students who are prepared to enter and succeed in postsecondary education.

The GEAR UP Success Coach works to support first-year experiences at Elizabeth City State University. The students are from target high schools covering twenty-five counties within North Carolina. This is done through high-quality, high-touch coaching, providing accountability, and facilitating successful personal development. The GEAR UP Success Coach also strives to encourage interest in postsecondary education and build support for student success.

INTERNATIONAL PROGRAMS

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

The mission of the OIP is to provide all students (undergraduate and graduate) with a pathway for
international learning experiences in order to increase intercultural understanding. For further information, contact Dr. Andre Stevenson in the Office of International Programs at (252) 335-3294.

Study Abroad

The OIP partnered with the Council on International Educational Exchange (CIEE) and the Benjamin A. Gilman International Scholarship programs. Established in 1947, CIEE is the oldest international exchange and study abroad program in the US which offers exchange programs, internships, scholarships, and grants to students who wish to study or intern in any part of the world. The Gilman Scholarship was established in 2000 through the US Department of State and offers up to $8,000 in scholarships to students who study abroad for a minimum of three weeks during any academic term. ECSU continues to have successes whereby students receive funding and study abroad through both organizations. Students have received scholarships to study abroad in Argentina, Brazil, China, Japan, Mexico, Morocco, Peru, South Africa, Spain, and Taiwan. Students are eligible to receive course credits toward graduation. Webinars, face-to-face workshops, and Zoom meetings are scheduled throughout the academic year to provide students with information regarding study abroad opportunities.

Study abroad is affordable. Financial aid, including scholarships and grants through CIEE, Gilman, and other organizations may be used to pay for study abroad. For further information, contact Dr. Andre Stevenson in the Office of International Programs at (252) 335-3294.
Community Support Services

Arctic and Antarctic Research Experience for Undergraduates

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

Center of Excellence in Remote Sensing Education and Research (CERSER)

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

Engaging Minority University STEM Education Professors in the Science of Climate Change

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

Glacier Exploration and Polar Science Education Program

The Glacier Exploration and Polar Science Education Program provides students with genuine research experiences, augmented by mentoring and sustained engagement with the polar community. The Glacier Exploration and Polar Science Education Program accesses the facilities available at the Icefield Research Program in Alaska, the CERSER facility at ECSU, and the Brathay Exploration Group in Norway. The program operates in partnership with
HIV/STD PREVENTION PROGRAM

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

INCREASING THE PHARMACY WORKFORCE IN NORTHEASTERN NC

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

NASA MUREP AEROSPACE ACADEMY OF NORTHEASTERN NORTH CAROLINA

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

DRONE EXPLORATION ACADEMY

The goal of the Drone Exploration Academy is to capitalize on the increasing popularity of unmanned aerial vehicles (UAVs), commonly known as Drones, to spark student interest and provide an experiential learning opportunity (ELO) in science, technology, engineering, and mathematics (STEM). Through hands-on project activities, students will be engaged in real-world engineering design and scientific investigation using drones. **Funding Agency:** Burroughs Wellcome Fund (BWF) and NASA.

NATIONAL SUMMER TRANSPORTATION INSTITUTE

The NSTI program has offered on ECSU campus for over two decades. The goal of the program is to expose high school students to careers in transportation and how STEM training is the key to obtain these careers. The four-week program covers topics in physics, electronics, programming, computer-aided-design, and mathematics. Lectures are complimented weekly field trips and guest speakers. **Funding Agency:** Federal Highway Administration (FHWA)

ECSU-AIR FORCE JUNIOR ROTC FLIGHT ACADEMY

ECSU - Air Force Junior ROTC Flight Academy is an approximately 8-week summer aviation-training program. Upon successful completion of the program, students will be prepared for Private Pilot’s Certification. The Flight Academy is intended to inspire and encourage high school youth toward aviation careers. The scholarship program is a collaborative effort between the Institution of Higher Education and the Air Force to address a national pilot shortage. The Flight Academy also addresses a secondary national issue of diversity. Air Force Junior ROTC currently has 125,000 cadets enrolled...
in high schools across the nation and is the Air Force’s most diverse program.

**NASA TOTAL ANTARCTIC ICE SHEET DISCHARGE PROGRAM**

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

**POLAR GRID INFRASTRUCTURE PROGRAM**

The Polar Grid Infrastructure Program includes support for training activities associated with new partnerships across academia, government agencies, private sectors, and polar scientists who are targeted as users of the Polar Grid Research. One of the major goals of this Program is to foster the integration of Polar Science research and education through the use of the virtual classroom environment and the smaller ECSU Grid. The project will extend the virtual classroom capabilities and installation of a GRID network for training purposes. Another goal of this program is to make a wide range of resources available in the form of on-site training, on-line tutorials and courses, and other resources for education, outreach, and training. **Funding Agency:** National Science Foundation.

**SCIENCE GATEWAY INSTITUTE**

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

MISSION

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

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

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

STRATEGIES

In addition to the high quality of instruction that students gain in their regular course work, Honors sections of many core courses have been developed in the General Education area. In an Honors section of a course, the course work is not only more advanced, but more in-depth.

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

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

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

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

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

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

OBJECTIVES

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

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

Admission for other students into the Honors Program is determined as follows:
1. Second semester freshmen or first semester sophomores are considered for admission to the Honors Program if they meet the admissions criteria for Honors in addition to having demonstrated outstanding performance in individual university-level courses. With approval from the Director of the Honors Program the students must also:
   a. have a cumulative grade point average of 3.25;
   b. present well-written essays of interest, intent, and commitment to participate in the Program.
2. Transfer students are welcome to apply for the Honors Program. They must present an official transcript demonstrating high academic achievement and it will be evaluated by the director of the Honors Program.
3. ECSU students who are classified as juniors may join the Honors Program, provided they enroll in Honors Seminars for the two years prior to graduation and are able to meet minimal requirements for Honors.

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

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

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

Honors Colloquia and the Senior Thesis
The heart of the Honors Program is the colloquium concept, which is designed to improve analytical,
comprehensive, oral, and written communication skills.

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

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

The colloquia will be divided according to classes as follows:

**Freshman Class—Freshman Honors Colloquia**

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

**Sophomore Class—Sophomore Honors Colloquia**

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

**Junior Class—Junior Honors Colloquia**

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

**Senior Class—Senior Honors Colloquium**

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.

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

**General Studies**

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

**Freshman Honors Colloquium**

In lieu of Freshman Seminar

**Freshman Honors Colloquium**

One each semester

**Sophomore Honors Colloquium**

**Sophomore Honors Colloquium**

One each semester

**Junior Honors Colloquium**

**Junior Honors Colloquium**

One each semester

**Senior Honors Colloquium**

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

**This course includes a Senior Honors Thesis/Research Project**

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

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

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

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

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

The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course will have an interdisciplinary theme. The Honors Seminar is designed for all sophomore-level or above Honors Program students.

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

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

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

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

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

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

**Honors Credit by Contract**

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

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

- reading in addition to that normally required for the course, attested to either by oral presentation or written work;
- guided research involving either data from primary sources, a laboratory investigation, or field research resulting in a creative presentation or an individual report with annotated bibliography and other features normally incorporated into an advanced-level-report; and/or
- class or peer presentations which are prepared, designed, and delivered to a standard that will qualify for Honors credit.

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

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

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

**UNIVERSITY HONORS PROGRAM GOVERNANCE**

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

**THE SUMMER SCHOOL PROGRAM**

**MISSION**

The Summer School Program, in support of the mission of Elizabeth State University (ECSU), is committed to educating and preparing individuals for Baccalaureate Degree programs in the arts and sciences, selected professional and pre-professional areas, and Master’s Degree Programs in Elementary Education, Biology, School Administration, and Mathematics. ECSU offers a challenging and supportive environment that prepares its students for knowledgeable, responsible participation and leadership in an ever-changing, technologically-advanced global society. The University promotes excellence in teaching as its primary responsibility for meeting the needs of the students and citizens of the state. Through its teaching, research, and community outreach, the University seeks to identify and address the needs of northeastern North Carolina with particular attention to supporting its environmentally sensitive economic development.

**GOAL**

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

The 8-week main and two 5-week summer sessions at ECSU have a three-fold purpose. First, they offer an opportunity for college students to take special courses not normally available during the academic year to broaden their academic approach. Second, they serve previously enrolled ECSU students who desire to hasten their acquisition of college degrees or to gain additional credits toward completion of their class standings. Third, they provide incoming freshmen an opportunity to adapt themselves to the academic demands of college in an environment that is relatively free of the usual pressures of extra-curricular activities. The eight-week wrap-around session gives students the option of a more lengthy session for the mastery of more difficult courses.

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

SUMMER COURSE LOAD

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

PROGRAM EXPECTATIONS

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

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

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

The schedule of classes, instructional formats, program designs, and faculty and staff office hours have been conveniently established with our students’ best interests in mind. Academic support services are also offered during the summer through our advisors and counselors along with career development and academic counseling. The Web-based course management system Blackboard is an essential tool used to facilitate the instructional process. A small student-faculty ratio makes possible an intimate classroom environment. The short length of the summer session provides an opportunity for students to take courses at approximately one-half the cost per semester hour as during the academic year. Thus, considerable savings are possible to the student who completes his or her degree requirements in three years by going to two or three summer sessions.

ECSU professors and adjunct faculty provide the same quality of instruction as expected during the regular academic year. Regular ECSU professors and impressive adjunct faculty provide the instruction. The course content and academic standards in all courses are the same as in regular semesters. However, there are some basic differences that give the Summer School a distinct character of its own.

ECSU’s campus is full of activities during the summer months with Fall incoming freshmen participating in student orientation, advising, financial aid, and the registration process. A number of workshops, seminars, symposia, and institutes supported by local, state, and federal agencies are held on campus during the summer. These activities facilitate the successful integration of students into the academic and social components of the campus environment. During the summer, the facilities of the University are also utilized by a variety of programs, including NC-MSEN, Upward Bound, VA-NC LSAMP Program, V.I.K.I.N.G.S. Academy Scholars Program, and others, bringing students of all ages with diverse interests to ECSU.

PROGRAM ADMINISTRATION

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

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

OFFICE OF GRADUATE EDUCATION

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

The graduate degree program offerings include:

• The Master of Education in Elementary Education: A 100% online program with concentrations in Initial Certification and Teacher Leadership.

• The Master of School Administration: A rigorous program that leads to a certification as a K-12 Principal for public schools in North Carolina.

• The Master of Science in Biology, which includes two concentrations: Biological Sciences and Biology Education. The Biological Sciences track offers opportunities to study in the areas of microbiology, cell biology, plant and animal molecular biology, and biotechnology.

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

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

The School of Education and Business
- Department of Business, Accounting and Sports Management
- Department of Education

The School of Humanities and Social Sciences
- Department of English and Digital Media Arts
- Department of Social Sciences
- Department of Music and Visual Arts
- Department of Military Science

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

Academic Affairs also oversees the management and operations of Admissions and Recruitment, Student Financial Aid and Scholarships, and the Office of the Registrar. 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 offices outlined below.

ADMISSIONS

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

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

STUDENT FINANCIAL AID AND SCHOLARSHIPS

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

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,
OFFICE OF ADMISSIONS

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

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

<table>
<thead>
<tr>
<th>Admission Type</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Fall Admission</td>
<td>May 1</td>
</tr>
<tr>
<td>Priority Fall Semester Admission</td>
<td>August 1</td>
</tr>
<tr>
<td>Early Spring Admission</td>
<td>November 1</td>
</tr>
<tr>
<td>Priority Spring Semester Admission</td>
<td>December 1</td>
</tr>
<tr>
<td>Summer Session Admission</td>
<td>The First Day of Instruction</td>
</tr>
</tbody>
</table>

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

Application Process
1. Application forms may be submitted online at: www.ecsu.edu
2. Applications must be accompanied by a nontransferable, nonrefundable $30 application fee (or fee waiver), a current official transcript, and Scholastic Aptitude Test (SAT) or American College Test (ACT) test scores.
3. Transfer applicants must have forwarded to Elizabeth City State University an official transcript of all previous college work and an official high school transcript(s), if applicable. Applications must list all colleges attended, including date(s) of attendance. After being accepted, each student is required to submit official final documentation of high school transcripts, college transcripts, and test scores. Students who do not submit all required documents and/or forms as requested by the first day of instruction, will have an administrative hold placed on their students account and/or be subject to dis-enrollment from the University.
4. All identified Military affiliated students will be referred to the office of the Director of Military Affairs for further assistance. This office is required to have on file an official high school transcript for all undergraduate students, including transfer students, who are eligible to receive VA benefits. Certification will not occur if official transcripts from previously attended institutions are not submitted for application processing.

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

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

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

Six course units in language, including
- four units in English, and
- two consecutive units of a language other than English.

Four course units of mathematics in any of the following combinations:
- Common Core I, II, III, and one unit beyond common Core III
- Algebra I and II, Geometry, and one unit beyond Algebra II,
- Algebra I and II, and two units beyond Algebra II, or
- Integrated Math I, II, and III, and one unit beyond Integrated Math III.

(The fourth unit of math affects applicants to all UNC institutions except the North Carolina School Of the Arts). It is recommended that prospective students take a mathematics course unit in the twelfth grade.

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

Two course units in social studies, including one unit in U.S. History, but an applicant who does not have the unit in U.S. History may be admitted on the condition that at least three semester hours in that subject will be passed by the end of the sophomore year at Elizabeth City State University.

Applicants who graduated from high school from June 1990 to June 2006 must meet the following:
- Graduation from an accredited secondary school (If the applicant did not graduate, a high school equivalency or GED is required.)
- Presentation of a satisfactory combination of high school grade point average (GPA), and SAT or ACT scores. A high school GPA of 2.0 or above.
- Students must also pass the North Carolina Competency Examination or its equivalent in their state or country of origin.

*UNC Policy Manual 700.1

Minimum High School GPA and SAT/ACT Scores

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

<table>
<thead>
<tr>
<th>Students Entering in the Fall</th>
<th>Minimum GPA</th>
<th>Minimum SAT</th>
<th>Minimum ACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5</td>
<td>OR 1010</td>
<td>OR 19</td>
<td></td>
</tr>
</tbody>
</table>

*University of North Carolina Policy Manual 700.1

**RISING VIKING SCHOLARS (RVS)(MAR PILOT)**

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

**Graduate of Cooperative Innovative High Schools - Early College**

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

**Frequently Asked Questions**

**Q. Is the GPA score based on the weighted or unweighted GPA?**
A. The weighted GPA will be used to determine if the student satisfies the minimum GPA requirement.

**Q. Is the GPA calculated based on all my courses or just the courses for the college preparatory curriculum?**
A. The GPA is the cumulative GPA based on all courses taken during high school.
Q. If I take the SAT or ACT more than once, will my highest combined score be used even if it is derived from two different test dates?
A. Yes. The highest score received on any administration of the SAT for evidence based reading and writing will be combined with the highest score received on mathematics. The highest score on each ACT subscore will be used for computation of the composite.

Q. What if my GPA is under 2.50, but my SAT is more than 880? Do I meet the requirements?
A. No, you must meet both the minimum GPA and the minimum SAT score to be eligible for admission. Exceptions to the minimum requirements are handled on a case-by-case basis and in rare instances.

Q. What if I graduate in 2010, but do not apply to Elizabeth City State University until 2017? What requirements must I fulfill?
A. The minimum scores that were in effect the year you graduated from high school will be applied to determine eligibility.

Q. What if I decide to go to the community college first and transfer later? Does my high school GPA and SAT/ACT scores count toward admissions?
A. If you complete the A.A. or A.S. degree or a minimum of twenty-four (24) transferable semester hours with a minimum cumulative GPA of 2.00 from the community college, then the minimum GPA and test scores do not apply, but you will be evaluated on your performance at the community college. If you do not complete the A.A. or the A.S. degree or twenty-four (24) transferable hours with a minimum cumulative GPA of 2.00 from the community college, then your high school GPA and SAT scores will be used to determine eligibility.

Admission: Transfer Students or Advanced Standing
1. The Admissions Office will consider applications from students seeking to transfer from junior and/or community colleges or four-year colleges and universities accredited by their respective regional associations if the applicants have an overall cumulative GPA of 2.0 (C) or above in the institution from which they are transferring and if they are eligible to return to that institution.
2. Each transfer applicant must provide official transcripts covering all college work attempted. College courses that have not been completed within the last seven years may need to be reviewed by your academic program of study to determine transferability for transfer credit.
3. Transcripts will be evaluated in relation to the requirements of the specific academic program for which the student is accepted.
4. Grades less than "C" will not be accepted for transfer credit.
5. Students who have been placed on academic probation at their institutions but who are eligible to return to that institution will be considered for admission with the same status at Elizabeth City State University. Students who have been dismissed or suspended for disciplinary reasons from their institutions will not be permitted to enroll at ECSU.
6. Prospective students who have attended an accredited college but who have earned less than 24 semester hours of transferable credit must meet the freshman admission requirements. Also, the students must be eligible to return to the previous institution. Therefore, a transfer clearance form must be submitted by all applicants.

Special, Transient, and Military Students
(Not Applicable to Freshmen or Transfer Students)
1. Applicants who are regularly enrolled students at another institution may be admitted as a transient student provided the appropriate official at their institution: (a) authorizes their attendance at Elizabeth City State University, (b) approves in advance the course work, (c) indicates the individual is in good standing at that institution, and (d) approves the transfer credits taken at ECSU.
2. Special students are admitted for one term only (space permitting) and must be readmitted at the beginning of each subsequent term. Such applicants may be required to present evidence of having earned a college degree or evidence of the need for a specific course.
3. All special students who desire to become candidates for a degree at Elizabeth City State
University must meet appropriate admission requirements.

4. Special students are designated as those who are: (a) seeking certifications, (b) seeking licensure, (c) members of a college/university consortium, (d) auditing courses, or non-degree seeking.

5. A maximum of 24 semester hours may be completed as a special student. Also, special students are not eligible for financial aid. For specific questions on any of these categories, please contact the Office of Admissions and Recruitment at (252) 335-3305.

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

NC Residency Determination

NC Residency Determination Service (RDS)

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

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

Purpose and Background of North Carolina Residency

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

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

**Residency Determination Service (RDS)**

The purpose and mission of RDS is to provide leadership and administration of residency determinations in accordance with North Carolina residency laws and applicable federal statutes. The RDS goal is to provide students access to transparent information and the opportunity to claim NC residency in a simple, accurate and straightforward manner. For more information on residency for tuition purposes contact RDS at: www.NCresidency.org, 844-319-3640 (phone), 919-835-2427 (fax)

**Determining Residency Status**

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

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

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

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

**Determination of Intent**

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

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

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

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

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

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

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

Reconsideration and Appeals
Students who have been determined as nonresidents by RDS may request a reconsideration and appeal of their determination for tuition purposes through RDS. To request a reconsideration or appeal, go to www.NCresidency.org and login to your account.

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

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

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

Advanced Placement Program/College Level Examination Program (CLEP)

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

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

Course Audits

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

FINANCIAL AID PROGRAMS

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

How To Apply for Financial Aid

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

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

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

Grants

FEDERAL PELL GRANT

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

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG)

FSEOG is awarded based on your Expected Family Contribution (EFC). Students with the lowest EFC receive priority.
North Carolina Education Lottery Scholarship (ELS)
The North Carolina Education Lottery Scholarship (ELS) was created by the 2005 General Assembly to provide financial assistance to needy North Carolina resident students attending eligible colleges and universities located within the state of North Carolina. Eligibility is determined based on need. This award is determined by the state of North Carolina.

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

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

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

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

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

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

William D Ford Federal Direct Loan (Direct Loan) Programs
Direct loans are backed by the federal government. The U.S. Department of Education is the lender. Credit checks are not required for Federal Direct loans. There are two types of Direct Student Loans: subsidized and unsubsidized. Students must demonstrate financial need as determined by the FAFSA to receive a subsidized Direct Loan. The U.S. Department of Education will pay the interest on a subsidized Direct Loan during certain periods of enrollment. A promissory note and entrance counseling must be completed at www.studentloans.gov. Additional information regarding interest rates and repayment options can be found online at https://studentaid.ed.gov/sa/.

Direct PLUS Loans:
These are loans made to eligible parents of dependents, graduate or professional students to help cover the cost of education. PLUS loans do require a credit check. Additional information can be found online at Parent PLUS Loans | Federal Student Aid. Parents can apply online at www.studentloans.gov.

ANNUAL LOAN LIMITS:

Dependent Students:

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

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

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

Maximum Total Debt Upon Completion of Undergraduate Studies:

• Dependent Students: $31,000 - Maximum $23,000 subsidized
• Independent Students: $57,500 - Maximum $23,000 subsidized

Financial Aid Policies and Conditions of Awards

The following financial aid policies and conditions of award apply to students who are recipients of federal or state financial assistance while attending Elizabeth City State University:
• Students must apply annually for federal aid by completing the Free Application for Federal Student Aid (FAFSA) at www.studentaid.gov
• Students are encouraged to apply by March 1 of each year for priority funding opportunities
• Students must be regularly admitted to ECSU in a degree-seeking status and must be enrolled in an eligible degree-seeking program prior to the first day of the term to participate in federal and state aid programs.
• Provisionally admitted and special-admitted students are not eligible for financial assistance. Transient students should contact their home institution for financial aid.
• Students must (1) meet the school’s Satisfactory Academic Progress Standards, (2) not owe a refund on any grant or be in default on any educational loan and (3) not have borrowed in excess of the loan limits under the Title IV programs at any institution.
• Financial aid is limited to coursework required for the declared major as stated in this catalog. Financial aid is not available for audit courses. Students are allowed to receive financial aid while repeating a previously-passed class once.
• Students must be engaged in classes in which they have enrolled to be eligible for aid payment.
• Students must submit all required documents. Failure to submit the requested documents may result in a delay or loss of financial aid funds.
• The Office of Financial Aid and Scholarships cannot award federal, state, and institutional funds over the student’s published Cost of Attendance budget.
• Any outside scholarships or alternative loans must be reported to the Office of Financial Aid and Scholarships - these funds may require the reduction of other financial aid the student receives.
• Financial aid awards are based on full-time enrollment for each term awarded. Less than full-time enrollment may require an adjustment to the aid award. Undergraduate enrollment consists of a minimum of 12 hours to be full-time. Graduate students enrolled in 9 semester hours are classified as full-time and 4.5 semester hours as half time.
• Students awarded a federal student loan must complete loan counseling prior to their first loan disbursement. Federal regulations require that first-year, first-time borrowers will have their first loan disbursement delayed 30 days after enrollment. Counseling is available online at www.studentloans.gov.
• Financial Aid is awarded on an annual basis (Fall and Spring). Institutional charges (tuition, fees, room and board) will be deducted from the financial aid award each term. Students should be prepared to pay any difference owed by the fee payment deadline. For students with aid greater than the institutional charges, any remaining funds are released no later than 14 calendar days after their first day of class or the balance occurs, whichever is later.
• Employment in the Federal Work-Study program is not guaranteed. Awards are based on funding and position availability. Students cannot earn more than their annual award. Students who receive an "unsatisfactory" job performance evaluation will be terminated from the program.
• Students receiving financial aid who withdraw or
who stop engaging all classes are subject to regulations regarding the return of funds to the aid programs. Federal aid recipients withdrawing before the 60 percent point of the term may owe a repayment of federal funds received. Refer to the Withdrawal Policy of this catalog.

Satisfactory Academic Progress - Financial Aid

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

SATISFACTORY ACADEMIC PROGRESS

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

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

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

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

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

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

Completion Rate (Quantitative)

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

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

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

Maximum Time Frame

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

Attempted hours include all attempted hours at ECSU and all accepted transfer credit. Double majors are expected to complete their program of study within 180 credit hours. If the student qualifies for graduation in a particular major but makes a personal decision to double major, the student is no longer entitled to receive Federal Title IV Aid.

Second degree students are required to complete their second degree within the maximum 150% of the hours required for the second degree (maximum of 270 including hours for the first degree). For graduate students, the maximum time frame is 54 attempted hours. If the time limit has been exceeded, aid
eligibility ends. The student will be placed on financial aid suspension status.

Grades

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

Financial Aid Warning

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

A student on financial aid warning must meet all three SAP standards at the end of the next semester of attendance to be in good financial aid standing. Failure to do so will result in financial aid suspension.

Financial Aid Suspension

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

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

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

Appeal of Financial Aid Suspension

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

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

- One Semester Probation – The student is eligible for financial aid, and is expected to improve and meet minimum standards by the next evaluation period to maintain eligibility.
- Multiple Semester Probation (Max 3 semesters) – A student who cannot meet the minimum standards by the next evaluation period is placed on probation for up to 3 semesters with an assigned SAP academic plan. The academic plan is designed to allow the student to meet minimum standards within a fixed number of evaluation periods. Progress is checked each semester and evaluated based on minimum SAP requirements and the prescribed academic plan. If a student meets the minimum SAP standards after a probation semester, their financial aid status is updated to eligible for their next semester of enrollment.

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

Undergraduate students in a four-year program are allotted a maximum of two approved appeals for the duration of their program; graduate students are allotted a maximum of one approved appeal.
Withdrawal Policy (Treatment of Title IV funds when a student withdraws)

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

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

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

Students who are seeking to withdraw and who have borrowed loans at the University are required to complete a Direct Student Loan Exit interview at Exit Counseling | Federal Student Aid.

DEGREES OFFERED

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

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

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

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

MINOR — A minor consists of a group of prescribed and elective courses in an academic discipline, two or more related disciplines, and interdisciplinary fields of study, or a specially designed individual program. It differs from a major principally in requiring fewer courses and providing less depth. A student may not major and minor in the same field. All minors at ECSU are defined in terms of a specific number of semester hours which may range from 18 to 24 semester hours. The exception is Secondary Education, ranging from 24 to 31 semester hours.

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

Bachelor of Science Degree

Accounting Graphic Design
Aviation Science Homeland Security
Biology Kinesiology
Business Administration
Chemistry
Computer Science
Criminal Justice
Emergency Management
Engineering Technology
Bachelor of Arts Degree
English
Music
Digital Media Art
Interdisciplinary Studies
History
Bachelor of Social Work
Social Work
Bachelor of Science in Education Degree
Birth–Kindergarten (BK)
Elementary Education (Grades K-6)
Special Education
Bachelor of Science Degree with Teacher Licensure
Biology
Mathematics
Physical Education
Bachelor of Arts Degree with Teacher Licensure
(Minor in Education K–12)
English
History
Music
MINORS/CONCENTRATIONS
CONCENTRATIONS
Avionics
Behavioral Health
Child, Family, Community
Community Services
Composition
Comprehensive Science
Computer Networking Engineering Technology
Data Science
Digital and Public History
Economics and Finance
Electrical and Computer Engineering Technology
Entrepreneurship
Environmental Technology
Exercise Science
Fitness and Wellness
Flight Education
General Biology
General Science
Global Studies
Information Systems
Management and Administration
Management and Entrepreneurship
Marketing and Management Information Systems
Marketing and Promotion
Math
Mechanical Engineering Technology
Molecular Biotechnology
Music Business
Music Licensure
Performance
Physical Education and Health
Politics and Government
Pre-Med/Pre-Dental
Psychology
Race, Gender, and Ethnicity Studies
Security Studies
Social and Behavioral Sciences
Social Science
Sound Recording
Sport Communication
STEM
Teacher Education
Unmanned Aircraft Systems
MINORS
Accounting
Africana Studies
Business Administration
Communication Studies
Computer Science
Criminal Justice
English
Entrepreneurship
History
Juvenile Justice
Mathematics
Military Science
Pre-Law
Sociology
Spanish
STUDENT RECORDS PRIVACY POLICY

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

RELEASE OF DIRECTORY INFORMATION

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

CHANGE OF NAME AND ADDRESS

It is the obligation of every student to notify the Office of the University Registrar of any name change by providing a copy of their most recent Driver’s License, Marriage License or Social Security Card. Address changes can be made on line via Self Service Banner.

TRANSCRIPTS OF RECORDS

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

ONLINE TRANSCRIPT ORDERING

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

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

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

The standard processing time for a transcript request is three business days. Transcripts older than Fall 1994, data mismatches and/or requests received during peak periods such as the end of a semester may require additional time for processing. An email notification will be sent when the transcript has been processed for delivery.

The fee structure is listed below. It is important to note that the only way to receive your transcript is through the online option.
Elizabeth City State University will prevent transcripts from being released until all obligations to the university are paid in full. All orders placed on hold due to indebtedness will be cancelled after 30 days. Current students can view their holds in their Self Service Banner Accounts. Former students may contact the University Bursar at 252-335-3471 or by email at bursar@ecsu.edu.

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

## INDEBTEDNESS

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

## PROGRESS TOWARD GRADUATION IN FOUR YEARS

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

## READMISSION: REINSTATEMENT OF FORMER STUDENTS

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

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

Students with a break in their enrollment studies of less than six (6) years are governed by the catalog of courses automatically withdrawn by the University Registrar’s Office.

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

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

### 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.

Students who register early and fail to confirm courses and pay fees by the dates designated for official registration will have their schedule of
initial enrollment to the University. Students with a break in their enrollment of more than six (6) years are governed by the catalog year of readmittance to the University.

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

REGISTRATION

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

Students planning to return to the University after a break in enrollment, earning a degree or attending another university are required to re-apply on line via the Admissions Webpage to obtain readmission status.

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

CANCELLATION OF COURSE SCHEDULES

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

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

CHANGE OF COURSE SCHEDULES

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

ADDING AND DROPPING COURSES

ECSU emphasizes the importance of students making realistic course load decisions, staying focused, and completing courses. But there may be situations when a student must withdraw from a course. Students may withdraw from any course or courses by accessing Self Service Banner on or before the last day to withdraw from an individual course, as published in the Academic Calendar. This policy specifies limitations on course withdrawals.

MAXIMUM COURSE WITHDRAWAL (SEMESTER HOURS)

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

AUDITING COURSES

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

ACADEMIC ELIGIBILITY STANDARDS

ACADEMIC STANDING (EFFECTIVE FALL 2014)

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

The cumulative GPA compared to the semester hours attempted and earned is used to determine the academic standing of a student. Evaluations are made to determine the academic standing of students at the end of the Fall and Spring semester. To determine the academic eligibility of transfer students, total credit hours accepted from other institutions are added to the credit hours attempted and credit hours earned at ECSU. Students are expected to maintain awareness of their academic standing by obtaining periodic assistance from their assigned academic advisors and/or the University Registrar’s Office. The minimum academic standing requirements are as follows:

<table>
<thead>
<tr>
<th>Cumulative Earned Hours</th>
<th>Minimum Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 29</td>
<td>2.0</td>
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<tr>
<td>30 – 59</td>
<td>2.0</td>
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<tr>
<td>60 – 89</td>
<td>2.0</td>
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<tr>
<td>90 – 190</td>
<td>2.0</td>
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<tr>
<td>2nd Degree &amp; Certificate</td>
<td>2.0</td>
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ACADEMIC SANCTIONS

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

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

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

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

Academic Warning

A student will be placed on academic warning for one semester when the student’s cumulative GPA falls below 2.0 or their cumulative completion rate (earned hours divided by attempted hours) is less than 67% at the end of a semester, including summer sessions. Students with a status of academic warning may enroll in courses and must complete an Academic Intervention Plan.

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

Academic Probation

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

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

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

**Academic Suspension**

A student who does not achieve a cumulative GPA falls below 2.0 and a cumulative completion rate of at least 67% at the end of their probation term shall be placed on academic suspension. Students on academic suspension may not enroll in courses. Students who are placed on academic suspension may appeal. Students who do not appeal their suspension must sit out of ECSU for two consecutive semesters, not including the summer session. After the required two semester absence, suspended students may apply to the university to be readmitted on academic probation.

**Academic Suspension Appeals**

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

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

**All appeals must be submitted by published university deadlines.**

Students placed on academic suspension, but readmitted through the appeal process will be placed on Academic Probation and be limited to a course load of no more than 15 semester hours during the first semester of readmission and follow all other requirements outlined in Academic Probation. Students returning from suspension must maintain a 2.3 semester GPA and must successfully complete at least 70% of their attempted hours each semester until they have a cumulative GPA of 2.0 or better and earned a minimum of 67% of the cumulative credit hours they have attempted.

Students returning from academic suspension who fail to maintain a 2.3 semester GPA and successfully complete at least 70% of their attempted semester hours will be subject to suspension. Students who have been suspended a second time for academic reasons may not apply for readmission within a minimum of two consecutive semesters from the date of suspension. Students who have been suspended a third time for academic reasons shall be permanently suspended unless special permission is granted for readmission by the Provost and Vice Chancellor for Academic Affairs or they are admitted under the Special Readmit Policy.

**CHANGE OF MAJOR/DECLARATION OF MAJOR**

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

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

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

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

2. Official Supporting Documentation

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

WITHDRAWAL FROM THE UNIVERSITY FOR UNDERGRADUATE STUDENTS

All students who are officially registered for classes and who wish to withdraw from the University must complete the withdrawal procedure at least two weeks prior to final exam week. Students must visit the Office of the Registrar to begin the process. The Registrar will explain the process, the consequences and the possible options relative to withdrawing from the University. Students will be directed to the OSFAS in order to address financial obligations. Students who have a pending judicial charge are not allowed to withdraw from the University before the outcome of charges is completed on campus. In accordance with this policy, the University Registrar will record grades of "WD" based upon the Withdrawal Report. Students who do not officially withdraw from the University will receive a grade of "F." Students who are administratively withdrawn from a course or the University for disciplinary reasons and/or under special circumstances with written approval from the Vice Chancellor for Student Affairs will receive a grade of "WA."

ACADEMIC ADVISING

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

ACADEMIC HONORS

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

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

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

THE HONOR ROLL: This list consists of the names of students who carried 12 semester hours or more and earned a semester grade point average of 3.0 to 3.49. In determining other academic honors and awards, a student’s cumulative grade point average is used. The GPA is computed by dividing the total number of quality points earned by the total number of GPA hours attempted, exclusive of authorized withdrawals and repeated courses.

CHANGE OF GRADE

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

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

CLASS ATTENDANCE POLICY

Class Attendance

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

Student's Responsibility

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

The Instructor's Responsibility

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

CLASSIFICATION OF STUDENTS

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

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

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

COMMENCEMENT HONOR MARSHALS

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

COURSE LOAD

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

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

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

CREDIT AND PLACEMENT REGULATIONS

Transfer Credit, Transient Credit, College Level Examination Program, General and/or Subject Examination Credit, Correspondence Credit, and Extension Credit are coordinated through the Office of Admissions and the Office of the Registrar.

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

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

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

DOUBLE MAJOR

A student may complete a major in two separate disciplines by fulfilling course requirements for each major. Students desiring to carry a double major will be advised in both majors by the advisors in the respective departments.
EXTENSION CREDIT
Credit earned through extension classes is considered off-campus credit and may be used to satisfy degree requirements when approved in advance by the chair of the student’s major department and by the Provost and Vice Chancellor for Academic Affairs. A student must file a request and obtain the approval of the department chair and the Provost and Vice Chancellor for Academic Affairs, prior to taking the off-campus course, and must earn not less than a "C" grade in the course to be granted credit for it. No more than 24 semester hours of extension credit may be used toward fulfilling degree requirements.

FINAL EXAMINATIONS
Final examinations are required in all courses and are held at the close of each semester. There will be no departure from the printed schedule of examinations. Changes for individual emergencies will be made only with the approval of the instructor and the department chair. A student who is absent from an examination without an excuse will be given the grade of "F" for the examination. An Incomplete will be given in the case of a student being absent from the final examination who presented a satisfactory excuse to the instructor, approved by the department chair.

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

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

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

Students and advisors may view grades electronically for all semesters.

GRADING SYSTEM
A Designates work of exceptionally high quality. The "A" grade represents the highest level of academic achievement; 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 achievement; 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 achievement; 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 achievement; 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 ENGL 102 Composition I and ENGL 103 Composition II 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.

FC A “FC” grade designates work as unsatisfactory. FC will be assigned to a student to indicate unsuccessful completion of the course and no credit is awarded. This grade is not calculated into a student’s GPA.

I Indicates that the student may have maintained a passing average, but for reasons beyond the student’s control course assignments have not been completed. An
instructor should give a student an "I" grade ONLY for justifiable reason. An "I" grade carries no quality points and is computed in the student's GPA.

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 or a grade change was submitted with a failing grade. An "IF" grade carries no quality points and is computed in the GPA.

IP Indicates that the student has not completed the Senior Honors Thesis/Project or has not passed the PRAXIS to exit EDUC 400. This grade is awarded only for students enrolled in HON 494 Senior Honors Colloquium. Students may take two semesters to complete the Senior Colloquium Thesis/Project with an "IP" (In Progress) grade for the first semester. Students may take three semesters to complete EDUC 400. The "IP" grade may also be awarded in graduate courses that require theses and in certain Flight Courses dependent upon the completion of all required flight hours.

P A “P” grade designates work as satisfactory. P grades will be assigned to a student to indicate successful completion of the course. P grade will be given for an A, B, C, D grade. P grades do not carry any quality points and do not factor into a student’s GPA.

P1 A “P1” grade designates work as satisfactory. P1 grades will be assigned to a student to indicate successful completion of the course. P1 grades will be given for an A, B, or C grade. P1 grades do not carry any quality points and do not factor into a student’s GPA.

P2 A “P2” grade designates work as less than satisfactory quality. A P2 grade will be given for D grade. A P2 grade will only fulfill degree requirements that do not require a C or better for completion. A P2 grade does not carry any quality points and does not factor into a student’s GPA.

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.

WE Withdrawal for extenuating circumstances will be assigned to a student who has provided documented evidence to support extenuating circumstances that prevented them from being able to continue the course.

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

WD Withdrawal from the University.

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

GRADUATION HONORS

Graduation Honors Policy

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

Cum Laude for GPA 3.25 through 3.59
Magna Cum Laude for GPA 3.60 through 3.79 (No grade below "C")
Summa Cum Laude for GPA 3.80 through 4.0 (No grade below "C")

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

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

GRADUATION REQUIREMENTS

Elizabeth City State University awards the bachelor’s degree to students who have satisfactorily fulfilled the following graduation requirements:
• completion of all General Education courses as prescribed by the University for all students;
• have an overall grade point average of 2.0, and a major grade point average of 2.0 or higher, depending on the academic department;
• completion of all courses and other requirements prescribed by the major department (for specific department or program requirements, see individual sections as described in this catalog.);
• a record of having taken and completed the required examinations or approved equivalents for exiting the program of study;
• demonstration of personal and professional qualities which are expected of an educated person, as verified or affirmed by the appropriate university officials;
• approval and recommendation by the department and general faculty as a worthy candidate for graduation;
• filing of an Application for Graduation for the Fall by September 15, Spring by November 15, in the Office of the Registrar;
• meeting all financial obligations to the University through the Office of Business and Finance; and
• meeting the residence requirements of the University.

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

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

INDEPENDENT/INDIVIDUAL STUDY

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

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

MILITARY SCHOOL CREDIT

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

PROCEDURES FOR EVALUATION OF TRANSFER CREDITS

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

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

QUALITY POINT SYSTEM

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

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

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

**EXAMPLE:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>GPA Hours</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 202</td>
<td>A</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>ENGL 301</td>
<td>B</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>ECON 202</td>
<td>C</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>TECH 101</td>
<td>D</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>MATH 157</td>
<td>F</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>W</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

(24 divided by 12 = 2.0)

**REEXAMINATIONS**

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

**REMOVAL OF 'I' GRADES**

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

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

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

**REPEATING OF COURSES POLICY**

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

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

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

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

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

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

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

Appeals or request for waiver of any of the terms associated with this policy may be made to the
university’s Academic Standards and Credits Committee.

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

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

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

SEMESTER CREDIT HOURS
All course offerings are evaluated in terms of the unit of semester credit hour. A semester credit hour normally represents the completion of a course involving 150 minutes of lecture, recitation, reports, or a combination of directed learning activities each week for a semester. Thus, courses meeting for three class hours per week, or two times per week at one hour and 20 minutes, normally yield three semester hours of credit. Normally, two hours per week of laboratory work in freshman and sophomore courses allow a student to earn one semester hour of credit. Junior- and senior-level courses allow a student to earn one semester hour of credit for three to four hours of laboratory work.

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

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

Students should avoid all forms of SCHOLASTIC DISHONESTY, such as the following:
1. PLAGIARISM. Copied work, word for word or in substance, from the writings of others and presented as one’s written work for credit. It is always assumed that the written work offered for credit is the student’s own unless proper credit is given the original author.
2. COLLUSION. Working with another person in the preparation of notes, themes, reports, or other written work offered for credit unless collaboration is specially approved in advance by the instructor.
3. CHEATING ON AN EXAMINATION OR QUIZ. Giving or receiving, offering or soliciting information, or using prepared material in an examination or a quiz. When taking an examination or quiz, students are expected to refrain from talking and bringing notes and books, and must remain in the room until the examination is finished unless the instructor approves of the student’s leaving after finishing the examination or quiz.
4. IMPERSONATION. Allowing another person to attend classes, take examinations, or do graded assignments for an enrolled student under his or her name is strictly forbidden.
Incidents of academic dishonesty, which are reported to and affirmed by the Academic Standards and Credits Committee, will result in punitive measures ranging from issuing a grade of failure to expulsion from the University. The action taken will be in accordance with the severity of the act as adjudicated by the parties which are responsible for administering this policy, namely the Academic Standards and Credits Committee and the Provost and Vice Chancellor for Academic Affairs.

**STATUTE OF LIMITATION ON COURSES**

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

**STUDENT APPEAL OF COURSE GRADE**

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

**TEXTBOOKS**

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

**TRANSIENT CREDIT**

Course work undertaken by Elizabeth City State University students at other accredited institutions may be transferred to the University subject to the following regulations:

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

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

**WAIVERS AND SUBSTITUTIONS**

Waivers and substitution of courses, program requirements, and academic regulations are permissible with the proper approval. Only under unavoidable and exceptional circumstances will the advisor permit 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 Provost & Vice Chancellor for Academic Affairs for such substitutions and state the reasons for the request.

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

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

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

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

For more information contact the Division of Student Affairs, C.W. Griffin Hall, Suite 200, Elizabeth City, NC 27909 at 252-335-3279, Fax: 252-335-3502.

OFFICE OF THE DEAN OF STUDENTS

The Office of the Dean of Students is directly responsible for Student Conduct and Community Standards, Campus Assessment, Response, and Evaluation (C.A.R.E.) Team, Sexual Assault Response Team (SART)/Coordinated Community Response Team (CCRT), Alcohol and Other Drugs Education and Prevention Team, and leading student advocacy efforts.

The Office of the Dean of Students can be reached in Griffin Hall, Suite 200, Monday through Friday from 8:00 a.m. to 5:00 p.m., via phone number at 252-335-3276, or via email deanofstudents@ecsu.edu

COMMUNITY STANDARDS

Under the direction of the Dean of Students, community standards exist to cultivate an atmosphere of civility and respect among our students. Our goal is to educate students about the policies and regulations that will impact their time at Elizabeth City State University (ECSU) and to promote students' awareness and understanding of their rights and responsibilities as members of the ECSU campus community. Information regarding students' rights and responsibilities can be found in the ECSU Student Code of Conduct available here.

STUDENT ENGAGEMENT & LEADERSHIP (SEAL)

Student Engagement & Leadership facilitates student participation in various organizations, events and development opportunities such as service groups, clubs, health and wellness programs and cultural activities. The office provides experiences that supplement academic instruction and support students to develop personally, socially and intellectually through a broad spectrum of services, programs, and events. The Office of Student Engagement is responsible for Advising all Student Leader groups such as Student Government Association, Campus Activity Board, and Elizabeth City State University's Royal Court. The office also supervises all Fraternities and Sororities on campus such as NPHC and IFC.

New Student Orientation

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

Orientation Leaders

Viking Voyage Leaders (VVL) are a group of student leaders who work with new first-year and transfer students during the New Student Orientation program. Members serve as peer educators, tour guides, and discussion leaders. Students interested in VVL must have a 2.6 GPA and complete an application process by the deadline.

Student Clubs and Organizations

A variety of social, academic, and service organizations exist on campus to aid in the holistic development of ECSU students. Membership is open to all students who maintain a minimum cumulative GPA of 2.0 and who are officially enrolled in the University. Participation in clubs and organizations provides a wonderful opportunity for leadership training and social education. There are approximately 80 registered organizations.

For more information, contact: Office of Student Engagement & Leadership, Walter N. & Henrietta B. Ridley Student Center, Suite 211, Elizabeth City, NC 27909, (252) 335-3143.

Graduate Student Council (GSC)

The Graduate Student Council (GSC) is dedicated to:

- Serve as the official representative body for students enrolled in graduate programs at Elizabeth City State University.
- Provide a forum for discussion of issues, both internal and external, of concern to graduate students.
- Represent graduate student interests before the ECSU faculty and administration.
- Organize, promote, and conduct activities beneficial to graduate student life.
- Disseminate information of interest to students pursuing graduate education at ECSU.
- Provide support and assistance to graduate student organizations.

- Own and manage property and accounts which will assist in securing the above objectives.
- Select graduate students for appointment to university committees.
- Provide a common association among graduate students in all departments of the University represented with graduate programs.

Honor and Recognition Societies

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

Fraternity & Sorority Life

Joint Fraternity & Sorority Life Council serve as the umbrella organizations for all Fraternities, Sororities and Social Fellowship Groups on campus. Each has its own membership policies and goals. A member of the organization should be contacted for specific details pertaining to his or her organization.

Viking Leadership Academy

The Viking Leadership Academy (VLA) 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.

THE OFFICE OF TITLE IX

ECSU is committed to ensuring that every member of our community enjoys an environment free of sex discrimination and sexual harassment. Title IX is a federal educational amendment created in 1972 that prohibits discrimination based on sex/gender. Title IX states that no person in the United States shall, on the basis of sex, be excluded from participation in, be
denied the benefits of, or be subjected to discrimination under any education program or activity receiving federal financial assistance. Consistent with Title IX, ECSU does not discriminate against students, employees or members of the community on the basis of sex in any of its programs or activities.

Title IX requires that all educational institutions that receive federal financial assistance prohibit sex discrimination in their education programs and activities. These provisions apply to all programs and activities, including recruitment, student admissions, financial assistance, housing, access to academic offerings and athletics.

Title IX prohibits all forms of discrimination and harassment based on sex, to include sexual harassment, sexual assault, sexual exploitation, dating violence, domestic violence and stalking. In addition, it prohibits any and all forms of retaliation. Title IX applies to all students, faculty, staff, contractors, visitors and third parties. Students, faculty, or staff who violate our policies may face discipline, up to and including, expulsion or termination.

The Office of Title IX is located in CW Griffin Hall Room 130 and may be reached via the following methods: Telephone: 252-335-3907 or 252-368-6406; Email: titleixcoordinator@ecsu.edu and via the SAFE ECSU Website located on the main ECSU website www.ecsu.edu.

Under Title IX, ECSU offers the following on-campus and off-campus resources:

**On-Campus Resources**
Professional counseling services are available through Student Counseling Services. Any student that is subject to any type of sexual or physical violence should visit the Office of Student Health Services for medical attention.

**Off Campus Resources**
The Albemarle Hopeline is available to assist individuals that have been the victim of any type of sexual violence, dating violence and domestic violence. They may be reached at primary phone: (252) 338-5338 or 24-Hour Crisis Line: (252) 338-3011.

Employee Counseling Services are available to faculty and staff at ComPsych (ECSU's Employee Assistance Program Provider) Phone: (866) 511-3365

Students may also visit Sentara Albemarle Medical Center for off-campus medical attention. Sentara Albemarle Medical Center is located at 1144 North Road Street, Elizabeth City, NC 27909; Phone: (252) 335-0531.

**THE PACE CENTER**

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

Goals of the PACE Center include:
- Development of preventive and survivor-focused programming to aid victims of sexual assault and sexual violence
- Promote an inclusive learning environment
- Continued education of campus community members on the importance of consent
- Implementation of prevention and education materials for all incoming and current students
- Provision of bystander intervention training to campus and student leaders
- Fostering of dialog among campus departments and between students, faculty, and staff
- Communication of the unacceptable consequences of sexual violence on the individual and the community to students, staff, and faculty
- Development of university policy and protocol related to sexual misconduct and sexual assault

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

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

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

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

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

Career Resources
- Handshake
- Linkedin Learning
- Virtual Job Shadow
- Viking Career Closet

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

For more information contact: Career Development Center, C.W. Griffin Hall, Suite 500, Elizabeth City, NC 27909, Telephone: 252-335-3318.

STUDENT ACCESSIBILITY AND TESTING SERVICES

Student Accessibility Services
Elizabeth City State University is open and accessible to students with disabilities. We are committed to providing assistance to enable qualified students to accomplish their educational goals, as well as assuring equal opportunity to derive all of the benefits of campus life.

Through intentional partnerships with students, faculty and staff, the Office of Student Accessibility and Testing Services strives to create an atmosphere that encourages students' independence, responsibility for self, effective communication skills and a respect for the diverse learning experience.

In accordance with Section 504 of the Rehabilitation Act of 1973, and American with Disabilities Act of 1990 (ADA), Elizabeth City State University offers services to students with disabilities. Any student seeking accommodations must notify the Office of Student Accessibility & Testing Services  ada504-coordinator@ecsu.edu Students must submit required forms and provide current documentation of their disability.

Testing Services
Additionally, the Office of Student Accessibility and Testing Services offers testing (CLEP, LSAT, MAT, SAT, ACT, GRE, UNC Proctored Exams and other exams as requested).
Contact Student Accessibility & Testing Services at (252) 335-3642; ada504-coordinator@ecsu.edu
STUDENT COUNSELING SERVICES

Student Counseling Services provides professional counseling services to student enrolled at Elizabeth City State University. Beyond individual counseling, Student Counseling Services facilitates psycho-educational groups for personal and social development. Also, a series of self-development workshops are offered during the Fall and Spring semesters. Topics include, but are not limited to, the following:

- Healthy Relationships
- Depression and Anxiety
- Anger Management
- Stress and Time Management
- Grief and Loss

Student Counseling Services is free and confidential. The center is located in Griffin Hall and open to meet with students Monday-Friday, 8:30AM-4:30PM. Referrals are made for psychiatric and medication management off campus with mental health providers in Elizabeth City or with a telemedicine provider in North Carolina.

SCS Collegiate Recovery Community

Student Counseling Services has a Collegiate Recovery Community (Viking CARES) and the primary focus is substance prevention and treatment services. Viking CARES (Campus Advocates for Recovery and Educational Services) is a new program to identify students in need and encourage services. Also, Viking CARES provides outreach and training to students, faculty, and staff. Please contact Student Counseling Services for more information.

SCS Counseling Practicum & Internship Program

Student Counseling Services provides training to students who are completing requirements for a Master’s degree in Mental Health Counseling. Students are required to complete an interview and submit a reference letter from your department confirming readiness to begin the practicum or internship experience. Practicum and internships are nonpaid positions and only available to Master’s degree seeking students.

Contact information

Student Counseling Services, Griffin Hall, Suite 300, Elizabeth City, NC 27909. Telephone: 252-335-3267 for appointments, 252-335-3275 – Director’s line

HOUSING & RESIDENCE LIFE

Housing & Residence Life

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

Residence halls are staffed by a team of Residential Life Community Directors, Resident Assistants, Desk Assistants, Graduate Assistants and Residence Security Officers. Our residence halls are staffed twenty-four hours a day. Students are encouraged to be active members of the residence hall community by planning and attending hall programs, creating and adhering to community standards and being open to new experiences. Currently, the following residence halls online:

- Bias Hall: Co-ed traditional residence hall (Living & Learning Communities). Capacity 103
- University Suites: Co-ed residence hall (juniors and seniors). Capacity: 200
- University Towers: Co-ed residence hall (freshman). Capacity: 200

The amenities offered in each residence hall are: Air conditioning computer labs, cable TV, handicapped accessible, WI-FI and laundry facilities.

A virtual tour can be taken of our residence halls (ecsu.edu)

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

Full-time students that wish to live on campus must pay the $150 non-refundable Housing Application Fee prior to each term.
A comprehensive list of the Housing and Residence Life policies and practices can be found in the Housing Agreement and Resident Student Handbook.

OFFICE OF MILITARY AND VETERANS AFFAIRS

Elizabeth City State University Office of Military and Veterans Affairs supports the active-duty, veterans, spouses, and their dependents, Reserve and National Guard members, and ROTC cadets. We use the university resources to help our active-duty veterans, spouses, and dependents attending ECSU. This office assists student veterans, active duty-service members, spouses, and dependents with securing their educational benefits provided by the U.S. Department of Veterans Affairs. The Staff provides a sense of community through veteran-center events and activities and heightens awareness of veterans’ issues among the campus community. We advocate on issues that are relevant to student veterans on state and federal issues. Maintain a rich veteran heritage on the university campus.

The Office of Military and Veterans Affairs is dedicated to the success of our affiliated military students even before they start their educational journey. OMVA assists active military members, veterans, spouses, and their dependents. We help with processing education benefits, connecting them to the degree program of their dreams, and easing the transition from active-duty military service to campus life. We are here to help them on their journey. OMVA will give our veterans the support and raise awareness of veterans’ issues among the campus and local communities and support student veterans through graduation and a rewarding career.

International Students

The Office of International Students welcomes all new and returning international students. We are here as a resource for all F-1 students concerning immigration regulations. Our goal is to support you during your transition into life here at ECSU, the Elizabeth City community, and the U.S.

STUDENT HEALTH SERVICES

Student Health Services provides accessible, quality health care services and educational programs to promote the health and well-being of the student population. The services include diagnosis treatment and follow-up on general medical and urgent health care needs such as: allergy injections, immunizations, depo injections, HIV testing and counseling, laboratory services, COVID-19 testing, and limited pharmaceuticals. Students may incur charges for certain services rendered at Student Health Services.

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

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

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

Hours of Operation

Student Health Services clinic is open Monday through Friday from 8:00 a.m. to 5:00 p.m. There is an onsite physician available 2 days a week. Telehealth services are available to students 24 hours, 7 days a week. Should a student suffer an injury or become seriously ill on campus when Student Health Services is closed, he or she should notify the Residence Life Community Director or Campus Police. Please call 911 to activate the local emergency management system for emergencies.

Student Health Insurance

All registered students are required to have health insurance. Therefore, health insurance can be obtained through a private policy or through the plan offered by the University. The primary purpose of this coverage is to offset the costs of health.
• All registered students taking six (6) or more credit hours are required to purchase the student health insurance plan, with the following exceptions: distance education students and students who submit evidence of equivalent coverage satisfactory to the policyholder. If you do not submit a waiver online, you will automatically purchase the Student Health Insurance and the charge will remain on your student account. If you have any questions, please contact Student Accounts at (252) 335-3471.

• Students enrolled in online ONLY classes are not eligible for the state health insurance plan

• Students participating in sports are eligible to waive or enroll.

• Please note the following: Students MUST enroll in or waive out of the coverage by visiting www.studentbluenc.com/ecsu to start the enrollment or waiver process. Students that do not submit an approved waiver, and have not enrolled themselves in the program, will be enrolled automatically.

For more information on the Plan benefits and to enroll or waive, Please visit www.studentbluenc.com/ecsu

Brochures outlining the coverage and limitations may be viewed online at www.bcbsnc.com/ecsu/edu. There will be a two-week appeal period immediately following the waiver student health insurance verification process prior to the campus deadline for submitting a waiver request as well as students who filed a waiver request and had it declined. The campus-based appeal process is the same for all students across all UNC campuses.

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

Peer Wellness Ambassadors

Peer Wellness Ambassadors is a group of students trained to deliver prevention messages and encourage healthy lifestyles to their peers. Members assist Student Health Services with conducting educational programming and performing outreach activities. Interested students must have a 2.0 GPA or higher and submit an application. Applications are available online.

CAMPUS RECREATION AND WELLNESS

Campus Recreation & Wellness provides an opportunity for students to participate in a variety of recreational activities. The program includes intramural sports, aquatics, off campus adventures, weightlifting, fitness and wellness seminars. The Campus Recreation & Wellness 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, men's and women's flag football, racquet ball, co-ed softball, powder puff football, kickball, dodgeball and other sports. The aquatic program includes open free swim. The Wellness program includes Step, HIIT, Yoga and Zumba classes. The Recreation & Wellness Department collaborates with the University Counseling, Student Health and Food Services Department to provide holistic information and programming that focuses on our students/faculty and staff overall well-being.

The following facilities operate under the Recreation & Wellness Department:
• Williams Hall Gymnasium
• Wellness Center
• Outdoor Recreation Field
• Bowling Center
• Vaughan Center Swimming Pool

For more information on our intramural sport programs, activities, and wellness programs please visit the University website or give us a call at (252) 335-3428. In addition, to follow our department you can follow us on Instagram and/or Twitter at ecsu_recsports.
Walter N. and Henrietta B. Ridley Student Complex

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

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

Bowling Center

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

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

Publications

The ECSU Student Handbook is the primary source of information regarding campus life and other university regulations. Student Rights and Responsibilities, Policies and Procedures is a document that addresses the fundamental rights and responsibilities of students, which is included in the student handbook.

Intercollegiate Athletics

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

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

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

The University has athletic affiliations with the Central Intercollegiate Athletic Association (CIAA) and the National Collegiate Athletic Association (NCAA).
The Division of Information Technology (DIT) provides integrated technology services and support for the Elizabeth City State University campus in four functional areas: Administrative Computing, Client Services, Information Security, and Network Services. DIT is committed to providing a reliable, cost effective, and quality service to the university community in support of ECSU’s mission.

**END-USER SUPPORT SERVICES**

DIT provides access to technology resources for students to support their general academic efforts. Current students are provided a student ID number and an email/domain account also known as VikingOne to access Self-Service Banner (SSB), email, Viking Wi-Fi, and other university online resources such as LinkedIn Learning, Blackboard, and E4U. Accounts are automatically created upon admission to the university.

**EMAIL/DOMAIN ACCOUNT SERVICES**

Each student has access to a free email account to conduct their ECSU business. Accounts are created upon admission to the university and can be accessed on or off campus through the ECSU website at http://www.ecsu.edu. To access your email account from the web:

1. Go to the ECSU website.
2. Select “Email” from the top menu.

**SELF-SERVICE BANNER**

Self-Service Banner (SSB) is an online system that allows students to view and modify course schedules, register for classes, review grade history, billing, and financial aid information.

To access SSB:

1. Go to the ECSU website.
2. Select “Banner” from the top menu.
3. Select “Self-Service Banner (SSB) Login”
4. Use your VikingOne credentials to log in. Your username is the first part of your ECSU email before the @ symbol, and the password is the one you created.

**SELF-SERVICE PASSWORD PORTAL**

ECSU students and employees can manage their passwords through the Self-Service Password Reset Portal. Faculty, staff and students must use the self-service password portal to reset their password. It is required that everybody registers their ECSU account in the password portal and establishes a profile by answering a set of security questions. The questions are personal and only you should know the answers. Once completed, you can reset your own password from anywhere you have internet access.

The helpdesk is no longer able to reset individual passwords. The Password Portal is located at: https://password.ecsu.edu.

**WI-FI**

At ECSU, indoors and out, nearly every square inch close to buildings provides access to the wireless network. To gain access to the network for the first time, use your VikingOne credentials.

**BYOD SELF-SERVICE PORTAL**

The Bring Your Own Device (BYOD) self-service portal allows students to register and connect up to 5 of their personal devices to the campus Wi-Fi that do not support username authentication, such as Smart TV’s and gaming consoles.

To access the ECSU BYOD Self-service portal:
1. Go to the ECSU website.
2. Select “Inside ECSU” from the top menu.
3. Select Information Technology.
4. Select BYOD Portal.

**LinkedIn Learning - A Free Student Resource**

To achieve your student and personal goals, take advantage of LinkedIn Learning. LinkedIn Learning is a leading online learning platform, provided free for ECSU students, featuring thousands of skill topics in:
- Advanced study skills
- Business skills
- Safe Internet skills
- Technology skills
- Creative skills
- Internet Safety for Students

Use your VikingOne username and password to login at: https://www.linkedin.com/learning/

**Microsoft Office 365**

Microsoft 365 has all the familiar Office apps and more in one place. ECSU offers its students and employees access to the Microsoft Office suite in the cloud. Share your files with fellow students, professors, and colleagues to collaborate in real time or at your convenience.

Faculty, staff and students can download the Office 365 software on up to 5 personal devices without additional costs.

**Office 365 can be accessed by one of three ways:**

**Option 1:** You can visit the ECSU / MS Office portal at http://portal.office.com/.

**Option 2:** Go to myviking.ecsu.edu and log in with your ECSU credentials.

**Option 3:** Through your ECSU Email account (waffle in the top left-hand corner of email) then click all apps

**DUO**

**Duo**

ECSU has mandated that all students, faculty and staff be enrolled into its two-factor authentication (2FA) solution: Duo Security. Duo prevents up to 98 percent of all phishing attacks by making it extremely difficult for a hacker to breach your account. Duo “double-checks” your identity by requiring you to log in with a password and then enter a numeric code or respond to a notification on your smartphone.

**Duo Self-Enrollment & Support**

- Follow the enrollment instructions and support documentation on the DUO website:
  1. Go to the ECSU website.
  2. Select “Inside ECSU” from the top menu.
  3. Select Information Technology
  4. Select Duo

**SpectrumU**

**SpectrumU**

SpectrumU is a video streaming service offered to our on-campus residents through Housing and Residence Life. Residents use their VikingOne username and password to obtain access to 130 live channels and over 7,000 hours of On-Demand content including HBO and ESPN.

When connected to the Elizabeth City State University wired or wireless network, SpectrumU allows on-campus residents have access to our expanded channel lineup and stream On-Demand content. When not connected to the campus network you are still able to use the service, but some content will be unavailable.

**Downloading Apps**

The SpectrumU app is available for smartphones, tablets, computers and certain smart TVs. To download the SpectrumU app you can visit the Apple App Store, Google Play Store or Amazon App
Store to download SpectrumU. To avoid finding the SpectrumTV app, which is a separate app, residents should search for “SpectrumU,” not just “Spectrum.”

Here is a list currently supported devices. An App for Xbox is expected in 2021.

- All major Android™ smartphones and tablets running Android™ 5 or above
- Apple TV, iPhone, iPad or iPod touch running iOS® 11 or above
- Kindle Fire Phone, all Kindle Fire models except for the first-generation model
- Mac: Safari 7 or newer, Firefox 45 or newer or Chrome 43 or newer
- PC: IE 11, Chrome 43 or newer, Firefox 45 or newer or MS Edge 12 or newer

**Watching on PC**

To watch using your computer go to watch.spectrum.net, be sure to then click the “Sign into SpectrumU” button at the bottom of the page. On the next screen you will then enter ecsu.edu as the school domain. You will then log in using your ECSU ID and password.

**IT SUPPORT / HELP DESK REQUESTS**

Students can use the Helpdesk ticketing system to request IT assistance.

Using this system improves the efficiency of communication with each of you. Go to: https://helpdesk.ecsu.edu/. Once you submit your ticket, you will receive an email that confirms we have received your request.

For additional support, contact the DIT Help Desk at helpdesk.ecsu.edu or call 252.335.3532 Monday through Friday from 8 a.m. to 5 p.m., excluding campus holidays.

For more information about Division of Information Technology, please visit https://www.ecsu.edu/dit.
DEPARTMENT OF UNIVERSITY STUDIES

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

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

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

FIRST YEAR ACADEMIC ADVISING
Students entering the University as new freshmen are advised by a University Studies academic advisor, regardless of their major. Freshmen transition to a faculty advisor in their academic department during their first semester sophomore year. University Studies advisors are responsible for assisting students in transitioning from high school to college, major and career exploration, course registration and other transitional issues that may come up during the first year.

Specific responsibilities of the Academic Advising Program include the following: Providing guidance and support for understanding graduation requirements, delivering individual guidance to students to prepare their course schedules, maintaining accurate advising files and records of each student in E4U and supporting student success initiatives that help promote persistence and retention for freshmen.

FRESHMAN SEMINAR
Freshman Seminars I and II are required courses for first year students. Freshman Seminar I and II expose students to the rich history and culture of the University and provide students with college essentials such as critical thinking skills, writing, time management, test-taking strategies, academic rules and regulations, and a variety of other skills and activities designed to support the transition from high school to college. Freshman Seminar I and II includes opportunities for students to participate in a service-learning project, university events, student success workshops, peer mentoring, capstone and e-Portfolio projects.

FRESHMAN YEAR CONVOCATION AND PINNING CEREMONY
Freshman Pinning Ceremony is a university tradition for first-year students. The ceremony serves as a charge to freshman students to pursue academic excellence and timely degree completion. It is a time-honored tradition that welcomes our newest Vikings to our Viking Family.

SERVICE LEARNING
All freshman students will participate in service learning project through Freshmen Seminar I to reinforce the value of serving the community and gain a deeper understanding of themselves. Through service, learning students enhance employability skills and prepare for other experiential learning opportunities. Students engage in an evaluative process for skills development.
THE TUTORIAL AND ACADEMIC SUCCESS PROGRAM

Tutorial and Academic Success Program is a peer-tutorial program designed to help support students in their academic studies. The program employs successful students as peer tutors based on their academic expertise and their understanding of the University Studies experience. The program is committed to promoting independent, active learning among the students it assists. Peer tutoring has a direct and positive effect on improving the academic performance of students enrolled in GE courses, as well as promoting a strong community among students, peer tutors, and faculty. The program works with individual students and with groups of students. The program works in conjunction with major departments to support students in critical courses that they need to be successful in the major. Online Tutoring services are available from Tutor.com and can be accessed in Blackboard.

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

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

The department provides services which support retention, persistence, and the continuum of student success from the first-year experience to graduation.

GEAR UP SUCCESS COACH PROGRAM

GEAR UP North Carolina (Gaining Early Awareness and Readiness for Undergraduate Programs in North Carolina) is a college access initiative funded by the U.S. Department of Education and designed to increase the number of first-generation, low-income students who are prepared to enter and succeed in postsecondary education.

The GEAR UP Success Coach works to support first-year experiences at Elizabeth City State University. The students are from target high schools covering twenty-five counties within North Carolina. This is done through high-quality, high-touch coaching, providing accountability, and facilitating successful personal development. The GEAR UP Success Coach also strives to encourage interest in postsecondary education and build support for student success.

THE OFFICE OF RETENTION

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

The Office of Retention supports students by promoting the growth and development of our students and collaborating with faculty and staff are central to all of our efforts is also dedicated to helping students overcome obstacles that may challenge student success (academic, social, financial, or personal).

GENERAL EDUCATION PROGRAM

The General Education Program, called University Studies, is a collection of coordinated and interrelated courses, which contain a broad body of knowledge focused across all liberal arts areas. The University maintains that all students, regardless of academic major, must include in their individual curriculum specific general education courses designed to provide fundamental knowledge and skills and a broad-based cultural education.

The Department of University Studies was established 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 Curriculum provides the academic foundation for all undergraduate degree programs at Elizabeth City State University. The general education curriculum enables students to develop the general knowledge and the skills that are essential to success in their respective major programs and careers after graduation while promoting positive human values and encouraging an appreciation for learning in all students. All students are encouraged to complete the General Education requirements during the freshman and sophomore years. After completing the required courses, students take electives and courses in their major fields.

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

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

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

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

<table>
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<tr>
<th>Course Placement</th>
<th>SAT</th>
<th>ACT</th>
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<tr>
<td>MATH 114</td>
<td>Math Score of 470 or Below</td>
<td>Math Score of 17 or Below</td>
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<tr>
<td>MATH 115</td>
<td>Math Score of 480-520</td>
<td>Math Score of 18-20</td>
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<tr>
<td>MATH 121</td>
<td>Math Score of 530 or higher</td>
<td>Math Score of 21 or higher</td>
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<td>Score of 3 or higher on the AP Calculus AB Exam</td>
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COLLEGE LEARNING ASSESSMENT
The Collegiate Learning Assessment (CLA+) provides a standardized assessment that complements course-based evaluation of student progress. It is a performance-based assessment that measures critical thinking, problem solving, scientific and quantitative reasoning, writing, and the ability to critique and make arguments. The assessment is administered to freshmen during the fall and to seniors during the spring semester.

Core Curriculum
General Education Core Curriculum 35 hours

Freshman Seminar I and II (2 hours)
UNIV 110 and UNIV 120, 1 credit each with some special sections designated for students with specifically declared majors; HON 194 (1) is required for Honors Program students.

<table>
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<tr>
<th>Course</th>
<th>Credit</th>
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<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
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<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
</tr>
<tr>
<td>HON 194/195</td>
<td>Freshman Honors Colloquia</td>
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</table>
*This course is waived for transfer students with 12 or more transfer hours.

**First-time freshmen who have dual enrollment credit hours (including Associate Degree recipients) must enroll in UNIV 110 and 120.

English Composition (6 hours)
ENGL 102 Composition I 3
ENGL 103 Composition II 3

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

Humanities and Fine Arts (8 hours)
A. Choose two courses from the list below:
(1 course must be ENGL 201/H or ENGL 202/H)
ENGL 202 World Literature II 3
CHIN 101 Introduction to Chinese I 3
CHIN 102 Introduction to Chinese II 3
COM 200 Interpersonal Communication 3
COM 201 Intercultural Communication 3
SPAN 101 Elementary Spanish 3
SPAN 102 Elementary Spanish 3
FREN 101 French I 3
FREN 102 French I Honors 3
LATN 101 Introductory Latin 3
LATN 102 Introductory Latin II 3
PHIL 250 Introduction to Philosophy 3
PHIL 251 Social and Political Philosophy 3
PHIL 252 Critical Thinking and Logic 3

B. Choose one course from the list below:
ART 130 Art Appreciation 2
MUS 135 Introduction to Music Literature 2
MUS 135H Introduction to Music Literature Honors 2
MUS 212 The African American in Music 2
THEA 221 Appreciation of Drama 2

Social and Behavioral Sciences (9 hours)
A. Choose one course from the list below:
HIST 140 History of World Civilization, Prehistoric to 1500 3
HIST 140H History of World Civilization, Prehistoric to 1500, Honors 3
HIST 141 History of World Civilization, 1500 to the Present 3
HIST 141H History of World Civilization, 1500 to the Present, Honors 3

B. Choose two courses from the list below:
Choose 2 courses from the courses below. (Students may not choose 2 courses with HIST prefixes.)
GEOG 142 Introduction to Geography 3
HIST 250 African American History to 1877 3
HIST 251 African American History since 1877 3
HIST 255 American History to 1877 3
HIST 256 American History Since 1877 3
GEOG 201 World Geography 3
GEOG 204 Geography of the US and Canada 3

POLS 200 Introduction to Political Science 3
POLS 298 American National Government 3
POLS 299 State and Local Government 3
SOC 201 Introduction to Sociology 3
SOC 202 Social Problems 3
ECON 201 Principles of Economics I 3
ECON 202 Principles of Economics II 3
PSY 212 General Psychology 3
GLBS 200 Introduction to Global Studies 3
BFIN 210 Personal Financial Management 3

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

(Follow departmental recommendations.)

Natural Sciences and Mathematics (7-8 hours)
A. Choose one course from the list below:
MATH 114 Math for Liberal Arts 3
MATH 115 College Algebra 3
MATH 118 Precalculus 3
MATH 165 Calculus of Single Variable I 4
MATH 121 Number Systems and Algebra 3
MATH 122 Geometry and Data Analysis 3

B. Choose one course and corresponding lab from the list below:
(BIOL 101 and GEOL 141 courses include the lab)
PHYS 152 Principles of Physical Science 3
PHYS 152H Principles of Physical Science Honors 3
PHYS 152L Principles of Physical Science Lab 1
BIOL 100 Principles of Biological Science 3
BIOL 100L Principles of Biological Science Lab 1
BIOL 101 General Biology for Majors I 4
GEOL 158 Principles of Geological Science 3
GEOL 158L Principles of Geological Science Lab 1
CHEM 101 General Chemistry I 3
CHEM 101L General Chemistry I Lab 1
CHEM 102 General Chemistry II 3
CHEM 102L General Chemistry II Lab 1
ENSC 101 General Environmental Science 3
ENSC 101L General Environmental Science Laboratory 1
GEOL 140 Introduction to Earth Science 4
PHYS 181 General Physics I 3
PHYS 181L General Physics I Lab 1
PHYS 182 General Physics II 3
PHYS 182L General Physics II Lab 1
PHYS 191 University Physics I 3
PHYS 192 University Physics II 3

Health and Physical Education (3 hours)
A. Health Concepts
HLTH 185 Health Concepts 2

B. Choose one course from the list below:
PE 160 Basketball 1
PE 161 Dance (Elementary Modern) 1
PE 163 Golf 1
PE 164 Jogging 1
PE 168 Volleyball 1
PE 169 Weight-Training 1
PE 172 Badminton 1
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PE 173</td>
<td>Swimming I</td>
<td>1</td>
</tr>
<tr>
<td>PE 174</td>
<td>Swimming II</td>
<td>1</td>
</tr>
<tr>
<td>PE 175</td>
<td>Intermediate Swimming</td>
<td>1</td>
</tr>
<tr>
<td>PE 180</td>
<td>Bowling</td>
<td>1</td>
</tr>
<tr>
<td>PE 183</td>
<td>Beginning Tennis</td>
<td>1</td>
</tr>
<tr>
<td>PE 184</td>
<td>Dance (Folk and Square)</td>
<td>1</td>
</tr>
<tr>
<td>PE 186</td>
<td>Exercise and Health-Related Fitness</td>
<td>1</td>
</tr>
<tr>
<td>PE 187</td>
<td>Intermediate Tennis</td>
<td>2</td>
</tr>
<tr>
<td>PE 191</td>
<td>Racquetball</td>
<td>1</td>
</tr>
<tr>
<td>PE 193</td>
<td>Modified Dance</td>
<td>1</td>
</tr>
<tr>
<td>PE 195</td>
<td>Outdoor Activities</td>
<td>1</td>
</tr>
<tr>
<td>PE 199</td>
<td>Lifetime Physical Activity</td>
<td>1</td>
</tr>
<tr>
<td>PE 208</td>
<td>Step Aerobics</td>
<td>2</td>
</tr>
<tr>
<td>PE 209</td>
<td>Water Aerobics</td>
<td>2</td>
</tr>
<tr>
<td>PE 274</td>
<td>Fundamentals of Self Defense</td>
<td>1</td>
</tr>
<tr>
<td>PE 276</td>
<td>Taekwondo</td>
<td>1</td>
</tr>
<tr>
<td>PE 279</td>
<td>Pilates</td>
<td>1</td>
</tr>
<tr>
<td>MIS 101</td>
<td>Basic Military Science I</td>
<td>2</td>
</tr>
<tr>
<td>MUS 200</td>
<td>University Marching Band</td>
<td>0 or 1</td>
</tr>
</tbody>
</table>
DEPARTMENT OF MILITARY SCIENCE

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

OBJECTIVES

The objectives of the ROTC Program are to:

• attract, motivate, and prepare selected students to serve as commissioned officers in the Regular Army, Army National Guard, and the U.S. Army Reserve;

• provide ROTC cadets with the basic concepts and principles of military art and science; and

• develop:
  a. leadership, decision-making, problem-solving, and communication skills;
  b. a strong sense of the Army values (loyalty, duty, respect, selfless service, honor, integrity, and personal courage); and
  c. strong Commissioned Officers who are confident as well as competent.

PROGRAM DESCRIPTION

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

THE FOUR-YEAR PROGRAM

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

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

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

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

Also available to students is the Simultaneous Membership Program (SMP). Cadets who qualify for SMP will be assigned to a National Guard or Reserve unit to train under a lieutenant or captain in the headquarters element. The SMP cadet will receive E-5 (Sergeant) monthly Drill Pay (approximately $230)
and, once contracted, an additional monthly $420 per month as a stipend from Army ROTC.

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

THE TWO-YEAR CURRICULUM

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

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

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

COMPRESSION AND ALTERNATE

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

ARMY ROTC SCHOLARSHIPS FINANCIAL ASSISTANCE

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

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

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

Military Science, Minor

Program Design: Military Science
(Open To All Majors)

Required Classes:

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIS 101</td>
<td>Basic Military Science I</td>
<td>2</td>
</tr>
<tr>
<td>MIS 102</td>
<td>Basic Military Science II</td>
<td>2</td>
</tr>
<tr>
<td>MIS 201</td>
<td>Applied Leadership and Management I</td>
<td></td>
</tr>
<tr>
<td>MIS 202</td>
<td>Applied Leadership and Management II</td>
<td>2</td>
</tr>
<tr>
<td>MIS 301</td>
<td>Leadership and Management I</td>
<td>3</td>
</tr>
<tr>
<td>MIS 302</td>
<td>Leadership and Management II</td>
<td>3</td>
</tr>
<tr>
<td>MIS 303</td>
<td>U.S. Military History</td>
<td>3</td>
</tr>
<tr>
<td>MIS 401</td>
<td>Advanced Leadership and Management I</td>
<td>3</td>
</tr>
<tr>
<td>MIS 402</td>
<td>Advanced Leadership and Management II</td>
<td>3</td>
</tr>
</tbody>
</table>

Residence Requirements:

23 Semester hours must be earned in residence. This minor will be available to all students that meet course requirements.
Each candidate must complete a course in written communications as part of the student’s General Education program requirement or academic discipline. The courses offered by the University which fulfill this requirement are:

**Written Communication:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 317</td>
<td>Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 399</td>
<td>Introduction to Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 401</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

*The Basic Course is offered, as an elective, to all students enrolled in the university. Enrollment in these courses does not incur an obligation of military service. Basic Course requirements may be waived by the Professor of Military Science for veterans or other persons with prior military training.

**PRECOMMISSIONING ASSESSMENT SYSTEM - PRECONTRACTING PHASE**

**Entry Criteria**

<table>
<thead>
<tr>
<th>Assessment Element</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITIZENSHIP</td>
<td>U.S. Citizen</td>
</tr>
<tr>
<td></td>
<td>Selected Alien Students</td>
</tr>
<tr>
<td>AGE</td>
<td>Under 27 At Time of Commissioning unless Prior Service</td>
</tr>
<tr>
<td>CHARACTER</td>
<td>No Record of Disciplinary Problems or Civil Conviction</td>
</tr>
<tr>
<td>STANDARD MEDICAL EXAM</td>
<td>Army Regulation 40-501</td>
</tr>
<tr>
<td>ARMY PHYSICAL FITNESS TEST (APFT)</td>
<td>180(60/60/60)</td>
</tr>
<tr>
<td>STRUCTURED INTERVIEW</td>
<td>Acceptable Ratings on At Least 7 of 12 Leadership Dimensions</td>
</tr>
<tr>
<td>ACADEMIC STANDING</td>
<td>Full-time Student</td>
</tr>
<tr>
<td>GRADE POINT AVERAGE</td>
<td>2.5 on 4.0 Scale</td>
</tr>
<tr>
<td>BASIC COURSE PERFORMANCE</td>
<td>2.5 GPA on 4.0 Scale</td>
</tr>
<tr>
<td>CADET INITIAL ENTRY TRAINING CAMP (CIET)</td>
<td>Student Potential Index</td>
</tr>
</tbody>
</table>

**BASIC CAMP PERFORMANCE (Two-Year Program)**

<table>
<thead>
<tr>
<th>Assessment Element</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVERALL LEADERSHIP POTENTIAL</td>
<td>Results of All Other Elements</td>
</tr>
<tr>
<td></td>
<td>Professor of Military Science Judgment and Evaluation</td>
</tr>
</tbody>
</table>

**PRECOMMISSIONING ASSESSMENT SYSTEM - PRECOMMISSIONING PHASE**

**Exit Criteria**

<table>
<thead>
<tr>
<th>Assessment Element</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUMULATIVE GRADE POINT AVERAGE</td>
<td>2.0 on 4.0 Scale</td>
</tr>
<tr>
<td>ADVANCED COURSE PERFORMANCE</td>
<td>2.0 GPA minimum in each class</td>
</tr>
<tr>
<td>CADET SUMMER TRAINING COURSE (CST)</td>
<td>Pass CST with a minimum of an overall Capable rating and Satisfactory in the categories below.</td>
</tr>
<tr>
<td></td>
<td>Land Navigation</td>
</tr>
<tr>
<td></td>
<td>Written Exams &amp; Tests</td>
</tr>
<tr>
<td></td>
<td>Marksmanship Events</td>
</tr>
<tr>
<td></td>
<td>Troop Leading Procedure Events</td>
</tr>
<tr>
<td></td>
<td>Creative &amp; Critical Thinking Challenges</td>
</tr>
<tr>
<td></td>
<td>Peer Evaluation</td>
</tr>
<tr>
<td></td>
<td>Results of All Other Elements</td>
</tr>
</tbody>
</table>
Professor of Military Science Evaluation
The School of Education and Business houses the following departments:

- Department of Business, Accounting and Sport Management
- Dr. Helen Marshall Caldwell Department of Education

DEPARTMENT OF BUSINESS, ACCOUNTING AND SPORT MANAGEMENT

The Department of Business, Accounting and Sport Management transforms students into competent professionals who contribute to the economic growth and development of Northeast North Carolina and beyond. We aspire to reach diverse students and increase their economic mobility while preparing them to be valuable members of the business community in northeastern North Carolina and beyond.

The Department provides a full spectrum of post-secondary business education courses with high academic and professional standards in preparation for success in life and in their chosen careers in a technologically oriented and competitive global environment.

For students seeking degrees outside the Business Administration, Accounting, and Sport management programs, business courses that count toward graduation must comprise less than 25% (30 semester hours) of the coursework required for the undergraduate degree received.

ADMISSION PROCESS

Purpose

The purpose of the admission process is to ensure that only students who are prepared to be business administration, accounting, or sport management majors are admitted to those majors. Admission to Elizabeth City State University, while obviously required, does not constitute admission to the Business Administration or Accounting program.

General Process

Students enrolled at Elizabeth City State University or transferring from other institutions may be considered for admission to the Department of Business, Accounting and Sport Management. Students will complete an "intent to major" form in business as the first step and will be assigned a business department faculty advisor. To be eligible for admission to the Department, however, students must satisfy the following admission requirements:

- completion of a minimum of 45 semester hours at ECSU or at a regionally accredited college or university;
- cumulative GPA of 2.0 or better on a 4.0 scale. Transfer credits of students from other institutions must have a grade of "C" or better; and
- completion of the following courses or equivalent courses with a minimum grade "C" in each:
  - MATH 115 College Algebra or MATH 118 Precalculus or MATH 153 Applied Calculus or MATH 165 Calculus of Single Variable I
  - ACCT 210 Financial Accounting
  - BUAD 190 Management Information Systems I
  - BUAD 115 Introduction to Business
  - ECON 201 Principles of Economics I (Macroeconomics)

Upon completion of the above courses, a student must submit an application for official admission to the Department. After the application has been approved, the student will be considered as matriculated into the program(s). Students not accepted may reapply.

Once admitted to the Department, the student’s progress will be monitored and the student will be subject to the Department’s retention process.

CURRICULUM

The Department of Business, Accounting and Sport Management offers the following degrees:
• Bachelor of Science in Accounting
• Bachelor of Science in Business Administration. (Requires a concentration in one of the following three concentrations: Economics and Finance, Management and Entrepreneurship, or Marketing and Management Information System).
• Bachelor of Science in Sport Management.

The Department also offers a minor in Business Administration, a minor in Entrepreneurship, and a minor in Accounting for students who are pursuing majors in other departments. Individuals may also pursue a certificate in Entrepreneurship, Economics, Finance, or Project Management.

In addition to residential offerings at the Elizabeth City campus, the Department participates in the University’s Distance Learning Program. Online 2+2 degree completion programs are available with selected partner community colleges including Pitt Community College and Edgecombe Community College.

MISSION STATEMENT
The Department of Business, Accounting and Sport Management transforms students into competent professionals who contribute to the economic growth and development of Northeast North Carolina and beyond. We achieve this through classroom-based, online, and experiential learning, relevant research, and engagement with the community and key stakeholders.

RETENTION PROCESS
Purpose
The purpose of the retention process is to ensure timely completion of the business administration, accounting, and sport management degree programs through early intervention in meeting academic eligibility and graduation requirements. This process applies only to those students who are admitted to the Department and is separate from the University’s "academic eligibility standards" in the ECSU catalog. Students admitted to the Department are those who meet the requirements established in the Department’s Admission Process.

General Process
Students in the Sport Management program must earn a “C” or higher in all courses carrying the PESM prefix for graduation. In order to graduate with a degree in Accounting or Business Administration, students are allowed no more than two "Ds" in courses offered in the Department of Business, Accounting and Sport Management. Students in any of the three majors must maintain a cumulative GPA of at least 2.0 on a 4.0 scale. In addition, the grade for all courses serving as a prerequisite for another course must be "C" or better:

• WARNING: The semester in which a business student’s cumulative GPA in the major courses falls below the minimum requirement of 2.0 will result in the issuance of a "Warning" letter from the University. Students under warning must retake courses in which they earned a grade below "C", and the student will be allowed to enroll in no more than 12 semester hours of both business and non-business courses.

• PROBATION: A student who fails to meet the minimum cumulative GPA in the major courses the semester after the warning will be placed on probation. Students placed on probation will be required to meet with their academic advisors for counseling. The advisors will direct the students to tutorial and developmental student services to help them improve their academic performance.

While on probation, students will be counseled not to take additional business courses but rather to retake business courses in which they earned a grade below a "C to the extent practicable". However, they may take general education and non-business elective courses to attempt to improve their overall GPA.

NOTE: Repeating courses is subject to the limitations specified in the University’s catalog "Repeating of Courses Policy." A student may "repeat a given course only twice." In addition, a student "may repeat a maximum of 15 semester hours during the matriculation toward a degree."

Accounting
The Accounting program offers students the opportunity to pursue degrees in Accounting. The use of technology as a teaching and learning tool is highly emphasized and is incorporated in most courses. Critical thinking, effective written communication, and ethical values are also emphasized. Students are encouraged to participate in
student organizations to help build teamwork and leadership skills. They are required to complete an internship to gain work experience and an understanding of how the business world operates.

The primary objectives of the program are for graduates to be able to:

• Prepare and analyze financial statements;
• Demonstrate entry-level technical competence in financial accounting, cost/managerial accounting and auditing;
• Apply principles of the US Tax System to real life cases;
• Describe the principles related to the design, integrity and effectiveness of accounting information systems; and
• Apply critical thinking skills to business decisions.
• Communicate effectively in a written format.

The B.S. Degree in Accounting provides basic preparation for careers in public accounting; corporate finance and accounting; and government and not-for-profit accounting. Students interested in meeting the 150-hour requirement for CPA certification should contact their advisor before the end of the freshman year to devise a strategy. The Accounting degree is an excellent degree for many career goals and is in demand because of the analytical skills that it develops. Accounting is one of the fastest growing professions, and graduates with good GPAs have numerous career choices and opportunities in business and government. It is also excellent preparation for continued study for graduate degrees such as the Master of Business Administration (MBA), Master of Accountancy (MA), and Juris Doctor (law).

Accounting, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for the major:

SPCH 200 Public Speaking 3
ECON 201 Principles of Economics I 3
ECON 202 Principles of Economics II 3
MATH 115 College Algebra 3
or
MATH 118 Precalculus 3
or
MATH 165 Calculus of Single Variable I 4

B. Major Requirements (57 hours)

1. Core Courses (54 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 321</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 322</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 323</td>
<td>Intermediate Accounting III</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 335</td>
<td>Federal Income Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 421</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 425</td>
<td>Financial Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 431</td>
<td>Advanced Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 440</td>
<td>Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 220</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BFIN 311</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 240</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 241</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BMIS 380</td>
<td>Management Information Systems II</td>
<td>3</td>
</tr>
<tr>
<td>ECON 260</td>
<td>Business/Economics Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 360</td>
<td>Quantitative Methods for Business &amp; Economics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>MNGT 421 Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 190</td>
<td>Management Information Systems I</td>
<td>3</td>
</tr>
</tbody>
</table>

2. Core Electives (3 hours)

Please select 3 credits from the courses below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 398</td>
<td>Special Topics in Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 435</td>
<td>Entities Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 451</td>
<td>Government and Not-For-Profit Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 460</td>
<td>Forensic Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

C. Related Area Requirements (18 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 231</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 200</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 455</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 456</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>ECON 455 International Economics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>BFIN 455 International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 490</td>
<td>Internship I</td>
<td>3</td>
</tr>
</tbody>
</table>

**BUAD 455 requires Senior Standing**

E. Free Electives (10 hours)

Subtotal: 120

B.S. Degree in Accounting Curriculum Guide

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 115</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>MATH 118 Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>MATH 165 Calculus of Single Variable I</td>
<td>4</td>
</tr>
<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
<td>2</td>
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Subtotal: 15
## Second Semester

<table>
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<th>Credits</th>
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Subtotal: 15

## Sophomore Year

### First Semester

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Subtotal: 15

### Second Semester

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<td></td>
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<td>MNGT 221</td>
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<td>ACCT 220</td>
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<tr>
<td>ECON 260</td>
<td>Business/Economics Statistics I</td>
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Subtotal: 15

## Junior Year

### First Semester

<table>
<thead>
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<tbody>
<tr>
<td>ACCT 321</td>
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<td>BUAD 360</td>
<td>Quantitative Methods for Business and Economics</td>
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<td>Operations Management</td>
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<td>MNGT 421</td>
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<td>BFIN 311</td>
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<td>MRKT 231</td>
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### Second Semester

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<td>ACCT 322</td>
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<td>BUAD 240</td>
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Subtotal: 15

## Senior Year

### First Semester

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<td>ACCT 421</td>
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<td>ACCT 440</td>
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<td>ACCT 323</td>
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Subtotal: 15

### Second Semester

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<th>Credits</th>
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<td>BUAD 455</td>
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<td>ACCT 425</td>
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<td>ACCT 431</td>
<td>Advanced Financial Accounting</td>
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<td>Free Elective 3</td>
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<tr>
<td></td>
<td>Free Elective 4</td>
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</table>

Subtotal: 15

Subtotal: 120

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**Accounting, Minor**

**Accounting Minor requirements**

Students majoring in disciplines outside the Accounting program may earn a minor in Accounting. The minor provides a means for students to qualify for various accounting positions in the private and public sectors.

**Minor Core Electives**

Select 6 credits from any other ACCT 300 or ACCT 400 course.

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<thead>
<tr>
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<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ACCT 210</td>
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<td>ACCT 220</td>
<td>Managerial Accounting</td>
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<td>ACCT 321</td>
<td>Intermediate Accounting I</td>
<td>3</td>
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<tr>
<td>ACCT 322</td>
<td>Intermediate Accounting II</td>
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Subtotal: 12

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**Business Administration**

The Business Administration program offers students a Bachelor of Science in Business Administration degree (BSBA). In addition to the general education courses, Business Administration majors take business core subjects which help them gain general business knowledge. All Business Administration majors must also select an area of concentration: Management and Entrepreneurship, Marketing and Management Information System, or Economics and Finance. The department also offers a Minor in Business Administration and a minor in Entrepreneurship to students who are pursuing majors in programs outside the department.

The BSBA degree provides essential professional preparation for careers in business, government, and non-profit organizations, with a specific focus on administration. The curriculum is designed to help students to:

- develop the ability to evaluate and make business decisions in dynamic and competitive environments taking into account economic, legal, political, social/cultural, and technological considerations and constraints;
- familiarize themselves with the dynamics of the internal organization and operations of businesses;
- develop skills in identifying problems, issues, and strengths, weaknesses, opportunities, and threats confronting businesses;
• acquire tools, methods, and techniques for analyzing and solving business problems and taking advantage of opportunities; and
• gain the ability to develop and implement strategies.

The major objectives of the program are to help students succeed at each of the following:
• Applying critical thinking skills to business decisions
• Recognizing ethical dilemmas in business and professional environments and demonstrating social responsibility
• Applying and using fundamental principles from the core knowledge base of Business Administration specific to the areas of accounting, economics, finance, information systems, international business, legal and social environment, management, marketing and qualitative business analysis
• Communicating effectively in both written and oral form

DEGREE PROGRAM

The Department of Business, Accounting and Sport Management offers a Bachelor of Science in Business Administration. Students earn this degree in one of the concentrations discussed below. Additional concentrations may be selected by a student in consultation with his or her academic advisor.

Concentration in Management and Entrepreneurship

The concentration in Management and Entrepreneurship prepares students for all facets of running a business, whether it be their own startup, an inherited family business, or a company created and owned by others. Students experience key elements of managing human resources, preparing business plans and determining how to attain and deploy resources for maximal effect. This concentration helps students use their creativity to recognize opportunity, evaluate and develop products or services to create value and wealth.

Concentration in Marketing and Management Information System

Marketing and Management Information System are naturally related in the current age of technology. Successful companies are not only customer-driven, but also are customer-focused. Successes come about by developing sound marketing strategies and functions that provide superior value to customers. Companies seek to use technology to tap into markets that are yet untapped as well as to target their products to the specific needs and interests of current customers. They do so by using data collected from point of purchase transactions, from customer surveys and interactions (both face to face and on the internet), and from demographic sources. Successful companies collect, store, and use this data to find ways to add value for customers. This concentration connects MIS and Marketing through the link of commerce, teaching students about business intelligence and analytics, consumer behavior, sales management and managing the marketing process.

Concentration in Economics and Finance

The concentration in Economics and Finance provides basic preparation for careers in banking, government, corporate finance, private entities, and investment banking. Included in the program objectives is the preparation for graduate study in Business Administration, Economics, Finance, and related academic areas. Students with this concentration are on their way to being prepared for the Chartered Financial Analyst exam.

Minor in Business Administration

The Department also offers a minor in Business Administration to students pursuing other degrees at ECSU. Students majoring in Accounting may not minor in Business Administration, but may double major in both disciplines.

Minor in Entrepreneurship

For those pursuing degrees in programs other than Business Administration and Accounting, the Department offers a minor in Entrepreneurship to help prepare students to open their own businesses.

Certificate in Entrepreneurship

The Department offers a Certificate in Entrepreneurship that is available for individuals seeking a degree at the university as well as for community members. The Certificate in Entrepreneurship is intended to prepare those without a Business Administration or Accounting degree to open and sustain an entrepreneurial venture.
A student seeking this certificate must satisfy ECSU general admission requirements.

Certificate Program in Economics

The program is aimed to provide students with a thorough knowledge in key areas of economics (microeconomics and macroeconomics) and their applications. Through this program, students will be knowledgeable in such areas as statistical and econometric modeling and analysis, labor economics, and economic development. This program is geared to prepare students to be ready for graduate school in the economics program and to prepare students to be ready for the job market.

A student seeking this certificate must satisfy ECSU general admission requirements.

Certificate Program in Finance

The Chartered Financial Analyst® (CFA) credential is the most respected and recognized investment management designation in the world. The Certificate Program in Finance provides a strong foundation of advanced investment analysis and real-world portfolio management skills that will give the graduate a career advantage. The CFA Program curriculum covers concepts and skills you will use at all career stages in Finance and Investments. The Candidate Body Of Knowledge (CBOK) represents the core knowledge, skills, and abilities generally accepted and applied by investment professionals globally.

• Upon completion of the CFA Prep Program the student will have mastered a broad range of practical portfolio management and advanced investment analysis skills.
• The Student will be able to sit for the Levels I through III of the CFA Certification Examination

A student seeking this certificate must satisfy ECSU general admission requirements.

Certificate Program in Project Management

The Project Management Certificate aims to develop student’s foundational knowledge in Project Management through the learning and use of concepts and tools required for overseeing medium to large size projects. A good project manager needs to have knowledge of multiple disciplines; for this reason, this program prepares students with foundational knowledge in areas of business decision making, economic, legal, political, social/cultural, and technological environments. Additionally, the program will prepare students to sit for the professional level exams.

A student seeking this certificate must satisfy ECSU general admission requirements.

Business Administration - Concentration in Economics and Finance, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education Courses are required for the major.

ECON 201 Principles of Economics I 3
ECON 202 Principles of Economics II 3
SPCH 200 Public Speaking 3
MATH 115 College Algebra 3
OR
MATH 118 Precalculus 3
OR
MATH 165 Calculus of Single Variable I 4

B. Major Requirements (48 hours)

1. Core Courses (45 hours)

BUAD 115 Introduction to Business 3
ACCT 210 Financial Accounting 3
ACCT 220 Managerial Accounting 3
BUAD 200 Business Communication 3
BUAD 240 Ethics 3
BUAD 241 Business Law 3
ECON 260 Business/Economics Statistics I 3
MNGT 221 Principles of Management 3
MRKT 231 Principles of Marketing 3
BFIN 311 Principles of Finance 3
BUAD 360 Quantitative Methods for Business and Economics 3
BMIS 380 Management Information Systems II 3
BUAD 455 Strategic Management 3
BUAD 490 Internship I 3
BUAD 190 Management Information Systems I 3

2. Core Elective (3 hours)

Select one course from each of the pairings of courses below

BUAD 456 International Business 3
OR
BFIN 455 International Financial Management 3
OR
ECON 455 International Economics 3

C. Related Area Requirements (3 hours)

PSY 212 General Psychology 3

D. Concentration Requirements (24 hours)

1. Concentration Core (12 hours)

ECON 470 Microeconomic Analysis 3
ECON 480  Macroeconomics Analysis   3
BFIN 320  Financial Management   3
BFIN 350  Investments   3

2. Concentration Electives (12 hours)
Select only 4 courses from the list of courses below
ECON 376  Public Finance   3
BFIN 415  Financial Management Policy and Strategy   3
BFIN 420  Portfolio Construction and Management   3
ECON 325  Current Economic Problems   3
BFIN 425  Commercial Bank Management   3
ECON 318  Money, Credit, and Banking   3
BFIN 210  Personal Financial Management   3
BUAD 365  Business Research and Report Writing   3
BFIN 450  Financial Risk Management   3
ECON 261  Business/Economics Statistics II   3
ECON 360  Econometrics   3
ECON 435  Economic Development   3

E. Free Electives (10 hours)
Subtotal: 120

B.S. Degree in Business Administration Suggested Curriculum Guide for Concentration in Economics and Finance

Freshman Year
First Semester
ENGL 102  Composition I   3
UNIV 110  Freshman Seminar I   1
BUAD 115  Introduction to Business   3
HLTH 185  Health Concepts   2
Social & Behavioral Sciences A   3
MATH 115  College Algebra   3
OR
MATH 118  Precalculus   3
OR
MATH 165  Calculus of Single Variable I   4

Subtotal: 15

Second Semester
ENGL 103  Composition II   3
Science Elective with Lab   4
Physical Education Activity   1
ECON 201  Principles of Economics I   3
UNIV 120  Freshman Seminar II   1
BUAD 190  Management Information Systems I   3

Subtotal: 15

Sophomore Year
First Semester
ACCT 210  Financial Accounting   3
BUAD 200  Business Communication   3
SPCH 200  Public Speaking   3
ECON 202  Principles of Economics II   3
Humanities & Fine Arts (A) I   3

Subtotal: 15

Second Semester
ACCT 220  Managerial Accounting   3
PSY 212  General Psychology   3
BUAD 241  Business Law   3

junior Year
First Semester
MRKT 231  Principles of Marketing   3
BFIN 311  Principles of Finance   3
BMIS 380  Management Information Systems II   3
MNGT 221  Principles of Management   3
Free Elective 2   3

Subtotal: 15

Second Semester
BUAD 360  Quantitative Methods for Business and Economics   3
BUAD 240  Ethics   3
BFIN 320  Financial Management   3
ECON 470  Microeconomic Analysis   3
Concentration Elective 1   3

Subtotal: 15

Senior Year
First Semester
BUAD 490  Internship I   3
BFIN 350  Investments   3
ECON 480  Macroeconomics Analysis   3
ECON 455  International Economics   3
OR
BUAD 456  International Business   3
OR
BFIN 455  International Financial Management   3
Free Elective 3   3

Subtotal: 15

Second Semester
BUAD 455  Strategic Management   3
Concentration Elective 2   3
Concentration Elective 3   3
Concentration Elective 4   3
Free Elective 4   3

Subtotal: 15

Select four courses from the following to fulfill Concentration Electives:
ECON 318  Money, Credit, and Banking
BFIN 425  Commercial Bank Management
ECON 480  Macroeconomics Analysis
ECON 455  International Economics
BFIN 415  Financial Mgmt Policy & Strategy
BFIN 420  Portfolio Construction & Mgmt
ECON 435  Economic Development
ECON 360  Econometrics
ECON 376  Public Finance
BFIN 450  Financial Risk Management
BUAD 365  Business Research & Reporting
ECON 325  Current Economic Problems
BFIN 210  Personal Financial Management

Subtotal: 120
Business Administration - Concentration in Management and Entrepreneurship, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for the major.

**ECON 201**  Principles of Economics I  3
**ECON 202**  Principles of Economics II  3
**SPCH 200**  Public Speaking  3
**MATH 115**  College Algebra  3
OR
**MATH 118**  Precalculus  3
OR
**MATH 165**  Calculus of Single Variable I  4

B. Major Requirements (48 hours)

1. Core Course (45 hours)

**BUAD 115**  Introduction to Business  3
**ACCT 210**  Financial Accounting  3
**ACCT 220**  Managerial Accounting  3
**BFIN 311**  Principles of Finance  3
**BMIS 380**  Management Information Systems II  3
**BUAD 200**  Business Communication  3
**BUAD 240**  Ethics  3
**BUAD 241**  Business Law  3
**BUAD 360**  Quantitative Methods for Business and Economics  3
**BUAD 490**  Internship I  3
**BUAD 455**  Strategic Management  3
**ECON 260**  Business/Economics Statistics I  3
**MNGT 221**  Principles of Management  3
**MRKT 231**  Principles of Marketing  3
**BUAD 190**  Management Information Systems I  3

2. Core Electives (3 hours)

Select one course from each of the pairings of courses below

**BUAD 456**  International Business  3
**ECON 455**  International Economics  3
**BFIN 455**  International Financial Management  3

**C. Related Area Requirement (3 hours)**

**PSY 212**  General Psychology  3

**D. Concentration Requirements (24 hours)**

1. Concentration Core (12 hours)

**MNGT 421**  Operations Management  3
**BUAD 322**  Entrepreneurship  3
**MNGT 322**  Organizational Behavior  3
**MNGT 345**  Leadership and Teamwork  3

2. Concentration Electives (12 hours)

**MRKT 333**  Sales  3

**MNGT 425**  Organization Theory  3
**BUAD 425**  Franchising  3
**BUAD 426**  Supply Chain Management  3
**MNGT 398**  Special Topics in Management  3
**MNGT 321**  Human Resource Management  3
**BFIN 315**  Entrepreneurial Finance  3
**BFIN 210**  Personal Financial Management  3
**BUAD 423**  E-Commerce  3
**BUAD 365**  Business Research and Report Writing  3
OR
**MRKT 365**  Marketing Research  3

E. Free Electives (10 hours)

Subtotal: 120

B.S. Degree in Business Administration Suggested Curriculum Guide for Concentration in Management and Entrepreneurship

**Freshman Year**

**First Semester**

**UNIV 110**  Freshman Seminar I  1
**MATH 115**  College Algebra  3
OR
**MATH 118**  Precalculus  3
OR
**MATH 165**  Calculus of Single Variable I  4
**ENGL 102**  Composition I  3
**PSY 212**  General Psychology  3
**ACCT 210**  Financial Accounting  3

Subtotal: 15

**Second Semester**

**UNIV 120**  Freshman Seminar II  1
**ENGL 103**  Composition II  3
**ECON 201**  Principles of Economics I  3
**BUAD 190**  Management Information Systems I  3

Subtotal: 15

**Sophomore Year**

**First Semester**

**ECON 201**  Principles of Economics I  3
**ECON 202**  Principles of Economics II  3
**SPCH 200**  Public Speaking  3
**BUAD 241**  Business Law  3
**BUAD 200**  Business Communication  3
**ACCT 210**  Financial Accounting  3

Subtotal: 15

**Second Semester**

**PSY 212**  General Psychology  3
**ACCT 220**  Managerial Accounting  3
**BUAD 241**  Business Law  3
**ECON 260**  Business/Economics Statistics I  3
**MRKT 365**  Marketing Research  3

Subtotal: 15
### Junior Year

#### First Semester
- **BFIN 311** Principles of Finance 3
- **MNGT 221** Principles of Management 3
- **BMIS 380** Management Information Systems II 3
- **MRKT 231** Principles of Marketing 3
- Free Elective 2 3

Subtotal: 15

#### Second Semester
- **BUAD 360** Quantitative Methods for Business and Economics 3
- **BUAD 240** Ethics 3
- **BUAD 322** Entrepreneurship 3
- **MNGT 322** Organizational Behavior 3
  - Concentration Elective 1 3

Subtotal: 15

### Senior Year

#### First Semester
- **BUAD 490** Internship I 3
- **MNGT 345** Leadership and Teamwork 3
- **BUAD 456** International Business OR 3
- **ECON 455** International Economics OR 3
- **BFIN 455** International Financial Management 3
- **MNGT 421** Operations Management 3
  - Concentration Elective 3 3
  - Free Elective 3 3

Subtotal: 15

#### Second Semester
- **BUAD 455** Strategic Management 3
- **Concentration Elective 2** 3
- **Concentration Elective 3** 3
- **Concentration Elective 4** 3
- **Free Elective 4** 3

Subtotal: 15

Select four courses from the following to fulfill Concenatration Electives:
- **MRKT 333** Sales Management
- **MNGT 321** Human Resource Management
- **BFIN 315** Entrepreneurial Finance
- **MNGT 425** Organization Theory
- **BUAD 425** Franchising
- **BUAD 426** Supply Chain Management
- **BUAD 423** E-Commerce
- **MNGT 398** Special Topics in Management
- **BFIN 210** Personal Financial Management

Choice of:
- **BUAD 365** Business Research and Report Writing or
- **MRKT 365** Marketing Research

Subtotal: 120

### Business Administration - Concentration in Marketing and MIS, B.S.

#### Curriculum

**A. General Education Requirements (35 hours)**

The following General Education courses are required for the major.

<table>
<thead>
<tr>
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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
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<tr>
<td>ECON 202</td>
<td>Principles of Economics II</td>
<td>3</td>
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<tr>
<td>SPCH 200</td>
<td>Public Speaking</td>
<td>3</td>
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<td>MATH 115</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>MATH 118</td>
<td>Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
<td>4</td>
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**B. Major Requirements (48 hours)**

1. **Core Courses (45 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
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<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 220</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BFIN 311</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 200</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 240</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BMIS 380</td>
<td>Management Information Systems II</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 241</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 360</td>
<td>Quantitative Methods for Business and Economics</td>
<td>3</td>
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<tr>
<td>BUAD 455</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 490</td>
<td>Internship I</td>
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<tr>
<td>ECON 260</td>
<td>Business/Economics Statistics I</td>
<td>3</td>
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<td>MNGT 221</td>
<td>Principles of Management</td>
<td>3</td>
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<tr>
<td>MRKT 231</td>
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</tr>
<tr>
<td>BUAD 190</td>
<td>Management Information Systems I</td>
<td>3</td>
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</table>

2. **Core Electives (3 hours)**

Select one course from each of the pairings of courses below

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BUAD 456</td>
<td>International Business</td>
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<td>ECON 455</td>
<td>International Economics</td>
<td>3</td>
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<tr>
<td>BFIN 455</td>
<td>International Financial Management</td>
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**C. Related Area Requirements (3 hours)**

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**D. Concentration Requirements (24 hours)**

1. **Concentration Core (12 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRKT 332</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 432</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>BMIS 386</td>
<td>Business Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 489</td>
<td>Project Management</td>
<td>3</td>
</tr>
</tbody>
</table>

2. **Concentration Electives (12 hours)**

Please select 12 credits from below (at least 6 credits from BMIS/BUAD and 6 credits from MRKT).

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMIS 475</td>
<td>Database Design and Management</td>
<td>3</td>
</tr>
<tr>
<td>BMIS 425</td>
<td>IT and Cyber Security Management</td>
<td>3</td>
</tr>
</tbody>
</table>
BUAD 341  Management Concepts for Project Managers  1
BUAD 342  Technical Writing for Project Managers  1
BUAD 343  Experiential Learning in Project Management  1
BMIS 398  Special Topics in Management Information Systems  3
BUAD 423  E-Commerce  3
MRKT 333  Sales  3
MRKT 331  Advertising and Promotion  3
MRKT 398  Special Topics in Marketing  3
MRKT 431  Retailing  3
BMIS 485  Business Intelligence and Analytics  3
MRKT 365  Marketing Research  3

E. Free Electives (10 hours)
Subtotal: 120

B. S. Degree in Business Administration Suggested Curriculum Guide for Concentration in Marketing and MIS

Freshman Year
First Semester
UNIV 110  Freshman Seminar I  1
HLTH 185  Health Concepts  2
ENGL 102  Composition I  3
BUAD 115  Introduction to Business  3
MATH 115  College Algebra  3
OR
MATH 118  Precalculus  3
OR
MATH 165  Calculus of Single Variable I  4
Subtotal: 15

Second Semester
UNIV 120  Freshman Seminar II  1
ENGL 102  Composition II  3
Science Elective with Lab  4
Physical Education Activity  1
ECON 201  Principles of Economics I  3
BUAD 190  Management Information Systems I  3
Subtotal: 15

Sophomore Year
First Semester
ACCT 210  Financial Accounting  3
BUAD 200  Business Communication  3
SPCH 200  Public Speaking  3
ECON 202  Principles of Economics II  3
Subtotal: 15

Second Semester
(Free Elective I not required if took MATH 165)

ACCT 220  Managerial Accounting  3
BUAD 241  Business Law  3
PSY 212  General Psychology  3
ECON 260  Business/Economics Statistics I  3
Humans & Fine Arts B  2
Free Elective I  1
Subtotal: 15

Junior Year
First Semester
MRKT 231  Principles of Marketing  3
BMIS 380  Management Information Systems I  3
BMIS 485  Business Intelligence and Analytics  3
BUAD 341  Management Concepts for Project Managers  1
BUAD 342  Technical Writing for Project Managers  1
BUAD 343  Experiential Learning in Project Management  1
BMIS 398  Special Topics in Management Information Systems  3
BUAD 423  E-Commerce  3
MRKT 333  Sales  3
MRKT 331  Advertising and Promotion  3
MRKT 398  Special Topics in Marketing  3
MRKT 431  Retailing  3
BMIS 485  Business Intelligence and Analytics  3
MRKT 365  Marketing Research  3

Subtotal: 15

Second Semester
BUAD 360  Quantitative Methods for Business and Economics  3
BUAD 240  Ethics  3
MRKT 332  Consumer Behavior  3
BMIS 386  Business Systems Analysis and Design  3
Concentration Elective 1  3
Subtotal: 15

Senior Year
First Semester
BUAD 490  Internship I  3
BUAD 489  Project Management  3
MRKT 432  Marketing Management  3
BUAD 456  International Business  3
ECON 455  International Economics  3
OR
BFIN 455  International Financial Management  3
Subtotal: 15

Second Semester
BUAD 455  Strategic Management  3
Concentration Elective 2  3
Concentration Elective 3  3
Concentration Elective 4  3
Free Elective 4  3
Subtotal: 15

Select 12 credits from below (at least six credits from BMIS/BUAD and six credits from MRKT) to fulfill Concentration Electives:
BMIS 475 Database Design and Management
BMIS 425 IT and Cyber Security Management
BUAD 341 Management Concepts for Project Managers
BUAD 342 Technical Writing for Project Managers
BUAD 343 Experiential Learning for Project Management
BMIS 398 Special Topics in Management Information Systems
BUAD 423 E-Commerce
MRKT 333 Sales
MRKT 331 Advertising and Promotion
MRKT 398 Special Topics in Marketing
MRKT 431 Retailing
BMIS 485 Business Intelligence and Analytics
MRKT 365 Marketing Research
Subtotal: 120

Business Administration, Minor

Only students majoring in disciplines other than Accounting and Business Administration programs may earn a Minor in Business Administration.

Curriculum

The required courses are:

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 231</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 241</td>
<td>Business Law</td>
<td>3</td>
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<tr>
<td>TWO 300-400</td>
<td>Level Business Courses</td>
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</table>

Subtotal: 21

ECON 201 and ECON 202 must be taken as part of the General Education Requirements.

Entrepreneurship, Minor

Only students majoring in disciplines other than Business Administration may minor in Entrepreneurship.

Curriculum

The required courses are:

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 101</td>
<td>Accounting for Non-business Majors</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 231</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 241</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 322</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
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</table>

One of the following

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BFIN 315</td>
<td>Entrepreneurial Finance</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 321</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 421</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 426</td>
<td>Supply Chain Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 21

ECON 201 and ECON 202 must be taken as part of the General Education Requirements.

Economics, Certificate Program

Only students majoring in disciplines other than Business Administration may earn a Certificate in Economics. The Certificate Program is also available to community members.

Curriculum

The required courses are:

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 101</td>
<td>Accounting for Non-business Majors</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 231</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 241</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 322</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>BFIN 311</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 21

Entrepreneurship, Certificate Program

Only students majoring in disciplines other than Business Administration may earn a Certificate in Entrepreneurship. The Certificate Program is also available to community members.

Curriculum

The required courses are:

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 101</td>
<td>Accounting for Non-business Majors</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 231</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 241</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BFIN 311</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 21
Finance, Certificate Program

Only students majoring in disciplines other than Business Administration may earn a Certificate in Finance. The Certificate Program is also available to community members.

Curriculum

The required courses are:

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Prerequisites</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BFIN 320 Financial Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>BFIN 350 Investments</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>BFIN 425 Commercial Bank Management</td>
<td>BFIN 320</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>BFIN 415 Financial Management Policy &amp; Strategy</td>
<td>BFIN 320</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>BMIS 489 Project Management</td>
<td>BMIS 380 or ENGT 245</td>
<td>3</td>
</tr>
<tr>
<td>6</td>
<td>BMIS 485 Data Analysis and Business Intelligence</td>
<td>BMIS 380 or ENGT 245</td>
<td>3</td>
</tr>
<tr>
<td>7</td>
<td>BUAD 341 Management Concepts for Project Managers</td>
<td>BUAD 341</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>BUAD 342 Technical Writing for Project Managers</td>
<td>BUAD 341</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>BUAD 343 Experiential Learning in Project Management</td>
<td>BUAD 341 and BUAD 342</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 21

Project Management, Certificate

Only students majoring in disciplines other than Business Administration may earn a Certificate in Finance. The Certificate Program is also available to community members.

Curriculum

The required courses are:

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Prerequisites</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BMIS 380 Management Information Systems II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>BMIS 425 IT and Cyber Security Management</td>
<td>BMIS 380 or ENGT 245</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>BUAD 330 Risk Analysis, Fraud Detection &amp; Controls</td>
<td>BMIS 380 or ECON 201</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>ACCT 101 Accounting for Non Business Majors</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>BMIS 386 Business Systems Analysis and Design</td>
<td>BMIS 380 or ENGT 245</td>
<td>3</td>
</tr>
<tr>
<td>6</td>
<td>BMIS 489 Project Management</td>
<td>BMIS 380 or ENGT 245</td>
<td>3</td>
</tr>
<tr>
<td>7</td>
<td>BMIS 485 Data Analysis and Business Intelligence</td>
<td>BMIS 380 or ENGT 245</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>BUAD 341 Management Concepts for Project Managers</td>
<td>BUAD 341</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>BUAD 342 Technical Writing for Project Managers</td>
<td>BUAD 341</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>BUAD 343 Experiential Learning in Project Management</td>
<td>BUAD 341 and BUAD 342</td>
<td>1</td>
</tr>
</tbody>
</table>

Subtotal: 24

Sport Management

The Sport Management program offers students the opportunity to pursue a degree in the growing field of Sport Management. Critical thinking, ethical values, oral and written communication, networking skills and leadership skills are emphasized. Students are encouraged to volunteer and seek opportunities on-campus in the community to help build their resumes and to gain valuable work experience. Students will be required to complete a practicum and internship prior to graduation.
The primary objectives of the program are for graduates to be able to:

- Apply fundamental principles from the core knowledge base of Sport Management
- Effectively communicate in both written and oral form.
- Recognize ethical dilemmas in sport management and professional environments and demonstrate social responsibility.
- Apply critical thinking skills to sport business decisions.
- To obtain practical experience in the field.
- To prepare students to be productive sport industry professionals.

The B.S. Degree in Sport Management provides basic preparation for careers in high school and collegiate athletics, professional athletics, parks and recreation management, business management, event management, sports marketing, and facility management. Sport management is a growing profession that is attractive for anyone who wishes to work in the sport industry.

### Sport Management, B.S

**Curriculum**

**A. General Education (35 hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics II</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 200</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>MATH 115</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
<td>4</td>
</tr>
</tbody>
</table>

**B. Major Requirements (38 hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PESM 110</td>
<td>Introduction to Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>PESM 210</td>
<td>Introduction to Sport Sociology</td>
<td>3</td>
</tr>
<tr>
<td>PESM 211</td>
<td>Introduction to Sport Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PESM 300</td>
<td>Sport Finance</td>
<td>3</td>
</tr>
<tr>
<td>PESM 310</td>
<td>Sport Management Practicum</td>
<td>3</td>
</tr>
<tr>
<td>PESM 311</td>
<td>Sport Marketing and Promotion</td>
<td>3</td>
</tr>
<tr>
<td>PESM 312</td>
<td>Legal Issues of Sport/Rec</td>
<td>3</td>
</tr>
<tr>
<td>PESM 313</td>
<td>Governance in Sport</td>
<td>3</td>
</tr>
<tr>
<td>PESM 410</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>PESM 413</td>
<td>Facilities Management</td>
<td>3</td>
</tr>
<tr>
<td>PESM 416</td>
<td>Sport Management Internship</td>
<td>8</td>
</tr>
</tbody>
</table>

**C. Related Area Requirements (36 hours)**

1. **Related Area Core Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUAD 190</td>
<td>Management Information Systems I</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON 260</td>
<td>Business/Economics Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 231</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>PSY 212</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 321</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BFEN 311</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

2. **Related Area Electives (9 hours)**

Select 9 hours from the list of courses below.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRKT 331</td>
<td>Advertising and Promotion</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 332</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 240</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 355</td>
<td>Television Production</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 200</td>
<td>Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BFEN 210</td>
<td>Personal Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 351</td>
<td>Journalism I</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 333</td>
<td>Sales</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 357</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 322</td>
<td>Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 322</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 345</td>
<td>Leadership and Teamwork</td>
<td>3</td>
</tr>
</tbody>
</table>

E. **Elective (11 hours)**

Subtotal: 120

Curriculum Guide for Majors in Sport Management

**Freshman Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 115</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Humanities and Fine Arts</td>
<td>3</td>
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Subtotal: 16

**Second Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
<td>1</td>
</tr>
<tr>
<td>SPCH 200</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>PESM 110</td>
<td>Introduction to Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education Activity</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Natural Sciences and Mathematics</td>
<td>B</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 15

**Sophomore Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUAD 190</td>
<td>Management Information Systems I</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
<td>2</td>
</tr>
<tr>
<td>PSY 212</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
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<td>2</td>
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</tbody>
</table>
Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRKT 231</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>PESM 211</td>
<td>Introduction to Sport Psychology</td>
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<tr>
<td>ECON 202</td>
<td>Principles of Economics II</td>
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<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
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<tr>
<td>PESM 210</td>
<td>Introduction to Sport Sociology</td>
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</table>

Subtotal: 15

Junior Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ACCT 210</td>
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<td>PESM 311</td>
<td>Sport Marketing and Promotion</td>
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<td>PESM 313</td>
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Subtotal: 15

Second Semester

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<tr>
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<td>PESM 312</td>
<td>Legal Issues of Sport/Rec</td>
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<tr>
<td>BFIN 311</td>
<td>Principles of Finance</td>
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<tr>
<td>PESM 310</td>
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Subtotal: 15

Senior Year

First Semester

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<td>PESM 413</td>
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Subtotal: 15

Second Semester

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<tr>
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Subtotal: 14

Subtotal: 120

**Education Programs**

Faculty and staff who teach in the Department of Education are committed to the mission of preparing competent practitioners who facilitate learning. The conceptual framework, 21st Century Professional Educator, is woven throughout coursework, research, and experiences so that candidates meet standards for high quality teaching and leadership in the 21st Century. The Department offers innovative specialty areas that are designed to prepare candidates who are global competitors, advocates for diversity, effective communicators and collaborators, critical thinkers and innovators, and educational technology users and healthy and responsible citizens who are capable of meeting the diverse needs of all learners. Candidates participate in a professional core with their specialty area preparation where they benefit from classroom instruction, field experiences, clinical practice and student teaching experiences that reflect current thinking and research.

The Education program offers programs leading to licensure and a Bachelor of Science in Education in the following areas:

- Birth through Kindergarten (B-K)
- Elementary Education (K-6)
- Special Education (K-12)

Candidates majoring in Elementary Education are required to select an academic concentration from the list below:

**Academic Concentration Options:**

- General Science
- Mathematics
- Social Sciences

The Education program also offers program areas that do not lead to a teaching license. Students can complete degrees in Education that focus on other endeavors in the Education field.

- Birth through Kindergarten (B-K) Concentration:
  - Child, Family, Community
• Elementary Education: Concentration: Elementary Non-Teaching-Social Sciences
• Special Education: Concentration: Community, Agency, Policy and Enterprise

Birth through Kindergarten

OVERVIEW

The Birth through Kindergarten program prepares graduates to work with children and families in a variety of settings. Candidates in this program observe and work with infants, toddlers, preschool, and kindergarten children in public and private settings. Graduates of the Birth through Kindergarten program are prepared for employment in Head Start programs, private child care programs, public schools, and other child-centered agencies or businesses. The program offers teaching (Educator Preparation) and non-teaching (Child, Family, and Community) concentrations. Successful completion of the Educator Preparation concentration requirements and submission of an edTPA portfolio will qualify students to apply for a North Carolina initial teacher license in Birth through Kindergarten Education.

PROGRAM GOALS

• ensure that candidates acquire knowledge of the cognitive, physical, cultural, social, and emotional needs of young children and their families.
• to demonstrate a comprehensive understanding of the development and implementation of instructional programs for young children.
• provide opportunities for candidates to demonstrate the ability to collaborate with students, families, and school and community personnel in designing and implementing programs for young children.
• provide opportunities for school candidates to develop professionalism in their interactions with school personnel, parents and engage in professional activities.

Birth through Kindergarten (BK):

Educator Preparation Concentration, B.S.Ed.

Curriculum

A. General Education Requirements (35 credit hours)

B. Major Requirements (34 credit hours)

Core Courses - 31 credit hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BKED 201</td>
<td>Introduction to Birth-Kindergarten</td>
<td>3</td>
</tr>
<tr>
<td>BKED 202</td>
<td>Child Growth and Development I: Infants and Toddlers</td>
<td>3</td>
</tr>
<tr>
<td>BKED 203</td>
<td>Child Growth and Development II: Preschool and Kindergarten</td>
<td>3</td>
</tr>
<tr>
<td>BKED 305</td>
<td>Early Childhood Literacy Development</td>
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</tr>
<tr>
<td>BKED 325</td>
<td>Infant and Toddler Curriculum and Development</td>
<td>3</td>
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<tr>
<td>BKED 330</td>
<td>Educational Assessment of Infants, Toddlers &amp; Preschools</td>
<td>3</td>
</tr>
<tr>
<td>BKED 335</td>
<td>Communication and Collaboration in Schools and Communities</td>
<td>3</td>
</tr>
<tr>
<td>BKED 420</td>
<td>Preschool Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 203</td>
<td>Introduction to Computer Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 210</td>
<td>Professional Studies I: Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
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Core Electives - 3 credit hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BKED 460</td>
<td>Issues and Trends in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>SPED 475</td>
<td>Autism Spectrum &amp; Related Behavior Disorders</td>
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C. Related Area Requirements (15 credit hours)

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>HLTH 367</td>
<td>First Aid, CPR and Safety</td>
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<tr>
<td>HLTH 369</td>
<td>Principles of Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>BFIN 210</td>
<td>Personal Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 250</td>
<td>Introduction to Literacy</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 370</td>
<td>Introduction to Positive Behavior Support and Classroom Management</td>
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D. Concentration Requirements (27 credit hours)

Concentration Core Courses - 24 credit hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUC 220</td>
<td>Praxis Seminar</td>
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</tr>
<tr>
<td>EDUC 360</td>
<td>Teaching and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>BKED 454</td>
<td>Inclusive Preschool Environments Standards</td>
<td>3</td>
</tr>
<tr>
<td>BKED 470</td>
<td>Kindergarten Curriculum and Standards</td>
<td>3</td>
</tr>
<tr>
<td>BKED 495</td>
<td>Student Teaching</td>
<td>9</td>
</tr>
<tr>
<td>EDUC 495</td>
<td>Seminar in Contemporary Educational Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration Electives - 3 credit hours

Select one of the courses below.
ELEM 300  Elementary Literacy Instruction  3
ELEM 390  Social Studies Methods in the Elementary Classroom  3
ELEM 395  Science Methods in the Elementary Classroom  3

E. Free Electives (9 credit hours)
Subtotal: 120

Curriculum Guide for Majors in Birth Through Kindergarten (BK): Educator Preparation Concentration

Freshman Year
First Semester
ENGL 102  Composition I  3
UNIV 110  Freshman Seminar I  1
Natural Sciences and Mathematics - B  4
Natural Sciences and Mathematics - A  3
Physical Education Activity  1
Social & Behavioral Sciences A  3
Subtotal: 15

Second Semester
ENGL 103  Composition II  3
UNIV 120  Freshman Seminar II  1
HLTH 185  Health Concepts  2
Social & Behavioral Sciences (B)  3
Free Elective  3
Humanities & Fine Arts B  2
Humanities & Fine Arts (A)  3
Subtotal: 17

Sophomore Year
First Semester
EDUC 220  Praxis Seminar  3
EDUC 210  Professional Studies I: Introduction to Education  3
ENGL 201  World Literature I  3
ENGL 202  World Literature II  3
EDUC 203  Introduction to Computer Instructional Technology  3
BKED 201  Introduction to Birth-Kindergarten  1
BKED 202  Child Growth and Development I: Infants and Toddlers  3
Subtotal: 16

Second Semester
BFIN 210  Personal Financial Management  3
OR
ECON 201  Principles of Economics I  3
SPED 310  Introduction to Special and Diverse Learners  3
EDUC 250  Introduction to Literacy  3
BKED 203  Child Growth and Development II: Preschool and Kindergarten Social & Behavioral Sciences (B)  3
Subtotal: 15

Junior Year
First Semester
BKED 305  Early Childhood Literacy Development  3
BKED 325  Infant and Toddler Curriculum and Development  3
BKED 330  Educational Assessment of Infants, Toddlers & Preschools  3

Second Semester
Free Elective  3
EDUC 360  Teaching and Assessment  3
BKED 335  Communication and Collaboration in Schools and Communities  3
EDUC 370  Introduction to Positive Behavior Support and Classroom Management  3
HLTH 369  Principles of Nutrition  3
Subtotal: 15

Senior Year
First Semester
BKED 420  Preschool Curriculum  3
BKED 454  Inclusive Preschool Environments  3
BKED 470  Kindergarten Curriculum and Standards  3
BKED 460  Issues and Trends in Early Childhood Education OR
SPED 475  Autism Spectrum & Related Behavior Disorders  3
ELEM 300  Elementary Literacy Instruction OR
ELEM 390  Social Studies Methods in the Elementary Classroom OR
ELEM 395  Science Methods in the Elementary Classroom  3
Subtotal: 15

Second Semester
BKED 495  Student Teaching  9
EDUC 495  Seminar in Contemporary Educational Issues  3
Subtotal: 12

Subtotal: 120

Licensure-Only Requirements (48 hours)

Required Courses
EDUC 210  Professional Studies I: Introduction to Education  3
EDUC 203  Introduction to Computer Instructional Technology  3
SPED 310  Introduction to Special and Diverse Learners  3
EDUC 360  Teaching and Assessment  3
BKED 202  Child Growth and Development I: Infants and Toddlers  3
BKED 203  Child Growth and Development II: Preschool and Kindergarten  3
BKED 325  Infant and Toddler Curriculum and Development  3
BKED 335  Communication and Collaboration in Schools and Communities  3
BKED 330  Educational Assessment of Infants, Toddlers & Preschools  3
Birth through Kindergarten (BK): Child, Family, and Community Concentration, B.S.Ed.

Curriculum

A. General Education Requirements (35 credit hours)

B. Major Requirements (34 credit hours)

Core Courses - 31 credit hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>BKED 201</td>
<td>Introduction to Birth-Kindergarten</td>
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<td>BKED 202</td>
<td>Child Growth and Development I: Infants and Toddlers</td>
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<td>BKED 203</td>
<td>Child Growth and Development II: Preschool and Kindergarten</td>
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<td>BKED 305</td>
<td>Early Childhood Literacy Development</td>
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<td>BKED 325</td>
<td>Infant and Toddler Curriculum and Development</td>
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<td>Educational Assessment of Infants, Toddlers &amp; Preschools</td>
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<td>BKED 335</td>
<td>Communication and Collaboration in Schools and Communities</td>
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<td>BKED 420</td>
<td>Preschool Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 203</td>
<td>Introduction to Computer: Instructional Technology</td>
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For those candidates seeking an add-on license, please see the program coordinator for an individualized plan.

North Carolina Residency Option Requirements (21 hours)

Required Courses

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<td>EDUC 203</td>
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<td>EDUC 250</td>
<td>Introduction to Literacy</td>
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<tr>
<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
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<tr>
<td>EDUC 370</td>
<td>Introduction to Positive Behavior Support and Classroom Management</td>
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<tr>
<td>BKED 330</td>
<td>Educational Assessment of Infants, Toddlers &amp; Preschools</td>
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<td>BKED 335</td>
<td>Communication and Collaboration in Schools and Communities</td>
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<td>Preschool Curriculum</td>
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<tr>
<td>EDUC 210</td>
<td>Professional Studies I: Introduction to Education</td>
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<tr>
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Core Electives - 3 credit hours

Select one:

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<tr>
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<tr>
<td>SPED 475</td>
<td>Autism Spectrum &amp; Related Behavior Disorders</td>
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C. Related Area Requirements (15 credit hours)

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<td>Principles of Nutrition</td>
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<td>BFIN 210</td>
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<td>3</td>
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<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
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<tr>
<td>EDUC 250</td>
<td>Introduction to Literacy</td>
<td>3</td>
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<tr>
<td>EDUC 370</td>
<td>Introduction to Positive Behavior Support and Classroom Management</td>
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D. Concentration (24 credit hours)

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<tr>
<td>BKED 340</td>
<td>Early Childhood Intervention</td>
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<tr>
<td>BKED 345</td>
<td>Exploration of Early Childhood Settings</td>
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<tr>
<td>BKED 455</td>
<td>Administration of Early Childhood Programs</td>
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<tr>
<td>BKED 465</td>
<td>Community Agencies and Resources</td>
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<tr>
<td>BKED 491</td>
<td>Internship in Early Childhood</td>
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<tr>
<td>BKED 492</td>
<td>Internship in Community Agency</td>
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E. Free Electives (12 credit hours)

Subtotal: 120

Curriculum Guide for Majors in Birth through Kindergarten (BK) with Concentration in Child, Family, and Community

Freshman Year

First Semester

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<thead>
<tr>
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<tr>
<td>ENGL 102</td>
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<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
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<td></td>
<td>Social &amp; Behavioral Sciences A</td>
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<td></td>
<td>Natural Sciences and Mathematics - B</td>
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<td>Natural Sciences and Mathematics - A</td>
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<td>Physical Education Activity</td>
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Subtotal: 15

Second Semester

<table>
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<tbody>
<tr>
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<td>Freshman Seminar II</td>
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<td>HLTH 185</td>
<td>Health Concepts</td>
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<td>Social &amp; Behavioral Sciences (B)</td>
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<td></td>
<td>Free Elective</td>
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<tr>
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<td>Humanities &amp; Fine Arts (A)</td>
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Subtotal: 15
**Sophomore Year**

**First Semester**
- **EDUC 210**  Professional Studies I: Introduction to Education  3
- **EDUC 203**  Introduction to Computer Instructional Technology  3
- **BKED 201**  Introduction to Birth-Kindergarten  1
- **BKED 202**  Child Growth and Development I: Infants and Toddlers  3

Subtotal: 15

**Second Semester**
- **BFIN 210**  Personal Financial Management  3
- **ECON 201**  Principles of Economics I  3
- **SPED 310**  Introduction to Special and Diverse Learners  3
- **EDUC 250**  Introduction to Literacy  3
- **BKED 203**  Child Growth and Development II: Preschool and Kindergarten Social & Behavioral Sciences (B) 2  3

Subtotal: 15

**Junior Year**

**First Semester**
- **BKED 305**  Early Childhood Literacy Development  3
- **BKED 325**  Infant and Toddler Curriculum and Development  3
- **BKED 330**  Educational Assessment of Infants, Toddlers & Preschools  3
- **HLTH 367**  First Aid, CPR and Safety  3
- **EDUC 370**  Introduction to Positive Behavior Support and Classroom Management  3

Subtotal: 15

**Second Semester**
- **BKED 335**  Communication and Collaboration in Schools and Communities  3
- **BKED 340**  Early Childhood Intervention  3
- **BKED 345**  Exploration of Early Childhood Settings  3
- **HLTH 369**  Principles of Nutrition  3

Subtotal: 15

**Senior Year**

**First Semester**
- **BKED 420**  Preschool Curriculum  3
- **BKED 455**  Administration of Early Childhood Programs  3
- **BKED 460**  Issues and Trends in Early Childhood Education OR Autism Spectrum & Related Behavior Disorders  3
- **SPED 475**  Internship in Early Childhood  6

Subtotal: 15

**Second Semester**
- **BKED 465**  Community Agencies and Resources  3
- **Free Elective**  3
- **BKED 492**  Internship in Community Agency  6

Subtotal: 120

**Elementary Education K-6**

**OVERVIEW**

The Elementary Education Program offers professional education courses for students desiring to major in Elementary Education. This program prepares students to teach Kindergarten through sixth grade. The program bridges theory, coursework, and practice through courses and carefully selected field and clinical experiences. A minimum of 120 semester hours is required to complete the program, and majors are required to select and complete an academic concentration. After successfully completing the coursework, submitting an edTPA portfolio, and meeting the required licensure test scores, candidates will be eligible to apply for a North Carolina Elementary Education (K-6) teaching license.

**PROGRAM GOALS**

The goals of the Elementary Education Program are:
- to prepare elementary teacher candidates to develop and implement meaningful instructional plans that meet the needs of diverse 21st Century learners;
- to assist candidates in developing in-depth content knowledge needed to become effective teachers;
- to prepare candidates to utilize student data to inform instructional decision-making;
- engage candidates in opportunities to incorporate technology effectively for teaching and assessment;
- prepare candidates for obtaining an initial licensure through successfully passing licensure exams, edTPA and student teaching.

**Elementary Education K-6, B.S.Ed.**

**Curriculum**

**A. General Education Core (35 hours)**

- **MATH 121**  Number Systems and Algebra  3
- **MATH 122**  Geometry and Data Analysis  3
- **PSY 212**  General Psychology  3
### Requirements List

- **MATH 121**  
  Number Systems and Algebra  
  or  
  **MATH 122**  
  Geometry and Data Analysis  
  **PSY 212**  
  General Psychology  

### B. Major Requirement (42 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDUC 210</td>
<td>Professional Studies I: Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>ELEM 300</td>
<td>Elementary Literacy Instruction</td>
<td>3</td>
</tr>
<tr>
<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 350</td>
<td>Teaching Intermediate &amp; Content Reading</td>
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### C. Related Area Requirements (15 hours)

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<tr>
<td>EDUC 370</td>
<td>Introduction to Positive Behavior Support and Classroom Management</td>
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### D. Concentration Requirements

Choose from one of the following Concentrations

#### Mathematics Concentration (18 hours)

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#### General Science Concentration (19 hours)

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#### Social Science Concentration (18 hours)

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<td>State and Local Government</td>
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### E. Free Electives

#### Free Electives for General Science Concentration (10 hours)

#### Free Electives for Mathematics Concentration (10 hours)

#### Free Electives for Social Science Concentration (10 hours)

Subtotal: 120

### Curriculum Guide for Elementary Education K-6, General Science Concentration

#### Freshman Year

**First Semester**

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Subtotal: 16

#### Second Semester

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Subtotal: 16

#### Sophomore Year

**First Semester**

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Subtotal: 16

**Second Semester**

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Subtotal: 16

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This curriculum guide is for the School of Education and Business.
### Junior Year

#### First Semester
- **CHEM 102**: General Chemistry II 3
- **CHEM 102L**: General Chemistry II Lab 1
  - **Subtotal**: 16

#### Second Semester
- **ELEM 300**: Elementary Literacy Instruction 3
- **SPED 310**: Introduction to Special and Diverse Learners 3
- **GEOL 158**: Principles of Geological Science 3
- **GEOL 158L**: Principles of Geological Science Lab 1
- OR
- **PHYS 152**: Principles of Physical Science 3
- **PHYS 152L**: Principles of Physical Science Lab 1
  - **Free Elective**: 3
  - **Subtotal**: 13

#### Senior Year

##### First Semester
- **EDUC 410**: Professional Studies IV: Instructional Leadership and Methods 3
- **ELEM 300**: Elementary Literacy Instruction 3
- **MATH 350**: Number Theory 3
- **Free Elective 2**: 3
  - **Subtotal**: 15

##### Second Semester
- **EDUC 435**: Observation and Supervised Teaching in Elementary Education (K-6) 9
- **EDUC 495**: Seminar in Contemporary Educational Issues 3
  - **Subtotal**: 12

#### Note: Total of at least 18 semester hours required for Academic Concentration.

- **Subtotal**: 120

### Sophomore Year

#### First Semester
- **ENGL 103**: Composition II 3
- **MATH 122**: Geometry and Data Analysis 3
- **UNIV 120**: Freshman Seminar II 1
- **PSY 212**: General Psychology 3
- **Humanities & Fine Arts (B)** 2
  - **Subtotal**: 15

#### Second Semester
- **MATH 115**: College Algebra 3
- **EDUC 203**: Introduction to Computer Instructional Technology 3
- **EDUC 210**: Professional Studies I: Introduction to Education 3
- **EDUC 220**: Praxis Seminar 3
- **Physical Education Activity**: 1
  - **Subtotal**: 16

### Junior Year

#### First Semester
- **SPED 310**: Introduction to Special and Diverse Learners 3
- **EDUC 350**: Teaching Intermediate & Content Reading 3
- **ELEM 390**: Social Studies Methods in the Elementary Classroom 3
- **ELEM 395**: Science Methods in the Elementary Classroom 3
- **BIOL 350**: Introduction to Experimental Methods 3
  - **Free Elective**: 3
  - **Subtotal**: 15

#### Second Semester
- **EDUC 225**: Exploration in Mathematics 3
- **EDUC 250**: Introduction to Literacy 3
- **MATH 118**: Precalculus 3
- **Natural Sciences and Mathematics - B**: 4
- **Free Elective 1**: 3
  - **Subtotal**: 16

### Senior Year

#### First Semester
- **EDUC 410**: Professional Studies IV: Instructional Leadership and Methods 3
- **SPED 310**: Introduction to Special and Diverse Learners 3
- **ELEM 350**: Elementary Literacy Instruction 3
- **ELEM 390**: Social Studies Methods in the Elementary Classroom 3
- **ELEM 395**: Science Methods in the Elementary Classroom 3
- **EDUC 370**: Introduction to Positive Behavior Support and Classroom Management 3
- **STAT 251**: Basic Statistics 3
  - **Subtotal**: 15

#### Second Semester
- **EDUC 360**: Teaching and Assessment 3
- **ELEM 390**: Social Studies Methods in the Elementary Classroom 3
- **ELEM 395**: Science Methods in the Elementary Classroom 3
- **EDUC 370**: Introduction to Positive Behavior Support and Classroom Management 3
- **STAT 251**: Basic Statistics 3
  - **Subtotal**: 15

### Freshman Year

#### First Semester
- **ENGL 102**: Composition I 3
- **UNIV 110**: Freshman Seminar I 1
- **MATH 121**: Number Systems and Algebra 3

#### Subtotal: 16

#### Curriculum Guide for Elementary Education K-6, Math Concentration

#### Freshman Year

#### First Semester
- **ENGL 102**: Composition I 3
- **UNIV 110**: Freshman Seminar I 1
- **MATH 121**: Number Systems and Algebra 3
### ELEM 430
Mathematics Methods in the Elementary Classroom 3
### MATH 352
College Geometry 3
### EDUC 279
Multicultural Education 3
Free Elective 3
Subtotal: 16

### Second Semester
EDUC 435  Observation and Supervised Teaching in Elementary Education (K-6) 9
EDUC 495  Seminar in Contemporary Educational Issues 3
Subtotal: 12

**Note:** Total of at least 18 semester hours required for Academic Concentration.

Subtotal: 120

### Curriculum Guide for Elementary Education K-6, Social Science Concentration

#### Freshman Year

**First Semester**

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**Second Semester**

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#### Sophomore Year

**First Semester**

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#### Junior Year

**First Semester**

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**Second Semester**

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#### Senior Year

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</table>

Subtotal: 15

### Note:** Total of at least 18 semester hours required for Concentration.

Subtotal: 120

### Transcript will be required for review.

#### A. Specialty Area Course Requirements (9 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 370</td>
<td>Introduction to Positive Behavior Support and Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 203</td>
<td>Introduction to Computer</td>
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</tr>
<tr>
<td>EDUC 250</td>
<td>Introduction to Literacy</td>
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Subtotal: 12
B. Professional Core Courses (39 hours)

<table>
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<tbody>
<tr>
<td>EDUC 210</td>
<td>Professional Studies I: Introduction to Education</td>
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<tr>
<td>ELEM 300</td>
<td>Elementary Literacy Instruction</td>
<td>3</td>
</tr>
<tr>
<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 350</td>
<td>Teaching Intermediate &amp; Content Reading</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 360</td>
<td>Teaching and Assessment</td>
<td>3</td>
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<tr>
<td>EDUC 410</td>
<td>Professional Studies IV: Instructional Leadership and Methods</td>
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<tr>
<td>EDUC 435</td>
<td>Observation and Supervised Teaching in Elementary Education (K-6)</td>
<td>9</td>
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<tr>
<td>EDUC 495</td>
<td>Seminar in Contemporary Educational Issues</td>
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<tr>
<td>ELEM 390</td>
<td>Social Studies Methods in the Elementary Classroom</td>
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</tr>
<tr>
<td>ELEM 395</td>
<td>Science Methods in the Elementary Classroom</td>
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<tr>
<td>ELEM 430</td>
<td>Mathematics Methods in the Elementary Classroom</td>
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Subtotal: 48

Residency License/Licensure-Only, Elementary Education K-6 Curriculum Guide

A. Professional Core Courses (15 hours)

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<th>Course Title</th>
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<tbody>
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<td>Introduction to Special and Diverse Learners</td>
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<td>ELEM 360</td>
<td>Teaching and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 410</td>
<td>Professional Studies IV: Instructional Leadership and Methods</td>
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<tr>
<td>ELEM 300</td>
<td>Elementary Literacy Instruction</td>
<td>3</td>
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<tr>
<td>ELEM 430</td>
<td>Mathematics Methods in the Elementary Classroom</td>
<td>3</td>
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B. Specialty Area Course Requirements (6 hours)

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<tr>
<td>EDUC 203</td>
<td>Introduction to Computer Instructional Technology</td>
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<tr>
<td>EDUC 370</td>
<td>Introduction to Positive Behavior Support and Classroom Management</td>
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Subtotal: 25

Professional Education Sequence Minor in Secondary Education

A Core Requirement (27 hours)

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<th>Course Title</th>
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<tbody>
<tr>
<td>EDUC 210</td>
<td>Professional Studies I: Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>ELEM 360</td>
<td>Teaching and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 430</td>
<td>Secondary Instructional Methods (9-12)</td>
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<tr>
<td>EDUC 350</td>
<td>Teaching Intermediate &amp; Content Reading</td>
<td>3</td>
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<tr>
<td>EDUC</td>
<td>Observation and Supervised Teaching in the Academic Discipline</td>
<td>12</td>
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<tr>
<td>EDUC 495</td>
<td>Seminar in Contemporary Educational Issues</td>
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Subtotal: 27

Elementary Education - Non-Teaching Concentration

Curriculum

A. General Education Requirements (35 hours)

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<th>Course Title</th>
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<tr>
<td>MATH 121</td>
<td>Number Systems and Algebra or</td>
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<tr>
<td>MATH 122</td>
<td>Geometry and Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>PSY 212</td>
<td>General Psychology</td>
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B. Major Requirements (28 hours)

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<tbody>
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<td>EDUC 210</td>
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<td>ELEM 300</td>
<td>Elementary Literacy Instruction</td>
<td>3</td>
</tr>
<tr>
<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 279</td>
<td>Multicultural Education</td>
<td>3</td>
</tr>
<tr>
<td>BKED 305</td>
<td>Early Childhood Literacy</td>
<td>3</td>
</tr>
<tr>
<td>SPED 475</td>
<td>Autism Spectrum &amp; Related Behavior Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPED 302</td>
<td>Assessing and Teaching Beginning Reading</td>
<td>4</td>
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<tr>
<td>BKED 330</td>
<td>Educational Assessment of Infants, Toddlers &amp; Preschools</td>
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C. Related Area Requirements (30 hours)

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<tbody>
<tr>
<td>EDUC 225</td>
<td>Exploration in Mathematics</td>
<td>3</td>
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<tr>
<td>EDUC 203</td>
<td>Introduction to Computer Instructional Technology</td>
<td>3</td>
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<tr>
<td>EDUC 250</td>
<td>Introduction to Literacy</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 220</td>
<td>Praxis Seminar</td>
<td>3</td>
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<tr>
<td>EDUC 370</td>
<td>Introduction to Positive Behavior Support and Classroom Management</td>
<td>3</td>
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<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>PSY 250</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
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<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
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<tr>
<td>ENGL 319</td>
<td>Children's Literature</td>
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D. Concentration Requirements (18 hours)

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<td>HIST 200</td>
<td>Introduction to History</td>
<td>3</td>
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<td>HIST 251</td>
<td>African American History since 1877</td>
<td>3</td>
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<tr>
<td>HIST 255</td>
<td>American History to 1877</td>
<td>3</td>
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<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
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<tr>
<td>HIST 376</td>
<td>African-American Experience in North Carolina</td>
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<tr>
<td>GEG 142</td>
<td>Introduction to Geography</td>
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E. Free Electives (9 hours)

Subtotal: 120

Curriculum Guide for Majors in Elementary Education with Concentration in Non-Teaching

Freshman Year

First Semester

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>ENGL 102</td>
<td>Composition I</td>
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<td>Course Code</td>
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<td>Credits</td>
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<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
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<tr>
<td>MATH 121</td>
<td>Number Systems and Algebra</td>
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<tr>
<td>OR</td>
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<tr>
<td>MATH 122</td>
<td>Geometry and Data Analysis</td>
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<td>SPCH 200</td>
<td>Public Speaking</td>
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<td>HLTH 185</td>
<td>Health Concepts</td>
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<td>Social &amp; Behavioral Sciences A</td>
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<td>ENGL 103</td>
<td>Composition II</td>
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<td>Introduction to Business</td>
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<td>Introduction to Geography</td>
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<td>EDUC 203</td>
<td>Introduction to Computer</td>
<td>3</td>
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<tr>
<td>EDUC 220</td>
<td>Praxis Seminar</td>
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<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>HIST 200</td>
<td>Introduction to History</td>
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</tr>
<tr>
<td>EDUC 225</td>
<td>Exploration in Mathematics</td>
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<td>Introduction to Literacy</td>
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<td>Natural Sciences and Mathematics - B</td>
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<td>ELEM 300</td>
<td>Elementary Literacy Instruction</td>
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<td>EDUC 279</td>
<td>Multicultural Education</td>
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<td>PSY 250</td>
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<td>ENGL 319</td>
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<td></td>
<td>Development</td>
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<td>HIST 251</td>
<td>African American History since 1877</td>
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<tr>
<td>EDUC 370</td>
<td>Introduction to Positive Behavior Support and Classroom Management</td>
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<td>ECON 201</td>
<td>Principles of Economics I</td>
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<td><strong>Senior Year</strong></td>
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<td>HIST 255</td>
<td>American History to 1877</td>
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<td>BKED 335</td>
<td>Communication and Collaboration in Schools and Communities</td>
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<td>SPED 302</td>
<td>Assessing and Teaching Beginning</td>
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**Education Academic Concentrations**

Listed below are the academic concentration courses from which elementary education candidates shall select a minimum of 18 credit hours:

**General Science**

**Required Courses**

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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 100</td>
<td>Principles of Biological Science</td>
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<td>BIOL 100L</td>
<td>Principles of Biological Science Lab</td>
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<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>3</td>
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<tr>
<td>CHEM 101L</td>
<td>General Chemistry I Lab</td>
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<td>CHEM 102</td>
<td>General Chemistry II</td>
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<td>ENSC 101</td>
<td>General Environmental Science</td>
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<td>ENSC 101L</td>
<td>General Environmental Science Laboratory</td>
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<td>GEOL 158</td>
<td>Principles of Geological Science</td>
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<td>GEOL 158L</td>
<td>Principles of Geological Science Lab</td>
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**Mathematics**

**Required Courses**

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<td>Precalculus</td>
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<td>MATH 122</td>
<td>Geometry and Data Analysis</td>
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<td>STAT 251</td>
<td>Basic Statistics</td>
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<td>Number Theory</td>
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<td>MATH 352</td>
<td>College Geometry</td>
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**Psychology**

**Required Courses**

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<tr>
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<td>Developmental Psychology</td>
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<tr>
<td>PSY 301</td>
<td>Statistics and Research Design</td>
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<td>PSY 311</td>
<td>Psychological Tests and Measurement</td>
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<td>PSY 351</td>
<td>Experimental Psychology</td>
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<td>PSY 450</td>
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**Social Sciences**

**Required Courses**

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<th>Course Title</th>
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<td>Principles of Economics I</td>
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</tr>
<tr>
<td>GEOG 142</td>
<td>Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 200</td>
<td>Introduction to History</td>
<td>3</td>
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</table>
HIST 251  African American History since 1877  3
HIST 255  American History to 1877  3
HIST 376  African-American Experience in North Carolina OR  3
POLS 299  State and Local Government  3

Secondary Education Minor Required courses
Curriculum

Core Requirements (27 hours)
EDUC 210  Professional Studies I: Introduction to Education  3
SPED 310  Introduction to Special and Diverse Learners  3
EDUC 360  Teaching and Assessment  3
EDUC 430  Secondary Instructional Methods (9-12)  3
EDUC 350  Teaching Intermediate & Content Reading  3
EDUC 370  Introduction to Positive Behavior Support and Classroom Management  3
SPED 400  Methods of Assessing & Teaching Writing to Diverse Learners  2
SPED 432  Assessing & Teaching Mathematics to Diverse Learners  4
SPED 450  Implementing Positive Behavior Support  3
SPED 460  Methods of Management & Organization  2
SPED 466  Advocacy & Collaboration  4
EDUC 495  Seminar in Contemporary Educational Issues  3

Subtotal: 27

Special Education Overview
The Dr. Helen Marshall Caldwell Department of Education offers a program leading to the Bachelor of Science with a major in Special Education: General Curriculum K-12, and initial North Carolina Licensure in Special Education: General Curriculum. This rigorous program of study is designed to provide the opportunities and experiences the candidates need to be effective teachers of students with disabilities, in diverse settings. Special emphasis is placed on the needs of culturally and linguistically diverse learners. Candidates are assisted to make the transition from theory to practice through the integration of carefully selected field experiences and classroom activities and assignments. After completion of coursework, submission of an edTPA portfolio and success on Special Education licensure exams, students may apply for an NC initial license

Program Goals
The goals of the Special Education Program are to:
1. provide an instructional program that incorporates technologies and reflects research-validated practices in special education and teacher preparation in general, in order to enhance the learning and the delivery of services to students with disabilities and their families;
2. ensure that all candidates become effective facilitators, critical thinkers, advocates of diversity, reflective practitioners, proficient technology users and competent evaluators; and
3. comply with guidelines, standards, competencies, policies, etc., established by the Council for the Accreditation of Educator Preparation (CAEP) and the North Carolina Department of Public Instruction (NCDPI)

Special Education - Concentration in Community Agencies, Policy and Enterprise, B.S.

Curriculum

A. General Education Requirements (35 hours)
ECON 201  Principles of Economics I  3

B. Major Requirements (31 hours)
1. Core Courses (28 hours)
SPED 302  Assessing and Teaching Beginning Reading  4
SPED 334  Assessment in Special Education  3
EDUC 370  Introduction to Positive Behavior Support and Classroom Management  3
SPED 400  Methods of Assessing & Teaching Writing to Diverse Learners  2
SPED 432  Assessing & Teaching Mathematics to Diverse Learners  4
SPED 450  Implementing Positive Behavior Support  3
SPED 460  Methods of Management & Organization  2
SPED 466  Advocacy & Collaboration  4
SPED 310  Introduction to Special and Diverse Learners  3

2. Core Electives (3 hours)
Select one:
ELEM 390  Social Studies Methods in the Elementary Classroom  3
ELEM 395  Science Methods in the Elementary Classroom  3

C. Related Area Requirements (30 hours)
EDUC 203  Introduction to Computer Instructional Technology  3
EDUC 210  Professional Studies I: Introduction to Education  3
EDUC 225  Exploration in Mathematics  3
EDUC 250  Introduction to Literacy  3
BUAD 115  Introduction to Business  3
BUAD 200  Business Communication  3
### School of Education and Business

**BUAD 322**  
Entrepreneurship  
3

**ACCT 210**  
Financial Accounting  
3

**PSY 212**  
General Psychology  
3

**PSY 250**  
Developmental Psychology  
3

## D. Concentration Requirements (12 hours)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BKED 454</td>
<td>Inclusive Preschool Environments</td>
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<td>BKED 465</td>
<td>Community Agencies and Resources</td>
<td>3</td>
</tr>
<tr>
<td>BKED 340</td>
<td>Early Childhood Intervention</td>
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<tr>
<td>SPED 475</td>
<td>Autism Spectrum &amp; Related Behavior Disorders</td>
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</table>

## E. Free Electives (12 hours)

**Subtotal:** 120

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### Curriculum Guide for Special Education Majors with Concentration in Community Agencies, Policy and Enterprise

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**Freshman Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
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<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
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<td></td>
<td>Humanities &amp; Fine Arts B</td>
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**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENGL 103</td>
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<td>UNIV 120</td>
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<td></td>
<td>Social &amp; Behavioral Sciences A</td>
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<td>Humanities &amp; Fine Arts (A) 2</td>
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<td>EDUC 210</td>
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### Sophomore Year

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>EDUC 250</td>
<td>Introduction to Literacy</td>
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<td>EDUC 203</td>
<td>Introduction to Computer</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
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<td>PSY 212</td>
<td>General Psychology</td>
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<td>Humanities &amp; Fine Arts (A) 1</td>
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**Second Semester**

<table>
<thead>
<tr>
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<th>Title</th>
<th>Hours</th>
</tr>
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<tr>
<td>EDUC 225</td>
<td>Exploration in Mathematics</td>
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<tr>
<td>BKED 340</td>
<td>Early Childhood Intervention</td>
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<tr>
<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
<td>3</td>
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<tr>
<td>PSY 250</td>
<td>Developmental Psychology</td>
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### Junior Year

**First Semester**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>SPED 302</td>
<td>Assessing and Teaching Beginning Reading</td>
<td>4</td>
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<tr>
<td>SPED 334</td>
<td>Assessment in Special Education</td>
<td>3</td>
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**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tr>
<td>BUAD 115</td>
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### Senior Year

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>SPED 400</td>
<td>Methods of Assessing &amp; Teaching Writing to Diverse Learners</td>
<td>2</td>
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<tr>
<td>SPED 460</td>
<td>Methods of Management &amp; Organization</td>
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<td>SPED 466</td>
<td>Advocacy &amp; Collaboration</td>
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<td>ACCT 101</td>
<td>Accounting for Non-business Majors</td>
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<tr>
<td>Free Elective 2</td>
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**Second Semester**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BUAD 322</td>
<td>Entrepreneurship</td>
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<tr>
<td>SPED 475</td>
<td>Autism Spectrum &amp; Related Behavior Disorders</td>
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<td>BKED 465</td>
<td>Community Agencies and Resources</td>
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<td>BKED 454</td>
<td>Inclusive Preschool Environments</td>
<td>3</td>
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<td>Free Elective 4</td>
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**Subtotal:** 120

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## Special Education - Concentration in Educator Preparation, B.S.

### Curriculum

#### A. General Education courses (35 hours)

#### B. Core Requirements (31 hours)

---

## Second Semester

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>BUAD 300</td>
<td>Business Communication</td>
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<tr>
<td>SPED 390</td>
<td>Social Studies Methods in the Inclusive Classroom OR</td>
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<tr>
<td>ELEM 390</td>
<td>Social Studies Methods in the Elementary Classroom OR</td>
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<tr>
<td>ELEM 395</td>
<td>Science Methods in the Elementary Classroom</td>
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<tr>
<td>SPED 432</td>
<td>Assessing &amp; Teaching Mathematics to Diverse Learners</td>
<td>4</td>
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<tr>
<td>SPED 450</td>
<td>Implementing Positive Behavior Support</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective 2</td>
<td></td>
<td>3</td>
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<tr>
<td><strong>Subtotal:</strong></td>
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</tbody>
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## Subtotal: 120
SPED 432  Assessing & Teaching Mathematics to Diverse Learners 4
SPED 450  Implementing Positive Behavior Support 3
SPED 460  Methods of Management & Organization 2
SPED 466  Advocacy & Collaboration 4
SPED 310  Introduction to Special and Diverse Learners 3

2. Core electives (3 hours)
Select one course from the following:

ELEM 390  Social Studies Methods in the Elementary Classroom 3
OR
SPED 390  Social Studies Methods in the Inclusive Classroom 3
OR
ELEM 395  Science Methods in the Elementary Classroom 3

C. Related Area Requirements (27 hours)
EDUC 203  Introduction to Computer Instructional Technology 3
EDUC 210  Professional Studies I: Introduction to Education 3
EDUC 220  Praxis Seminar 3
EDUC 225  Exploration in Mathematics 3
EDUC 250  Introduction to Literacy 3
EDUC 350  Teaching Intermediate & Content Reading 3
EDUC 360  Teaching and Assessment 3
PSY 212  General Psychology 3
PSY 250  Developmental Psychology 3

D. Concentration Requirements (12 hours)
EDUC 475  Observation and Supervised Teaching in Special Education/General Curriculum (K-12) 9
EDUC 495  Seminar in Contemporary Educational Issues 3

E. Free Electives (15 hours)
Subtotal: 120

Curriculum Guide for Special Education Majors with Concentration in Educator Preparation

Freshman Year
First Semester
ENGL 102  Composition I 3
UNIV 110  Freshman Seminar I 1
HLTH 185  Health Concepts 2
Natural Sciences and Mathematics - B 4
Natural Sciences and Mathematics - A 3
Humanities & Fine Arts B 2
Subtotal: 15

Second Semester
ENGL 103  Composition II 3
UNIV 120  Freshman Seminar II 1
Social & Behavioral Sciences (B) 1 3

Sophomore Year
First Semester
EDUC 210  Professional Studies I: Introduction to Education 3
EDUC 203  Introduction to Computer Instructional Technology 3
PSY 212  General Psychology 3
Humansities & Fine Arts (A) 1 3
Subtotal: 15

Second Semester
EDUC 225  Exploration in Mathematics 3
EDUC 250  Introduction to Literacy 3
SPED 310  Introduction to Special and Diverse Learners 3
PSY 250  Developmental Psychology 3
Physical Education Activity 1
Free Elective 1 3
Subtotal: 16

Junior Year
First Semester
SPED 302  Assessing and Teaching Beginning Reading 4
SPED 334  Assessment in Special Education 3
EDUC 370  Introduction to Positive Behavior Support and Classroom Management 3
EDUC 360  Teaching and Assessment 3
Free Elective 2 3
Subtotal: 16

Second Semester
EDUC 350  Teaching Intermediate & Content Reading 3
ELEM 390  Social Studies Methods in the Elementary Classroom 3
OR
ELEM 395  Science Methods in the Elementary Classroom 3
SPED 432  Assessing & Teaching Mathematics to Diverse Learners 4
SPED 450  Implementing Positive Behavior Support 3
Free Elective 3 3
Free Elective 5 3
Subtotal: 16

Senior Year
First Semester
SPED 400  Methods of Assessing & Teaching Writing to Diverse Learners 2
SPED 460  Methods of Management & Organization 2
SPED 466  Advocacy & Collaboration 4
Free Elective 4 3
Free Elective 5 3
Subtotal: 14
Second Semester

EDUC 475  Observation and Supervised Teaching in Special Education/General Curriculum (K-12)  9
EDUC 495  Seminar in Contemporary Educational Issues  3

Subtotal: 12

Licensure-Only Requirements (47 hours)

Required Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Required Courses</th>
<th>Hours</th>
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<td>EDUC 210</td>
<td>Professional Studies I: Introduction to Education</td>
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<td>EDUC 203</td>
<td>Introduction to Computer Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 360</td>
<td>Teaching and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 475</td>
<td>Observation and Supervised Teaching in Special Education/General Curriculum (K-12)</td>
<td>9</td>
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<tr>
<td>EDUC 495</td>
<td>Seminar in Contemporary Educational Issues</td>
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<tr>
<td>SPED 302</td>
<td>Assessing and Teaching Beginning Reading</td>
<td>4</td>
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<td>SPED 334</td>
<td>Assessment in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 370</td>
<td>Introduction to Positive Behavior Support and Classroom Management</td>
<td>3</td>
</tr>
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<td>Assessing &amp; Teaching Mathematics to Diverse Learners</td>
<td>4</td>
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<tr>
<td>SPED 450</td>
<td>Implementing Positive Behavior Support</td>
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</tr>
<tr>
<td>SPED 460</td>
<td>Methods of Management &amp; Organization</td>
<td>2</td>
</tr>
<tr>
<td>SPED 466</td>
<td>Advocacy &amp; Collaboration</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 47

Candidates seeking an add-on license, please see the program coordinator for an individualized plan. Subtotal: 20

Office of Educator Preparation

The Educator Preparation Programs are approved by the North Carolina Department of Public Instruction and is accredited by the Council for the Accreditation of Educator Preparation (CAEP) formerly NCATE. Program coursework meets Interstate New Teacher Assessment and Support Consortium (InTASC) Standards, North Carolina Teaching Standards, International Society for Technology in Education (ISTE) Standards, Specialty Standards and the Department’s Conceptual Framework.

CONCEPTUAL FRAMEWORK 21ST CENTURY PROFESSIONAL EDUCATOR

The Conceptual Framework 21st Century Professional Educator, describes the vision and purpose of the Dr. Helen Marshall Caldwell Department of Education, Psychology and Health in preparing educators to work in P-12 schools. Consistent with the institution’s mission, the Department's focus is to prepare educators to be global competitors, advocates for diversity, healthy and responsible citizens, critical thinkers and innovators, embedded technology users and effective communicators and collaborators who are capable of meeting the diverse needs of all learners. Supported by a strong knowledge base, the conceptual framework provides a system for ensuring coherence and a well-articulated professional commitment to student knowledge of content, teaching effectiveness, leadership, and learning. This coherence is reflected in the curriculum, instruction, and clinical experiences to develop the knowledge, skills, and dispositions that are valued in the professional educator. The conceptual framework is designed as the guiding force for program implementation, assessment, evaluation, and effectiveness.

ADMISSION INTO THE EDUCATOR PREPARATION PROGRAM

Admission into the Educator Preparation Program is open to both degree-seeking students and post-baccalaureate, non-degree (NC Residency/Licensure-Only) students who meet the requirements established by the University and the individual
program in which they are seeking certification.

INITIAL ADMISSION TO THE PROGRAM

According to the criteria established by the Department of Public Instruction and the Department of Education, students must complete the following for program eligibility

- meet regularly with assigned advisor;
- complete an application to the Educator Preparation Program;
- complete a criminal background check with certified background.com and have a satisfactory record;
- completed 15 hours of classroom field experience
- undergraduate GPA of at least 2.80;
- complete interview process;
- acceptable writing sample; and
- *satisfy Praxis Core
*Licensure Only candidates are not required to take Praxis Core.

Each student who applies for admission to the Educator Preparation Program will be given written notification regarding admission or denial. A student is not considered admitted to the Educator Preparation Program until such notification is provided.

PROGRAM RETENTION

- Students should attend all Education majors meetings
- Meet with advisor(s) semesterly
- Maintain a cumulative grade point average of a 2.80
- Complete all major/minor/concentration requirements

Students are encouraged to meet all program requirements. Failure to meet requirements could compromise Educator Preparation admission status, requiring program reinstatement.

PREREQUISITES FOR STUDENT TEACHING

In order to qualify for student teaching, a student must:

- be admitted into the Educator Preparation Program;
- be in the final semester at the University;
- have a minimum overall cumulative grade point average of 2.80 on a scale of 4.0;
- complete all General Education courses and all required education courses except student teaching;
- remove all deficiencies, if any, by the established deadline.

REQUIREMENTS FOR EXIT

Each student must satisfy the following requirements to complete the Educator Preparation Program:

- Complete all major/minor/concentration courses
- Successfully complete student teaching and submit all student teaching forms
- Complete Exit Interview
- Complete and submit an edTPA portfolio
- Satisfy program licensure exams

APPLYING FOR A NC TEACHING LICENSE

Students must apply for North Carolina teaching license or renewal using the North Carolina online licensing system. Students must submit the following:

- An official transcript (including degree awarded date)
- Certification of Teacher Capacity Form
- Praxis II or NCTEL (NCTEL-Elementary & Special Education programs only)

CURRICULUM CENTER

The Curriculum Center provides a wide variety of books and instructional materials at levels ranging from Pre-K through secondary. Included are selected textbook series and supplementary materials for children and youth. Materials for lesson plans, unit development, exercises, testing, instructional aids, and teaching strategies are also available. Also included are reference books pertaining to children’s literature, instructional media, posters, art prints, recordings, and manipulatives for hands-on experiences.

University-Schools Educator Preparation Partnership (U-STEP)

U-STEP is designed to unite the educator preparation education program and the public school system. In this collaboration, ECSU and the public school
systems work together to prepare university students to become skilled teachers. The partnership focuses on the mutual goal of quality teaching to foster learning and research in schools. Through U-STEP students engage in year-long student teaching.

Field and clinical experiences in Elizabeth City State University's Educator Preparation Program are systematically planned to involve students in increasingly real teaching experiences. Students complete 15 hours of field experience prior to program admission. During the year-long, the clinical experience required for all methods courses is the basis for the time in the field during the first semester (clinical I) prior to candidates' student teaching (clinical II) experiences. During the first semester, students will complete 25-60 hours. Students will complete 16 weeks of student teaching.
The School of Humanities and Social Sciences houses the following departments:

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

**DEPARTMENT OF ENGLISH AND DIGITAL MEDIA**

The Department of English and Digital Media provides all students with integrated experiences and instruction in the English language, literature, creative writing, communication studies, digital media, and foreign languages. It seeks to achieve four major objectives:

1. to develop in all students' proficiency in the use of the English language and in analytical thinking, writing, and problem-solving skills;
2. to assist all students in understanding and appreciating their literary heritage and that of other peoples;
3. to prepare students for careers in the digital media and communication fields and
4. to provide majors with a rich background in communication skills and to encourage their admission into professional programs such as law, public relations, government service, and education.

In addition to the department’s objectives for all its majors, the department welcomes students in other majors who wish to achieve the following:

- an understanding of the role of communication in daily life with a focus on the importance of cultural diversity in communication;
- a proficiency in the use of professional skills, techniques, methodologies, and supportive techniques in specific disciplines;
- the acquisition of professional values and ethics;
- a regimen of self-growth and professional development; and
- the mastery of their creative writing skills.

The Department of English and Digital Media offers Bachelor of Arts degrees in English and Digital Media Art. The English and Digital Media Art degree programs are tangential areas of study which provide students with instruction, experience, and training for the purpose of self-development, enrichment, possible career alternatives, and graduate school.

*All students are expected to achieve a grade of "C" or better in English and Digital Media courses in order to earn credit toward graduation.*

**English, B.A.**

Curriculum

**A. General Education Requirements (35 hours)**

**B. Major Requirements (54 hours)**

1. **Core Courses (21 hours)**
   - ENGL 299 Introduction to English Studies 3
   - ENGL 303 Literary Criticism 3
   - ENGL 316 Introduction to Rhetoric and Composition 3
   - ENGL 399 Introduction to Creative Writing 3
   - ENGL 425 Shakespeare 3
   - ENGL 458 African American Literature 3
   - ENGL 498 Research Methods in English--Capstone 3

2. **Core Electives I (15 hours)**
   Select one course from each of the 5 categories below.

   **American Literature**
   - Select one course from the list below.
     - ENGL 305 American Literature I 3
     - ENGL 306 American Literature II 3
     - ENGL 307 Southern Literature 3
     - ENGL 360 Special Topics in American Literature 3
     - ENGL 465 Contemporary American Literature 3
     - ENGL 466 The American Novel 3

   **British Literature**
   - Select one course from the list below.
     - ENGL 301 British Literature I 3
     - ENGL 302 British Literature II 3
     - ENGL 370 Special Topics in British Literature 3
ENGL 428  English Literature of the 18th Century  3
ENGL 429  English Literature of the 19th Century  3
ENGL 430  The British Novel  3
ENGL 467  Contemporary British Literature  3

**Genre Studies**

Select one course from the list below.

- ENGL 319  Children's Literature  3
- ENGL 325  Digital Literacy Studies  3
- ENGL 336  Young Adult Literature  3
- ENGL 350  The Graphic Novel  3
- ENGL 404  Film and Literature  3

**Diversity and Literature**

Select one course from the list below.

- ENGL 308  Multi-Ethnic American Literature  3
- ENGL 309  Caribbean Literature  3
- ENGL 310  Harlem Renaissance  3
- ENGL 311  Introduction to Women's Literature  3
- ENGL 400  Asian American Writers  3
- ENGL 405  Gender and Literature  3
- ENGL 411  Postcolonial Literature  3
- ENGL 479  Special Studies & Research in Language and Literature  1-3

**Writing Studies**

Select one course from the list below.

- ENGL 317  Advanced Composition  3
- ENGL 327  History of the English Language  3
- ENGL 380  Introduction to Fiction  3
- ENGL 390  Introduction to Poetry  3
- ENGL 401  Technical Writing  3
- ENGL 406  Intermediate Creative Writing: Poetry  3
- ENGL 407  Special Topics in Creative Writing  3
- JOUR 351  Journalism I  3
- JOUR 352  Journalism II  3

3. **Core Electives II (18 hours)**

Select 18 credit hours from the courses listed in this section and any courses that have not already been taken with the following prefix: ENGL, SPCH.

**C. Related Area Requirements (6 hours)**

Select any two consecutive foreign languages.

**D. Concentration Requirements**

**E. Free Electives (25 hours)**

Subtotal: 120

Curriculum Guide for Majors in English

**Freshman Year**

**First Semester**

- ENGL 102  Composition I  3
- UNIV 110  Freshman Seminar I  1
- HLTH 185  Health Concepts  2
- Any approved foreign language  3
- Natural Sciences and Mathematics  4

**Second Semester**

- ENGL 103  Composition II  3
- UNIV 120  Freshman Seminar II  1
- Any approved foreign language  3
- Natural Sciences and Mathematics  3
- Social & Behavioral Sciences (B)  2
- Physical Education Activity  1

Subtotal: 16

**Sophomore Year**

**First Semester**

- ENGL 201  World Literature I  3
- ENGL 299  Introduction to English Studies  3
- Social & Behavioral Sciences A  3
- ENGL 316  Introduction to Rhetoric and Composition  3
- ENGL 399  Introduction to Creative Writing  3

Subtotal: 15

**Second Semester**

ENGL 303  Literary Criticism  3
Free Elective I  1
Humanities & Fine Arts B  2
Humanities & Fine Arts (A)  3
Core Elective  3
Core Elective  3

Subtotal: 15

**Junior Year**

**First Semester**

- ENGL 425  Shakespeare  3
- ENGL 458  African American Literature  3
- Core Elective  3

Subtotal: 15

**Second Semester**

Free Elective  6
Core Elective  3
Core Elective  3
Core Elective  3

Subtotal: 15

**Senior Year**

**First Semester**

Free Elective  6
Core Elective V  3
Core Elective  3
Core Elective  3

Subtotal: 15

**Second Semester**

Free Elective  3
Core Elective  3
Core Elective  3
Core Elective  3

ENGL 498  Research Methods in English--Capstone  3

Subtotal: 15

Subtotal: 120
Digital Media Arts

Curriculum

**A. General Education Requirements (35 hours)**

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<th>Course Title</th>
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<td>Intercultural Communication</td>
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<tr>
<td>DGM 159</td>
<td>Interactive Video</td>
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<tr>
<td>DGM 165</td>
<td>Digital Media Communications</td>
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</tr>
<tr>
<td>DGM 260</td>
<td>Film Theory &amp; Cinematography</td>
<td>3</td>
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<tr>
<td>DGM 298</td>
<td>Social Media Analysis</td>
<td>3</td>
</tr>
<tr>
<td>DGM 371</td>
<td>Digital Storytelling</td>
<td>3</td>
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<td>MCOM 347</td>
<td>Mass Communication Theory and Research</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 450</td>
<td>Media Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 479</td>
<td>Special Topics and Studies in Mass Communications</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 498</td>
<td>Internship</td>
<td>3-6</td>
</tr>
<tr>
<td>MCOM 499</td>
<td>Broadcast Seminar</td>
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</table>

**B. Major Requirements (33 hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>COM 201</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>DGM 159</td>
<td>Interactive Video</td>
<td>3</td>
</tr>
<tr>
<td>DGM 165</td>
<td>Digital Media Communications</td>
<td>3</td>
</tr>
<tr>
<td>DGM 260</td>
<td>Film Theory &amp; Cinematography</td>
<td>3</td>
</tr>
<tr>
<td>DGM 298</td>
<td>Social Media Analysis</td>
<td>3</td>
</tr>
<tr>
<td>DGM 371</td>
<td>Digital Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 347</td>
<td>Mass Communication Theory and Research</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 450</td>
<td>Media Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 479</td>
<td>Special Topics and Studies in Mass Communications</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 498</td>
<td>Internship</td>
<td>3-6</td>
</tr>
<tr>
<td>MCOM 499</td>
<td>Broadcast Seminar</td>
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</table>

**E. Free Electives (10 hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCOM 450</td>
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<td>3</td>
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<tr>
<td>MCOM 479</td>
<td>Special Topics and Studies in Mass Communications</td>
<td>3</td>
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<tr>
<td>MCOM 498</td>
<td>Internship</td>
<td>3-6</td>
</tr>
<tr>
<td>MCOM 499</td>
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**C. Related Area Requirements (42 hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ART 100</td>
<td>Art Foundations</td>
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<tr>
<td>ART 101</td>
<td>Introduction to Media Arts</td>
<td>3</td>
</tr>
<tr>
<td>ART 201</td>
<td>Visual Information Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 325</td>
<td>Digital Literacy Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 399</td>
<td>Introduction to Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 401</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>ART 111</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 301</td>
<td>Interactive Design</td>
<td>3</td>
</tr>
<tr>
<td>DGM 325</td>
<td>Drone Cinematography</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 353</td>
<td>Radio Production</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 354</td>
<td>Advanced Radio Production</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 355</td>
<td>Television Production</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 356</td>
<td>Advanced Television Production</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 357</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 349</td>
<td>Mass Media</td>
<td>3</td>
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<tr>
<td>JOUR 451</td>
<td>Broadcast Journalism</td>
<td>3</td>
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<tr>
<td>SPCH 200</td>
<td>Public Speaking</td>
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<tr>
<td>HIST 320</td>
<td>Introduction to Digital &amp; Public History</td>
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</table>

Subtotal: 120

Curriculum Guide for Majors in Digital Media Arts

**Freshman Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
<td>1</td>
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<tr>
<td></td>
<td>Natural Sciences and Mathematics - A</td>
<td>4</td>
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<td>Social &amp; Behavioral Sciences A</td>
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**Second Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
<td>1</td>
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<tr>
<td></td>
<td>Natural Sciences and Mathematics - A</td>
<td>3</td>
</tr>
<tr>
<td>ART 101</td>
<td>Introduction to Media Arts</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social &amp; Behavioral Sciences A</td>
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**Sophomore Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
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<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
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<td></td>
<td>Natural Sciences and Mathematics - A</td>
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<tr>
<td>ART 101</td>
<td>Introduction to Media Arts</td>
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</tr>
<tr>
<td></td>
<td>Social &amp; Behavioral Sciences A</td>
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**Second Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Natural Sciences and Mathematics - A</td>
<td>3</td>
</tr>
<tr>
<td>ART 101</td>
<td>Introduction to Media Arts</td>
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</tr>
<tr>
<td></td>
<td>Social &amp; Behavioral Sciences A</td>
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</table>

**Junior Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>DGM 298</td>
<td>Social Media Analysis</td>
<td>3</td>
</tr>
<tr>
<td>DGM 371</td>
<td>Digital Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 347</td>
<td>Mass Communication Theory and Research</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 325</td>
<td>Digital Literacy Studies</td>
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**Second Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>DGM 298</td>
<td>Social Media Analysis</td>
<td>3</td>
</tr>
<tr>
<td>DGM 371</td>
<td>Digital Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 347</td>
<td>Mass Communication Theory and Research</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 325</td>
<td>Digital Literacy Studies</td>
<td>3</td>
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</table>

**Senior Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>DGM 298</td>
<td>Social Media Analysis</td>
<td>3</td>
</tr>
<tr>
<td>DGM 371</td>
<td>Digital Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 450</td>
<td>Media Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 498</td>
<td>Internship</td>
<td>3-6</td>
</tr>
<tr>
<td>MCOM 499</td>
<td>Broadcast Seminar</td>
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**Second Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MCOM 450</td>
<td>Media Law and Ethics</td>
<td>3</td>
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<tr>
<td>MCOM 498</td>
<td>Internship</td>
<td>3-6</td>
</tr>
<tr>
<td>MCOM 499</td>
<td>Broadcast Seminar</td>
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</tr>
<tr>
<td>MCOM 499</td>
<td>Broadcast Seminar</td>
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</table>

Subtotal: 120

Communication Studies, Minor

Curriculum

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 349</td>
<td>Mass Media</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
<td>2</td>
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<tr>
<td>ART 100</td>
<td>Art Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Natural Sciences and Mathematics - A</td>
<td>3</td>
</tr>
<tr>
<td>ART 101</td>
<td>Introduction to Media Arts</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social &amp; Behavioral Sciences A</td>
<td>3</td>
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</tbody>
</table>
JOUR 351  Journalism I  3
MCOM 250  Introduction to Broadcasting  3
MCOM 347  Mass Communication Theory and Research  3
MCOM 353  Radio Production  3
MCOM 355  Television Production  3
MCOM 450  Media Law and Ethics  3
Subtotal: 21

English, Minor

Curriculum

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 299</td>
<td>Introduction to English Studies</td>
<td>3</td>
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<tr>
<td>ENGL 303</td>
<td>Literary Criticism</td>
<td>3</td>
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</table>

Select twelve credit hours from any 300 or 400 level ENGL prefix course.

Subtotal: 18

Spanish, Minor

A grade of "C" or higher is required in each course.

Curriculum

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 102</td>
<td>Elementary Spanish</td>
<td>3</td>
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<tr>
<td>SPAN 201</td>
<td>Intermediate Spanish</td>
<td>3</td>
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<tr>
<td>SPAN 202</td>
<td>Intermediate Spanish</td>
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**Minor Electives**

Select nine hours from the list below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPAN 303</td>
<td>Spanish Composition</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 304</td>
<td>Spanish Conversation</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 401</td>
<td>Survey of Spanish Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 402</td>
<td>Survey of Latino Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 309</td>
<td>Caribbean Literature</td>
<td>3</td>
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</tbody>
</table>

Subtotal: 18

*DEPARTMENT OF SOCIAL SCIENCES*

Mission Statement of the Department of Social Sciences is to prepare students for careers and professions in Criminal Justice, History, Homeland Security and Interdisciplinary Studies by providing training in theory, research, critical thinking, and combining local and global perspectives. The Department provides students with knowledge and skills critical for success in the emerging global information society of the 21st Century.

Goals of the Department of Social Sciences

- to provide students the opportunities to develop skills in critical thinking, critical reading, writing, and analysis;
- to provide students with learning experience through coursework, internships, educational activities, discipline related technology, and community service.

**Distance Education Programs**

Elizabeth City State University (ECSU) provides options for students with associate degrees from North Carolina Community Colleges to earn the BS degree in Criminal Justice through distance education programming. ECSU offer these programs via video conferencing, online, and hybrid formats with future plans of incorporating on-site, face-to-face classes at partnering community colleges.

**Statement on Plagiarism and Academic Dishonesty within the Department of Social and Behavioral Sciences**

All of the Academic Programs in the Department of Social Sciences require formal writing projects. Students are required to produce and submit their original work in all classes. Each of the Programs has developed a procedure to address plagiarism that compliments the University Policy on plagiarism.

**DEFINITION:** Plagiarism, or academic dishonesty, is the act of taking credit for work done by another. It includes the following actions:

- "cutting and pasting" material found on the Internet, that is, taking chunks of content off of a Web page with citation;
- using material prepared by others, such as papers and assignments, and handing them in as if they were the student's own;
- taking direct quotations from any source - not just printed - without putting the words cited between quotation marks (" ") and providing citations; and rephrasing materials from another source and then failing to mention the source in a footnote/endnote and/or a "works cited" page.

Sources and included books, any content on a website, articles from magazines or journals, television or radio programming, oral interviews,
lectures, written projects or any material illustrated on poster boards. In other words, if you use any content created by another, you must acknowledge the sources. Academic dishonesty also includes cheating on examinations, quizzes, or any in-class assignment. Cheating is defined by the instructor.

Criminal Justice Degree Program

MISSION

The mission of the Criminal Justice program is to offer a quality academic program conducive to the learning experiences of students. Central to achieving this mission is an interdisciplinary program of study that prepares graduates for careers in criminal justice or to continue their education through advanced academic degrees. The mission will be accomplished in a stimulating academic environment that values diversity and fosters respect among students, faculty, and staff. The Criminal Justice Program’s mission will complement the overall mission of the Department of Social and Behavioral Sciences and Elizabeth City State University.

Goals of the Criminal Justice Program

• to provide opportunities to enhance students’ verbal, written, and technological skills to function effectively as future criminal justice professionals;
• to provide students with the knowledge and skills that will enable them to critically investigate issues regarding crime and justice; and
• to develop competent individuals capable of independent and effective decision-making in criminal justice organizations.

Only credit from institutions that are accredited by their regional higher education accrediting body is accepted for transfer into an undergraduate criminal justice program. No academic credit is awarded or accepted for transfer credit to the criminal justice major by the criminal justice program for life experience or for military, police academy, or other professional training. The Criminal Justice program requires students to repeat a core criminal justice course if at least six years have elapsed since initial enrollment in a course. ECSU awards degrees only to those students who have earned at least 50 percent of the credit hours in the Criminal Justice program through instruction offered by ECSU.

Interdisciplinary Pre-Law

Students planning to enter law school should be aware of the recommendations of the Association of American Law Schools which describes the basic skills and insights it believes are fundamental to the later attainment of legal competence: (a) comprehensive ability and expression in words, (b) critical understanding of human institutions and values with which the law deals, and (c) creative power in thinking. Although no single course of instruction is prescribed by the American Bar Association, pre-law students (in consultation with the pre-law advisors) are urged to follow the designed pre-law curriculum. This program will facilitate the student’s ability to think clearly, concisely, independently, and persuasively.

Criminal Justice, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Core Requirements (52 hours)

1. Core Courses (34)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 201</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 203</td>
<td>Criminal Justice Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CJ 204</td>
<td>Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CJ 206</td>
<td>Police in American Society</td>
<td>3</td>
</tr>
<tr>
<td>CJ 311</td>
<td>Advanced Criminal Law and Jurisprudence</td>
<td>3</td>
</tr>
<tr>
<td>CJ 316</td>
<td>Research Methods in Criminal Justice and Lab</td>
<td>4</td>
</tr>
<tr>
<td>CJ 391</td>
<td>Criminological Theory</td>
<td>3</td>
</tr>
<tr>
<td>CJ 392</td>
<td>Statistics in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 400</td>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>CJ 492</td>
<td>Public Policy in Criminal Justice</td>
<td>3</td>
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<tr>
<td>CJ 489</td>
<td>Senior Seminar in Criminal Justice</td>
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</table>

2. Core Electives (18 hours)

Select 18 credit hours from the courses below.

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<tbody>
<tr>
<td>CJ 208</td>
<td>Substance Abuse</td>
<td>3</td>
</tr>
<tr>
<td>CJ 210</td>
<td>Juvenile Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJ 211</td>
<td>Diversity in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 212</td>
<td>Women and the Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJ 217</td>
<td>Victimology</td>
<td>3</td>
</tr>
<tr>
<td>CJ 310</td>
<td>American Constitution Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 312</td>
<td>Criminal Evidence</td>
<td>3</td>
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<td>CJ 314</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>CJ 381</td>
<td>Crime Myths and Moral Panic</td>
<td>3</td>
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<tr>
<td>CJ 410</td>
<td>Prosecution and the Courts</td>
<td>3</td>
</tr>
<tr>
<td>CJ 495</td>
<td>Special Topics</td>
<td>3</td>
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<tr>
<td>CJ 496</td>
<td>Comparative Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 498</td>
<td>Directed Study in Criminal Justice</td>
<td>3</td>
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<tr>
<td>CJ 499</td>
<td>Criminal Justice Internship</td>
<td>6</td>
</tr>
</tbody>
</table>

C. Related Courses (12 hours)

(Related area courses may not be used to satisfy General Education Requirements)
Select 12 semester hours from the following:

- BUAD 190 Management Information Systems I, 3
- COM 200 Interpersonal Communication, 3
- ENGL 317 Advanced Composition, 3
- HIST 251 African American History since 1877, 3
- HMLS 215 Introduction to Homeland Security, 3
- SOC 207 Race and Ethnic Relations, 3
- SOC 305 Sociology of the African-American, 3
- SOC 330 Sociology of Deviant Behavior, 3
- POLS 298 American National Government, 3
- SPAN 101 Elementary Spanish, 3
  or
- SPAN 102 Elementary Spanish, 3

D. Free Electives (21 hours)
Subtotal: 120

Curriculum Guide for Majors in Criminal Justice

Freshman Year
First Semester
- UNIV 110 Freshman Seminar I, 1
- ENGL 102 Composition I, 3
  Natural Sciences and Mathematics - A, 3
  Social & Behavioral Sciences A, 3
- HLTH 185 Health Concepts, 2
  Humanities & Fine Arts (A) 2, 3
Subtotal: 15

Second Semester
- UNIV 120 Freshman Seminar II, 1
- ENGL 103 Composition II, 3
  Physical Education Activity, 1
  Social & Behavioral Sciences (B) 1, 3
  Natural Sciences and Mathematics - B, 4
  Free Elective 1, 3
Subtotal: 15

Sophomore Year
First Semester
- Social & Behavioral Sciences (B) 2, 3
- CJ 203 Criminal Justice Ethics, 3
- CJ 201 Introduction to Criminal Justice, 3
  Free Elective 2, 1
Subtotal: 15

Second Semester
- Related Area 1, 3
- CJ 204 Corrections, 3
- CJ 206 Police in American Society, 3
- CJ 392 Statistics in Criminal Justice, 3
  or
- SOC 346 Social Statistics, 3
  Related Area 2, 3
Subtotal: 15

Junior Year
First Semester
- Related Area 3, 3

CJ 311 Advanced Criminal Law and Jurisprudence, 3
  Core Elective 1, 4

CJ 316 Research Methods in Criminal Justice and Lab, 4
  Core Elective 2, 3
Subtotal: 15

Second Semester
- Related Area 4, 3
- Core Elective 3, 3
- CJ 391 Criminological Theory, 3
- CJ 400 Juvenile Delinquency, 3
- Core Elective 4, 3 Subtotal: 15

Senior Year
First Semester
- Free Elective 3, 3
- CJ 492 Public Policy in Criminal Justice, 3
  Free Elective 4, 3
  Free Elective 5, 3
  Core Elective 5, 3 Subtotal: 15

Second Semester
- Core Elective 6, 3
- CJ 489 Senior Seminar in Criminal Justice, 3
  Free Elective 6, 3
  Free Elective 7, 3
  Free Elective 8, 3 Subtotal: 15
Subtotal: 120

Homeland Security Degree Program

MISSION

ECSU's homeland security program focuses on the real-world application of national security and criminology principles. The curriculum is designed to provide graduates with knowledge and skills such areas as:

- Security, Surveillance and Investigations
- Homeland Security Operations
- Legal Issues in Homeland Security

Homeland Security, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Core Requirements (48 hours)

1. Core Courses (33 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHS 110</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HMLS 215</td>
<td>Introduction to Homeland Security</td>
<td>3</td>
</tr>
<tr>
<td>HMLS 222</td>
<td>Ethical and Legal Issues in Homeland Security</td>
<td>3</td>
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</table>

2. Core Electives (3 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMLS 230</td>
<td>Border and Immigration Control</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
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<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
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</tr>
<tr>
<td>HMLS 310</td>
<td>Research, Writing and Communication in Homeland Security</td>
<td>3</td>
</tr>
<tr>
<td>HMLS 325</td>
<td>Critical Infrastructure Protection</td>
<td>3</td>
</tr>
<tr>
<td>HMLS 360</td>
<td>Introduction to Intelligence Analysis</td>
<td>3</td>
</tr>
<tr>
<td>HMLS 391</td>
<td>Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>CJ 492</td>
<td>Public Policy in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>HMLS 480</td>
<td>National Security and Globalization</td>
<td>3</td>
</tr>
<tr>
<td>HMLS 490</td>
<td>Senior Seminar in Homeland Security</td>
<td>3</td>
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<tr>
<td>HMLS 480</td>
<td>National Security and Globalization</td>
<td>3</td>
</tr>
<tr>
<td>HMLS 490</td>
<td>Senior Seminar in Homeland Security</td>
<td>3</td>
</tr>
</tbody>
</table>

2. Core Electives (15 hours)

Select 15 credit hours from the courses below:
- CJ 201 Introduction to Criminal Justice
- EM 200 Introduction to Emergency Management
- EM 298 Social Dimensions of Disasters
- EM 315 Weapons of Mass Destruction
- GEOG 221 Cartographic Principles
- PHS 210 Community Health, Safety, and Disease
- CJ 381 Crime Myths and Moral Panic
- CJ 391 Criminological Theory
- HMLS 385 Special Topics in Security Concerns
- HMLS 350 Conflict Negotiation and Resolution
- HMLS 499 Internship
- CJ 496 Comparative Criminal Justice

C. Related Area Requirements (15 hours)

Select 15 credit hours from the courses below:
- BMIS 425 IT and Cyber Security Management
- CJ 217 Victimology
- COM 201 Intercultural Communication
- EM 240 Disaster Command and Control Principles of ICS & NIMS
- EM 382 Emergency Planning
- EM 495 EM Leadership & Policy Management
- GEOG 201 World Geography
- GEO 360 Principles of Geographic Information System (GIS)
- HIST 200 Introduction to History
- HIST 322 Digital History Project Seminar
- HIST 358 United States and the World, 1919-present
- HIST 473 Africa and the Making of the Modern World
- HIST 475 History of the Islamic World
- PHS 310 Environmental Health and Sanitation
- PHS 410 Terrorism, Disasters, and Epidemics

D. Free Electives (22 hours)

Subtotal: 120
History

MISSION OF THE HISTORY DEGREE PROGRAM

The History program is designed to provide students with a broad liberal arts education by creating an environment for students to develop academic skills in understanding American culture and history as well as those of other societies across the globe. The History program is committed to preparing thoughtful citizens and productive members of a global society by embracing both broad and "deep" content knowledge, pedagogical innovation, and the use of technology. The program is organized to prepare students for advanced study in history and law as well as careers in education, public history, government, research and other professions that require History's flexible skills set.

GOALS OF THE HISTORY PROGRAM:
1. provide general studies courses for the General Education curriculum;
2. provide core courses leading to the B.A. Degree in History; prepare students for career opportunities and graduate studies in the fields of history, political science, public administration, public history, global studies, geography, law, and teaching in public and private schools through a minor in Secondary Education (Social Studies).

History - Concentration in Digital & Public History, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (39 hours)

1. Core Courses (21 hours)

2. Core Electives (18 hours)

Select 2 courses from the courses listed below:

HIST 331 Prophets, Priests, and Radicals in the Atlantic World
HIST 351 Colonial North America and the Atlantic World, 1492-1800
HIST 352 Conflict, Reconstruction, and Imperialism, 1800-1919
HIST 358 United States and the World, 1919-present
HIST 483 History of ECSU and Black Education
HIST 494 African-American History Special Topics
HIST 495 US History Special Topics

Select 2 courses from the list below

HIST 332 Global Religion
HIST 361 Cold War: A Global History
HIST 465 China, East Asia, and the World
HIST 475 History of the Islamic World
HIST 382 Black Women's History
HIST 497 World History Special Topics
HIST 373 Black Freedom Struggles
HIST 481 Global Women’s History

Select 2 courses from the courses listed below

HIST 331 Prophets, Priests, and Radicals in the Atlantic World
HIST 473 Africa and the Making of the Modern World
HIST 494 African-American History Special Topics
HIST 373 Black Freedom Struggles
HIST 498 African History Special Topics
HIST 372 The Black Atlantic
HIST 371 Apartheid and Freedom in South Africa
HIST 382 Black Women's History
HIST 475 History of the Islamic World

C. Related Area Requirements (0 hours)

D. Concentration Requirements (18 hours)

1. Concentration Core (6 hours)

HIST 256 American History Since 1877
HIST 376 African-American Experience in North Carolina
HIST 397 Historical Methods and Historiography
HIST 499 History Seminar

or

HIST 256 American History Since 1877
HIST 376 African-American Experience in North Carolina
HIST 397 Historical Methods and Historiography
HIST 499 History Seminar
2. Concentration Electives (12 hours)

Select 12 hours from the courses listed below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ART 100</td>
<td>Art Foundations</td>
<td>3</td>
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<tr>
<td>ART 101</td>
<td>Introduction to Media Arts</td>
<td>3</td>
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<td>ART 345</td>
<td>Film Theory and Production</td>
<td>3</td>
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<tr>
<td>CSC 114</td>
<td>Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>CSC 115</td>
<td>Programming I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 322</td>
<td>Digital History Project Seminar</td>
<td>3</td>
</tr>
<tr>
<td>HIST 490</td>
<td>Internship in History</td>
<td>(3)</td>
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</tbody>
</table>

E. Free Electives (28 hours)

You must receive a “C” or better in the following courses: HIST 200 Introduction to History, HIST 397 Historical Methods and Historiography, and HIST 499 History Seminar

Subtotal: 120

Curriculum Guide for Majors in History (D&P History Concentration)

### Freshman Year

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
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<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 114</td>
<td>Math for Liberal Arts</td>
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<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
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<td></td>
<td>Social &amp; Behavioral Sciences A</td>
<td>3</td>
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<td></td>
<td>Humanities &amp; Fine Arts (A)</td>
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**Second Semester**

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<thead>
<tr>
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<tr>
<td>ENGL 103</td>
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<td>UNIV 120</td>
<td>Freshman Seminar II</td>
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<td>Social &amp; Behavioral Sciences (B)</td>
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<td></td>
<td>Humanities &amp; Fine Arts B</td>
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<td></td>
<td>Social &amp; Behavioral Sciences A</td>
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</tr>
<tr>
<td>HIST 250</td>
<td>African American History to 1877</td>
<td>3</td>
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<td>HIST 255</td>
<td>American History to 1877</td>
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### Sophomore Year

**First Semester**

<table>
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<tr>
<td></td>
<td>Social &amp; Behavioral Sciences (B)</td>
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<tr>
<td></td>
<td>Natural Sciences and Mathematics - B</td>
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<tr>
<td>HIST 200</td>
<td>Introduction to History</td>
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<tr>
<td></td>
<td>Humanities &amp; Fine Arts (A)</td>
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<tr>
<td></td>
<td>Free Elective I</td>
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**Second Semester**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HIST 251</td>
<td>African American History since 1877</td>
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<td></td>
<td>OR</td>
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</tr>
<tr>
<td>HIST 256</td>
<td>American History Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 300</td>
<td>300-400 level US History</td>
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<tr>
<td>HIST 300</td>
<td>300-400 level History of African Diaspora</td>
<td>3</td>
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<tr>
<td>HIST 376</td>
<td>African-American Experience in North Carolina</td>
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<td></td>
<td>Physical Education Activity</td>
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<td>Free Elective 2</td>
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### Junior Year

**First Semester**

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<tr>
<td>HIST</td>
<td>300-400 level US History</td>
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<tr>
<td>HIST</td>
<td>300-400 level Global History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 320</td>
<td>Introduction to Digital &amp; Public History</td>
<td>3</td>
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<tr>
<td></td>
<td>Free Elective 3</td>
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**Second Semester**

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<tr>
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<tbody>
<tr>
<td>HIST 397</td>
<td>Historical Methods and Historiography</td>
<td>3</td>
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<tr>
<td>HIST 300</td>
<td>300-400 level History of African Diaspora</td>
<td>3</td>
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<tr>
<td>HIST 321</td>
<td>Archives, Museums, and Digitization...</td>
<td>3</td>
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<td></td>
<td>Free Elective 4</td>
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<td>Free Elective 5</td>
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### Senior Year

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HIST 499</td>
<td>History Seminar</td>
<td>3</td>
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<tr>
<td>HIST 300</td>
<td>300-400 level Global History</td>
<td>3</td>
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<tr>
<td>HIST 300</td>
<td>Concentration Elective 2</td>
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<td></td>
<td>Free Elective 6</td>
<td>3</td>
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<td>Free Elective 7</td>
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**Second Semester**

<table>
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<tr>
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<td></td>
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<tr>
<td></td>
<td>Free Elective 8</td>
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<td>Free Elective 9</td>
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<tr>
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<td>Free Elective 10</td>
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Subtotal: 120

Total Credit Hours: 120

### History - Concentration in Race, Gender, and Ethnicity Studies, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (39 hours)

1. Core Courses (21 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 140</td>
<td>History of World Civilization, Prehistoric to 1500</td>
<td>3</td>
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<tr>
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<td>OR</td>
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<tr>
<td>HIST 141</td>
<td>History of World Civilization, 1500 to the Present</td>
<td>3</td>
</tr>
<tr>
<td>HIST 200</td>
<td>Introduction to History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 250</td>
<td>African American History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 255</td>
<td>American History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 251</td>
<td>African American History since 1877</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>or</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 15
### 1. Concentration Core (6 hours)
- HIST 256 American History Since 1877 3
- HIST 376 African-American Experience in North Carolina 3
- HIST 397 Historical Methods and Historiography 3
- HIST 499 History Seminar 3

### D. Concentration Requirements (18 hours)
Select 2 courses from the list below:
- HIST 331 Prophets, Priests, and Radicals in the Atlantic World 3
- HIST 351 Colonial North America and the Atlantic World, 1492-1800 3
- HIST 352 Conflict, Reconstruction, and Imperialism, 1800-1919 3
- HIST 358 United States and the World, 1919-present 3
- HIST 483 History of ECSU and Black Education 3
- HIST 494 African-American History Special Topics 3
- HIST 495 US History Special Topics 3

Select 2 courses from the courses listed below:
- HIST 383 Ancient and Medieval Worlds 3
- HIST 384 The Birth of Modern Europe, 1350-1789 3
- HIST 385 Revolution and Empire in Nineteenth Century Europe 3
- HIST 386 War of the Worlds: Europe in the Twentieth Century 3
- HIST 496 European History Special Topics 3
- HIST 332 Global Religion 3
- HIST 361 Cold War: A Global History 3
- HIST 382 Black Women's History 3
- HIST 465 China, East Asia, and the World 3
- HIST 475 History of the Islamic World 3
- HIST 497 World History Special Topics 3
- HIST 373 Black Freedom Struggles 3
- HIST 481 Global Women’s History 3

Select 2 courses from the list below:
- HIST 331 Prophets, Priests, and Radicals in the Atlantic World 3
- HIST 473 Africa and the Making of the Modern World 3
- HIST 494 African-American History Special Topics 3
- HIST 373 Black Freedom Struggles 3
- HIST 498 African History Special Topics 3
- HIST 493 Women’s and Gender History Special Topics 3

### C. Related Area Requirements (0 hours)

### 2. Core Electives (18 hours)
Select 2 courses from the courses listed below:
- HIST 331 Prophets, Priests, and Radicals in the Atlantic World 3
- HIST 351 Colonial North America and the Atlantic World, 1492-1800 3
- HIST 352 Conflict, Reconstruction, and Imperialism, 1800-1919 3
- HIST 358 United States and the World, 1919-present 3
- HIST 483 History of ECSU and Black Education 3
- HIST 494 African-American History Special Topics 3
- HIST 495 US History Special Topics 3

Select 2 courses from the courses listed below:
- HIST 383 Ancient and Medieval Worlds 3
- HIST 384 The Birth of Modern Europe, 1350-1789 3
- HIST 385 Revolution and Empire in Nineteenth Century Europe 3
- HIST 386 War of the Worlds: Europe in the Twentieth Century 3
- HIST 496 European History Special Topics 3
- HIST 332 Global Religion 3
- HIST 361 Cold War: A Global History 3
- HIST 382 Black Women’s History 3
- HIST 465 China, East Asia, and the World 3
- HIST 475 History of the Islamic World 3
- HIST 497 World History Special Topics 3
- HIST 373 Black Freedom Struggles 3
- HIST 481 Global Women’s History 3

Select 2 courses from the list below:
- HIST 331 Prophets, Priests, and Radicals in the Atlantic World 3
- HIST 473 Africa and the Making of the Modern World 3
- HIST 494 African-American History Special Topics 3
- HIST 373 Black Freedom Struggles 3
- HIST 498 African History Special Topics 3
- HIST 493 Women’s and Gender History Special Topics 3

### 2. Concentration Electives (11-12 hours)
Select 11-12 hours from the courses listed below:
- HIST 473 Africa and the Making of the Modern World 3
- HIST 475 History of the Islamic World 3
- HIST 382 Black Women's History 3
- HIST 331 Prophets, Priests, and Radicals in the Atlantic World 3
- HIST 352 Conflict, Reconstruction, and Imperialism, 1800-1919 3
- HIST 371 Apartheid and Freedom in South Africa 3
- HIST 498 African History Special Topics 3
- HIST 493 Women’s and Gender History Special Topics OR
- SOC 297 Social Research Methods 3
- SOC 305 Sociology of the African-American 3
- SOWK 395 Women and Religion 3
- ARTH 315 African American Art 3
- MUS 212 The African American in Music 2
- ENGL 458 African American Literature 3
- HIST 372 The Black Atlantic 3
- HIST 373 Black Freedom Struggles 3
- HIST 481 Global Women’s History 3
- SOC 325 Sociology of Race and Crime 3
- POLS 402 Politics and Problems of Contemporary Africa 3
- CJ 211 Diversity in Criminal Justice 3
- CJ 212 Women and the Criminal Justice System 3

### E. Free Electives (28-29 hours)
You must receive a “C” or better in the following courses: HIST 200 Introduction to History, HIST 397 Historical Methods and Historiography, and HIST 499 History Seminar

Subtotal: 120

Curriculum Guide for Majors in History (RGE Studies Concentration)

### Freshman Year

#### First Semester
- ENGL 102 Composition I 3
- UNIV 110 Freshman Seminar I 1
- MATH 114 Math for Liberal Arts 3
- HLTH 185 Health Concepts 2
- OR
- SOCI 201 African American History Special 3

Subtotal: 15

#### Second Semester
- ENGL 103 Composition II 3
- UNIV 120 Freshman Seminar II 1
- SOC 201 Social & Behavioral Sciences (B) 1 3
- HIST 301 Prehistoric to 1500 3
- or
- OR
- HIST 140 History of World Civilization, 3
- OR
- or
- or
### Sophomore Year
#### First Semester
- Social & Behavioral Sciences (B) 2
- Natural Sciences and Mathematics - B
- HIST 200: Introduction to History 3
- ENGL 201: World Literature I 3
- Free Elective 2 2

Subtotal: 16

#### Second Semester
- HIST 251: African American History since 1877 3
- or HIST 256: American History Since 1877 3
- HIST: 300-400 level US History 3
- HIST: 300-400 level History of African Diaspora 3
- HIST 376: African-American Experience in North Carolina 3
- Physical Education Activity 1
- Free Elective 2 2

Subtotal: 15

### Junior Year
#### First Semester
- HIST: 300-400 level US History 3
- HIST: 300-400 level Global History 3
- Concentration Elective 1 3
- Free Elective 3 3
- Free Elective 4 3

Subtotal: 15

#### Second Semester
- HIST 397: Historical Methods and Historiography 3
- HIST: 300-400 level History of African Diaspora 3
- or HIST 372: The Black Atlantic 3
- HIST 475: History of the Islamic World 3
- Free Elective 5 3
- Free Elective 6 3

Subtotal: 15

### Senior Year
#### First Semester
- HIST 499: History Seminar 3
- HIST 373: Black Freedom Struggles OR
- HIST 473: Africa and the Making of the Modern World
- HIST: 300-400 level Global History 3
- Concentration Elective 2 3
- Free Elective 7 3

Subtotal: 15

#### Second Semester
- Concentration Elective 3 3

### Secondary Education Minor Courses for History

### Curriculum

#### Minor Secondary Education Minor (27 hours)
- EDUC 210: Professional Studies I: Introduction to Education 3
- SPED 310: Introduction to Special and Diverse Learners 3
- EDUC 350: Teaching Intermediate & Content Reading 3
- EDUC 430A: Secondary Instructional Methods (9-12) Social Studies/History 3
- EDUC 360: Teaching and Assessment 3
- EDUC 466: Observation and Supervised Teaching in Social Studies 12
- EDUC 495: Seminar in Contemporary Educational Issues 3

Subtotal: 27

### Interdisciplinary Studies Degree Program

The mission of the Interdisciplinary Studies program is for students to develop coherent and rigorous academic programs that address broad or complex questions by integrating multiple intellectual traditions, epistemologies, and disciplinary approaches.

### Interdisciplinary Studies - Concentration in Community Services, B.A.

#### Curriculum

**A. General Education Requirements (35 hours)**

**B. Major Requirements (30 hours)**

1. **INDS Core (6 hours)**
   - IND 300: Introduction to Interdisciplinary Studies 3
   - IND 400: Capstone in Interdisciplinary Studies 3

2. **Intensive Writing (3 hours)**
   - Select 3 credits from the courses below.
   - ENGL 316: Introduction to Rhetoric and Composition 3
   - ENGL 317: Advanced Composition 3
   - ENGL 399: Introduction to Creative Writing 3
   - ENGL 401: Technical Writing 3
3. Information Literacy (3 hours)
Select 3 credits from the courses below.

- CSC 111 Introduction to Computer Applications 3
- CSC 114 Introduction to Computer Science 3
- CSC 115 Programming I 3
- EDUC 203 Introduction to Computer Instructional Technology 3
- BUAD 190 Management Information Systems I 3
- ART 101 Introduction to Media Arts 3

4. Liberal Arts (18 hours)
Select 18 credit hours in 200-level courses from the following disciplines in at least three different disciplines: ART, ARTH, BIO, CHEM, COM, DGM, ENGL, FL, FREN, ECON, GEOG, GLBS, HIST, MATH, MCOM, MUS, PHIL, PSY, REL, SPAN, SOC, SPCH.

C. Free Electives (28 hours)
D. Concentration Requirements (27 hours)
Complete 27 credit hours in this concentration with the following criteria:

1. EDUC 210
2. 24 credit hours from the following disciplines: EDUC*, BKED*, ELEM*, SPED*, CJ, HLTH, PHS, PHSC, PSY, SOWK, SOC, PE, KIN, EM.
3. Complete at least 12 credit hours in a single discipline ("first discipline"). UNLESS 12 applicable credits were earned in a previous program of study, student must use eligible first discipline (*).
4. At least 21 credits must be at the 300- or 400-level.
Subtotal: 120

Interdisciplinary Studies - Concentration in Global Studies, B.A.

Curriculum
A. General Education Requirements (35 hours)
B. Major Requirements (30 hours)
1. INDS Core (6 hours)
   - IND 300 Introduction to Interdisciplinary Studies 3
   - IND 400 Capstone in Interdisciplinary Studies 3

2. Intensive Writing (3 hours)
Select 3 credits from the courses below.

- ENGL 316 Introduction to Rhetoric and Composition 3
- ENGL 317 Advanced Composition 3
- ENGL 399 Introduction to Creative Writing 3
- ENGL 401 Technical Writing 3

3. Information Literacy (3 hours)
Select 3 credits from the courses below.

- CSC 111 Introduction to Computer Applications 3
- CSC 114 Introduction to Computer Science 3
- CSC 115 Programming I 3
- EDUC 203 Introduction to Computer Instructional Technology 3
- BUAD 190 Management Information Systems I 3
- ART 101 Introduction to Media Arts 3

4. Liberal Arts (18 hours)
Select 18 credit hours in 200-level courses from the following disciplines in at least three different disciplines: ART, ARTH, BIO, CHEM, COM, DGM, ENGL, FL, ECON, GEOG, GLBS, HIST, MATH, MUS, PHIL, PSY, REL, SPAN, SOC, SPCH.

C. Free Electives (28 hours)
D. Concentration Requirements (27 hours)
Complete 27 credit hours in this concentration with the following criteria:

1. GLBS 200
2. 24 credit hours from the following disciplines: HIST*, POLS, ENGL*, SOC, GLBS, ART, ARTH, MUS, GEOG, ECON.
3. Complete at least 12 credit hours in a single discipline ("first discipline"). UNLESS 12 applicable credits were earned in a previous program of study, student must use eligible first discipline (*).
4. At least 21 credits must be at the 300- or 400-level.
Subtotal: 120

Interdisciplinary Studies - Concentration in Security Studies, B.A.

Curriculum
A. General Education Requirements (35 hours)
B. Major Requirements (30 hours)
1. INDS Core (6 hours)
   - IND 300 Introduction to Interdisciplinary Studies 3
   - IND 400 Capstone in Interdisciplinary Studies 3

2. Intensive Writing (3 hours)
Select 3 credits from the courses below.

- ENGL 316 Introduction to Rhetoric and Composition 3
- ENGL 317 Advanced Composition 3
- ENGL 399 Introduction to Creative Writing 3
- ENGL 401 Technical Writing 3
3. Information Literacy (3 hours)

Select 3 credits from the courses below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CSC 111</td>
<td>Introduction to Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CSC 114</td>
<td>Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>CSC 115</td>
<td>Programming I</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 203</td>
<td>Introduction to Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 190</td>
<td>Management Information Systems I</td>
<td>3</td>
</tr>
<tr>
<td>ART 101</td>
<td>Introduction to Media Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

4. Liberal Arts (18 hours)

Select 18 credit hours in 200-level courses from the following disciplines in at least three different disciplines: ART, ARTH, BIO, CHEM, COM, DGM, ENGL, FL, ECON, GEOG, GLBS, HIST, MATH, MUS, PHIL, PSY, REL, SPAN, SOC, SPCH.

C. Free Electives (28 hours)

D. Concentration Requirements (27 hours)

Complete 27 credit hours in this concentration with the following criteria:

1. CJ 201
2. 24 credit hours from the following disciplines: CJ*, HMLS*, EM, SOC.
3. Complete at least 12 credit hours in a single discipline ("first discipline"). UNLESS 12 applicable credits were earned in a previous program of study, student must use eligible first discipline (*).
4. At least 21 credits must be at the 300- or 400-level.

Subtotal: 120

Interdisciplinary Studies - Concentration in Individualized, B.A.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (30 hours)

1. INDS Core (6 hours)
   - INDS 300 Introduction to Interdisciplinary Studies 3
   - INDS 400 Capstone in Interdisciplinary Studies 3

2. Intensive Writing (3 hours)
   - ENGL 316 Introduction to Rhetoric and Composition 3
   - ENGL 317 Advanced Composition 3
   - ENGL 399 Introduction to Creative Writing 3
   - ENGL 401 Technical Writing 3

3. Information Literacy (3 hours)
   Select 3 credits from the courses below.

CSC 111 Introduction to Computer Applications 3
CSC 114 Introduction to Computer Science 3
CSC 115 Programming I 3
EDUC 203 Introduction to Instructional Technology 3
BUAD 190 Management Information Systems I 3
ART 101 Introduction to Media Arts 3

4. Liberal Arts (18 hours)

Select 18 credit hours in 200-level courses from the following disciplines in at least three different disciplines: ART, ARTH, BIO, CHEM, COM, DGM, ENGL, FL, ECON, GEOG, GLBS, HIST, MATH, MUS, PHIL, PSY, REL, SPAN, SOC, SPCH.

C. Free Electives (28 hours)

D. Concentration Requirements (27 hours)

Complete 27 credit hours in this concentration with the following criteria:

1. At least 21 credits must be at the 300- or 400-level.
2. Concentration proposal rationale must be approved by program coordinator and department chair.
3. Up to 18 credit hours can be used from the following disciplines: ACCT, BFIN, BMIS, BUAD, MRKT, MNGT.

Subtotal: 120

Curriculum for Interdisciplinary Studies

Curriculum Guide for Majors in Interdisciplinary Studies

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
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<tr>
<td>ENGL 102</td>
<td>Composition I</td>
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<td>HLTH 185</td>
<td>Health Concepts</td>
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<tr>
<td>Social &amp; Behavioral Sciences A</td>
<td>3</td>
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</tr>
<tr>
<td>Humanities &amp; Fine Arts B</td>
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Second Semester

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<td>Freshman Seminar II</td>
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<tr>
<td>ENGL 103</td>
<td>Composition II</td>
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<tr>
<td>Social &amp; Behavioral Sciences (B) I</td>
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<tr>
<td>Humanities &amp; Fine Arts B</td>
<td>2</td>
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<tr>
<td>Humanities &amp; Fine Arts (A) I</td>
<td>3</td>
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<tr>
<td>Information Literacy Course</td>
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Sophomore Year

First Semester

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Social &amp; Behavioral Sciences (B) II</td>
<td>3</td>
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<tr>
<td>Natural Sciences and Mathematics - B</td>
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<td>Semester</td>
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<td>Course Title</td>
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<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core Elective</td>
<td>HIST 372</td>
<td>The Black Atlantic</td>
</tr>
<tr>
<td>Core Elective</td>
<td>HIST 373</td>
<td>Black Freedom Struggles</td>
</tr>
<tr>
<td>Core Elective</td>
<td>HIST 371</td>
<td>Apartheid and Freedom in South Africa</td>
</tr>
<tr>
<td>Concentration Elective</td>
<td>HIST 475</td>
<td>History of the Islamic World</td>
</tr>
<tr>
<td>Concentration Elective</td>
<td>HIST 382</td>
<td>Black Women's History</td>
</tr>
<tr>
<td>Free Elective</td>
<td>HIST 494</td>
<td>African-American History Special Topics</td>
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<tr>
<td>Physical Education Activity</td>
<td>HIST 498</td>
<td>African History Special Topics</td>
</tr>
<tr>
<td></td>
<td>SOC 207</td>
<td>Race and Ethnic Relations</td>
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<tr>
<td></td>
<td>SOC 305</td>
<td>Sociology of the African-American</td>
</tr>
<tr>
<td></td>
<td>ARTH 315</td>
<td>African American Art</td>
</tr>
<tr>
<td></td>
<td>MUS 212</td>
<td>The African American in Music</td>
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**Junior Year**

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<th>Semester</th>
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<th>Credits</th>
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<td></td>
</tr>
<tr>
<td>Core Elective</td>
<td>HIST 372</td>
<td>The Black Atlantic</td>
<td>3</td>
</tr>
<tr>
<td>Core Elective</td>
<td>HIST 373</td>
<td>Black Freedom Struggles</td>
<td>3</td>
</tr>
<tr>
<td>Core Elective</td>
<td>HIST 371</td>
<td>Apartheid and Freedom in South Africa</td>
<td>3</td>
</tr>
<tr>
<td>Concentration Elective</td>
<td>HIST 475</td>
<td>History of the Islamic World</td>
<td>3</td>
</tr>
<tr>
<td>Concentration Elective</td>
<td>HIST 382</td>
<td>Black Women's History</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
<td>HIST 494</td>
<td>African-American History Special Topics</td>
<td>3</td>
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<td>Free Elective</td>
<td>HIST 498</td>
<td>African History Special Topics</td>
<td>3</td>
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<td>SOC 207</td>
<td>Race and Ethnic Relations</td>
<td>3</td>
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<tr>
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<td>SOC 305</td>
<td>Sociology of the African-American</td>
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<td>African American Art</td>
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<tr>
<td></td>
<td>MUS 212</td>
<td>The African American in Music</td>
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<tr>
<td><strong>Total: 18</strong></td>
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</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST 372</td>
<td>The Black Atlantic</td>
<td>3</td>
</tr>
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<td>Black Freedom Struggles</td>
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<tr>
<td>ARTH 315</td>
<td>African American Art</td>
<td>3</td>
</tr>
<tr>
<td>MUS 212</td>
<td>The African American in Music</td>
<td>2</td>
</tr>
</tbody>
</table>

**Subtotal: 120**

**Black/Africana Studies Minor**

**Curriculum**

**Required Courses (18 hours)**

<table>
<thead>
<tr>
<th>Minor Core Requirements (9 hours)</th>
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<tbody>
<tr>
<td>HIST 250</td>
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<tr>
<td>HIST 251</td>
</tr>
<tr>
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<tr>
<td>HIST 473</td>
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<tr>
<td></td>
</tr>
<tr>
<td>POLS 402</td>
</tr>
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<td></td>
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</tbody>
</table>

**Minor Core Electives (9 hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 458</td>
<td>African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>HIST 376</td>
<td>African-American Experience in North Carolina</td>
<td>3</td>
</tr>
<tr>
<td>HIST 331</td>
<td>Prophets, Priests, and Radicals in the Atlantic World</td>
<td>3</td>
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</table>

**Subtotal: 21**

**Criminal Justice, Minor**

**Curriculum**

**Required Courses (21 hours)**

<table>
<thead>
<tr>
<th>Minor Core Requirements (18 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 201</td>
</tr>
<tr>
<td>CJ 204</td>
</tr>
<tr>
<td>CJ 206</td>
</tr>
<tr>
<td>CJ 311</td>
</tr>
<tr>
<td>CJ 391</td>
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<td>CJ 410</td>
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**Minor Core Electives (3 hours)**

Select 1 course from the list below.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CJ 208</td>
<td>Substance Abuse</td>
</tr>
<tr>
<td>CJ 210</td>
<td>Juvenile Justice System</td>
</tr>
<tr>
<td>CJ 217</td>
<td>Victimology</td>
</tr>
<tr>
<td>CJ 312</td>
<td>Criminal Evidence</td>
</tr>
<tr>
<td>CJ 314</td>
<td>Criminal Procedure</td>
</tr>
<tr>
<td>CJ 381</td>
<td>Crime Myths and Moral Panic</td>
</tr>
<tr>
<td>CJ 400</td>
<td>Juvenile Delinquency</td>
</tr>
<tr>
<td>CJ 495</td>
<td>Special Topics</td>
</tr>
<tr>
<td>HMLS 215</td>
<td>Introduction to Homeland Security</td>
</tr>
</tbody>
</table>

**Subtotal: 21**

**History Minor**

**Curriculum**

**Required Courses (18 hours)**

<table>
<thead>
<tr>
<th>Minor Core Requirements (12 credits)</th>
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<tbody>
<tr>
<td>HIST 200</td>
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<tr>
<td>HIST 140</td>
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<tr>
<td>HIST 141</td>
</tr>
<tr>
<td>HIST 250</td>
</tr>
<tr>
<td>HIST 255</td>
</tr>
<tr>
<td>HIST 251</td>
</tr>
</tbody>
</table>

**Subtotal: 21**
HIST 256  American History Since 1877  3

**Minor Core Electives (6 hours)**

<table>
<thead>
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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HIST</td>
<td>History Elective (select from 300-400)</td>
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<tr>
<td>HIST</td>
<td>History Elective (select from 300-400)</td>
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</table>

Subtotal: 18

**Juvenile Justice, Minor**

Curriculum

**Required Courses (21 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 208</td>
<td>Substance Abuse</td>
<td>3</td>
</tr>
<tr>
<td>CJ 210</td>
<td>Juvenile Justice System</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 210</td>
<td>Fundamentals of Interviewing</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 220</td>
<td>Human Diversity</td>
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**Minor Core Electives (9 hours)**

Please select 9 credits from the courses below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CJ 217</td>
<td>Victimology</td>
<td>3</td>
</tr>
<tr>
<td>CJ 381</td>
<td>Crime Myths and Moral Panic</td>
<td>3</td>
</tr>
<tr>
<td>CJ 400</td>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>PSY 250</td>
<td>Developmental Psychology</td>
<td>3</td>
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<tr>
<td>SOWK 205</td>
<td>Introduction to Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 310</td>
<td>Advanced Interviewing and Intervention Skills</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 343</td>
<td>Social Work with Children</td>
<td>3</td>
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<tr>
<td>SOC 330</td>
<td>Sociology of Deviant Behavior</td>
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Subtotal: 21

**Pre-Law, Minor**

Curriculum

**Required Courses (21 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SPCH 200</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>COM 200</td>
<td>Interpersonal Communication</td>
<td>3</td>
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<tr>
<td>CJ 310</td>
<td>American Constitution Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 201</td>
<td>Introduction to Criminal Justice</td>
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**Minor Core Electives (9 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BUAD 241</td>
<td>Business Law</td>
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<tr>
<td>POLS 200</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>CJ 311</td>
<td>Advanced Criminal Law and Jurisprudence</td>
<td>3</td>
</tr>
<tr>
<td>CJ 312</td>
<td>Criminal Evidence</td>
<td>3</td>
</tr>
<tr>
<td>CJ 314</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 316</td>
<td>Argumentation and Debate</td>
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<tr>
<td>ENGL 401</td>
<td>Technical Writing</td>
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</table>

Subtotal: 21

**Sociology, Minor**

Curriculum

**Required Courses (18 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>SOC 201</td>
<td>Introduction to Sociology</td>
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**Minor Core Electives (3 credits)**

Please select 1 course from the list below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<td>Social Problems</td>
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<tr>
<td>SOC 385</td>
<td>Social Theory</td>
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<tr>
<td>SOC 412</td>
<td>Social Stratification</td>
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</tr>
<tr>
<td>SOC 490</td>
<td>Sociology of Globalization</td>
<td>3</td>
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</tbody>
</table>

Subtotal: 21

**DEPARTMENT OF MUSIC AND VISUAL ARTS**

The Department of Music and Visual Arts provides a challenging and supportive environment for all students engaged in artistic expression. A regional center for teaching excellence, intellectual stimulation, and cultural offerings, the Department offers programs that serve the greater community both on and off campus. While also supporting the University's general education core, the Department provides a well-rounded curriculum - one that enables its graduates to pursue advanced study and/or professional careers in the arts. The Department offers a Bachelor of Science degree in Graphic Design and a Bachelor of Arts degree in Music.

**Graphic Design, B. S.**

**MISSION STATEMENT**

The Graphic Design program seeks to provide a solid education to prepare students for opportunities in professional careers and/or graduate school. The department provides a baccalaureate-level sequence of study that leads to a Bachelor of Science in Graphic Design. Mirroring the mission of the university, the Graphic Design program also supports ECSU’s liberal arts program by providing a challenging and supportive environment for learning.

**GOALS**

1. The primary goal of the Graphic Design program is to provide students with the knowledge and skills necessary to pursue career opportunities or graduate study in graphic design.
2. In support of the University’s liberal arts program, the department seeks to provide engaging courses in art for students majoring in other fields of study.

3. In concert with the mission of the university to prepare our graduates for leadership roles in the community that will facilitate economic growth, we further seek to engage the community around us through active partnering in civic and entrepreneurial projects over the span of the four-year experience at ECSU.

4. As an extension of the outreach of ECSU, the program also endeavors to provide enriching experiences in the visual arts for Elizabeth City State University students, faculty, and citizens of the Albemarle region at large.

**OBJECTIVES**

The objectives are as follows:

1. to provide graphic design students with a comprehensive education that establishes a solid foundation in graphic design, art history, and art theory, as well as opportunities to exhibit their work and otherwise engage the community at large.

2. to serve students who seek an overview of graphic design and art history as part of their general education.

3. to support the University’s community outreach initiatives by hosting a variety of art exhibitions, guest lecturers, and workshops.

4. to provide students with an atmosphere that supports the creative process by providing adequate facilities and equipment, theoretical and practical experience, individualized instruction, and thorough advisement.

**ADMISSION REQUIREMENTS**

All students seeking to major in graphic design must first gain admission to Elizabeth City State University by applying through the Office of Admissions.

**ACADEMIC EXPECTATIONS**

Students are required to compile a portfolio and participate in the annual portfolio review to determine if adequate progress is being made. All students are expected to proceed through the required sequence of courses and are required to achieve a grade of "C" or better in courses in all ART and ARTH courses.

**ANNUAL PORTFOLIO REVIEW**

Students seeking a B.S. in Graphic Design are required to submit a portfolio for review during the Spring semester of their freshman, sophomore and junior year in the program.

**SENIOR SHOW/PORTFOLIO**

Students seeking a B.S. in Graphic Design are required to mount a senior show and assemble a portfolio showcasing work that represents the student’s unique style and demonstrates overall artistic skills and abilities.

**STUDENT INTERNSHIPS**

The Graphic Design program has an active internship program that provides students with opportunities to work with local businesses and arts organizations.

**Curriculum**

A. General Education Core (35 hours)

B. Major Core Requirements (60 hours)

1. Core Courses (54 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 100</td>
<td>Art Foundations</td>
<td>3</td>
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<tr>
<td>ART 101</td>
<td>Introduction to Media Arts</td>
<td>3</td>
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<tr>
<td>ART 102</td>
<td>Drawing I</td>
<td>3</td>
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<tr>
<td>ART 103</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART 201</td>
<td>Visual Information Architecture</td>
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<tr>
<td>ART 202</td>
<td>Branding and Packaging Design</td>
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</tr>
<tr>
<td>ART 210</td>
<td>Typography I</td>
<td>3</td>
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<tr>
<td>ART 301</td>
<td>Interactive Design</td>
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</tr>
<tr>
<td>ART 302</td>
<td>Visual Systems</td>
<td>3</td>
</tr>
<tr>
<td>ART 310</td>
<td>Typography II</td>
<td>3</td>
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<td>ART 340</td>
<td>Photography I</td>
<td>3</td>
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<td>ART 400</td>
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<tr>
<td>ART 406</td>
<td>Internship in Art (A, G, M &amp; T)</td>
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</tr>
<tr>
<td>ART 409</td>
<td>Senior Show/Portfolio</td>
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</tr>
<tr>
<td>ART 498</td>
<td>Graphic Design Applied Theory</td>
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<tr>
<td>ARTH 217</td>
<td>History of Graphic Arts</td>
<td>3</td>
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</table>

2. Core Electives (6 hours)

Select 6 credit hours from the courses below.

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<tr>
<td>ART 220</td>
<td>Painting I</td>
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<tr>
<td>ART 221</td>
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<tr>
<td>ART 230</td>
<td>Sculpture I</td>
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<tr>
<td>ART 231</td>
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<td>3</td>
</tr>
<tr>
<td>ART 260</td>
<td>Printmaking I</td>
<td>3</td>
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<tr>
<td>ART 333</td>
<td>Imaging I</td>
<td>3</td>
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<tr>
<td>ART 345</td>
<td>Film Theory and Production</td>
<td>3</td>
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<tr>
<td>ART 350</td>
<td>Ceramics I</td>
<td>3</td>
</tr>
<tr>
<td>ART 351</td>
<td>Ceramics II</td>
<td>3</td>
</tr>
<tr>
<td>ART 367</td>
<td>Glass I</td>
<td>3</td>
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<tr>
<td>ART 380</td>
<td>3D Animation</td>
<td>3</td>
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<td>ART 485</td>
<td>Arts Management</td>
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<tr>
<td>ART 490</td>
<td>Fibers</td>
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**C. Related Area Courses (12 hours)**

<table>
<thead>
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<td>ARTH 317</td>
<td>Nineteenth-Century Art</td>
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<td>ARTH 318</td>
<td>Twentieth-Century Art</td>
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<tr>
<td>ARTH 416</td>
<td>Theory of Contemporary Art and Design</td>
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**E. Free Electives (13 hours)**

**Subtotal: 120**

Curriculum Guide for Major in Graphic Design

**Freshman Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
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<td>Social &amp; Behavioral Sciences A</td>
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**Subtotal: 15**

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
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<td>Introduction to Media Arts</td>
<td>3</td>
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<tr>
<td>ART 103</td>
<td>Drawing II</td>
<td>3</td>
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<tr>
<td>ENGL 103</td>
<td>Composition II</td>
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<tr>
<td>MATH 114</td>
<td>Math for Liberal Arts</td>
<td>3</td>
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<td>OR</td>
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<td></td>
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<tr>
<td>MATH 115</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>UNIV 120</td>
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**Subtotal: 16**

**Sophomore Year**

**First Semester**

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<tr>
<td>ART 201</td>
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<td>ENGL 201</td>
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<td>Natural Sciences and Mathematics - B</td>
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**Subtotal: 16**

**Second Semester**

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<td>ART 217</td>
<td>Social &amp; Behavioral Sciences (B)</td>
<td>3</td>
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<tr>
<td>ARTH 217</td>
<td>History of Graphic Arts</td>
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<td>Humanities &amp; Fine Arts (A)</td>
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**Subtotal: 15**

**Junior Year**

**First Semester**

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<tbody>
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<td>ART 301</td>
<td>Interactive Design</td>
<td>3</td>
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<tr>
<td>ART 340</td>
<td>Photography I</td>
<td>3</td>
</tr>
<tr>
<td>ART 310</td>
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<td>OR</td>
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<tr>
<td>ART 333</td>
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<td>3</td>
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<tr>
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<td>ART 416</td>
<td>Imaging I</td>
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**Subtotal: 16**

**Second Semester**

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<thead>
<tr>
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<td>ART 498</td>
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<tr>
<td>ART 406</td>
<td>Internship in Art (A, G, M &amp; T)</td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 341</td>
<td>Related Course</td>
<td>3</td>
</tr>
<tr>
<td>ART 416</td>
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<tr>
<td>ART 416</td>
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**Subtotal: 15**

**Senior Year**

**First Semester**

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<tr>
<td>ART 409</td>
<td>Senior Show/Portfolio</td>
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**Subtotal: 12**

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>ART 341</td>
<td>Photography II</td>
<td>3</td>
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<tr>
<td>ART 341</td>
<td>Related Course</td>
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</tr>
<tr>
<td>ART 380</td>
<td>3D Animation</td>
<td>3</td>
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</tbody>
</table>

**Subtotal: 18**

**Film and Animation Minor**

**Degree Requirements**

**Requirements List**

It is recommended that students who wish to take this minor consult with the art faculty to determine if they should take ART 101 Introduction to Media Arts or ART 102 Drawing I.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>Introduction to Media Arts</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 102</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 341</td>
<td>Photography II</td>
<td>3</td>
</tr>
<tr>
<td>ART 345</td>
<td>Film Theory and Production</td>
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<td>ART 380</td>
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</tr>
<tr>
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<td>Short Film Production</td>
<td>3</td>
</tr>
</tbody>
</table>

**Subtotal: 18**
Music
The Music program is fully accredited by the National Association of Schools of Music (NASM). In accordance with the mission of Elizabeth City State University, the music program strives to create an aesthetic and practical environment that is conducive to learning, and is committed to the delivery of a quality education to its diverse student body.

MISSION STATEMENT
The Music program provides students with opportunities that lead to a Bachelor of Arts degree in Music, placing music within a liberal arts context, or with optional concentrations in: Music Education Licensure, Composition, Performance, or Music Production. The Music program works to equip each student with the essential tools to become proficient in their area of concentration and to participate in a number of activities for cultural enrichment within Northeastern North Carolina.

GOALS
The goals of the program support the mission and goals of the institution:
1. To prepare students for professional careers in music and for graduate study.
2. To support the University's community outreach initiatives by providing performance opportunities and other enriched musical experiences, on-and-off campus.
3. To support the University’s Liberal Arts curriculum by offering music courses to enhance musicianship.
4. To increase each student's comprehensive knowledge and abilities by building a stronger foundation in music theory, aural skills, music history, applied and ensemble skills, music technology and awareness of diverse cultures.

OBJECTIVES
Students will be able to:
• Perform proficiently on a selected instrument of study and perform with an ensemble group(s).
• Obtain and apply comprehensive knowledge of music theory and essential aural skills in completing various classroom assignments.
• Obtain and apply comprehensive knowledge of music history representing various eras and styles in completing various classroom assignments.
• Complete a capstone project implementing a synthesis of music knowledge combined with critical thinking and creative skills.
• Utilize music technology to enhance learning.

MUSIC DEGREE PROGRAM WITH CONCENTRATIONS
B.A. in Music with a concentration in Composition or Performance:
This program provides students with experiences that are essential for graduate study and/or professional careers in the arts as performers, private instructors, and/or other arts-related vocations.

B.A. in Music (Music Education Licensure):
The program offers licensure preparation in music for grades K-12. It provides a foundation for students who seek to become teachers or pursue graduate study.

B.A. in Music with a concentration in Music Production:
The program provides a broad liberal arts education for students interested in producing multi-track recordings, operating small venue sound systems, and performing both classical and popular music.

ADMISSION REQUIREMENTS
All students seeking to major or minor in music must first gain admission to ECSU by applying through the Office of Admissions. Following admission to the University, prospective music majors must complete and pass an audition on the primary instrument and take the Music Theory Placement Exam (MTPE). The audition is used as a diagnostic tool by the Music Department faculty to determine the skill level of prospective students. Students who are not at the collegiate performance level may be accepted provisionally, then given two semesters to successfully complete an audition at the college level to be admitted into the program. Music students must earn a 2.0 G.P.A. in music classes by the end of the sophomore year to stay in the music program. Music students admitted into the Teacher Education Program must maintain the required G.P.A. designated by this program.
AUDITIONS

All prospective students must audition before being accepted into a program of study. Auditions occur before a panel of faculty. Each student must perform works from the standard repertoire for their voice/instrument and demonstrate a level of proficiency in music reading. Students who successfully pass their auditions are enrolled in applied lessons. 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 lessons or group piano classes by permission, if the applied instructor has availability. Priority for enrollment is given to Music majors. Students are required to purchase music and other accessories as needed for their instruction.

All students regardless of degree program may take classes authorized by the program.

ENSEMBLES

Ensembles contribute to the education of students, cultivate an overall understanding of music, and promote teamwork among students. They provide an understanding of environmental and cultural diversity through performances as they strengthen our community.

Students majoring in music, regardless of concentration, are required to participate in a large ensemble. Ensemble directors will address sight-reading and good performance practices. All ensemble classes are available to non-music majors; however, students must audition for acceptance into an ensemble. One semester of Marching Band satisfies one credit of the General Education Physical Activity requirement.

- Performing on their main instrument of study, wind instrumentalists and percussionists may choose between Marching Band, Wind Ensemble, Collegians Jazz Ensemble and Symphony Orchestra.
- Voice students must participate in one of the program's large choral groups. Voice students may participate in a small ensemble in which they gain experience with various singing styles and techniques.

- Piano students must enroll in an ensemble in which they perform mostly on the piano. Ensembles may include Choir, Orchestra, Jazz Ensemble, etc. Piano majors may also enroll in Piano Accompanying to satisfy this requirement.
- String students must enroll in the symphony orchestra. For an elective or small ensemble, string majors can enroll in Jazz Ensemble, etc.
- Guitar majors may enroll in the Collegians Jazz Ensemble to complete the large ensemble requirement.

Ensemble and applied music courses may be repeated for credit. Large ensembles include the University Choir, Marching Band, Collegians Jazz Ensemble, Symphonic Wind Ensemble, and Symphony Orchestra. Small ensembles include the Collegians Jazz Ensemble, Choral Ensemble, University Basketball Band, Brass Ensemble, Woodwind Ensemble, String Chamber Ensemble, and Percussion Ensemble. Pianists may choose to register for additional credits (beyond the minimum requirements) in Piano Accompanying.

PERFORMANCE LEVELS

All music students are required to advance through the established performance levels to show progress on an instrument of study. Students not meeting the required performance level by the end of the sophomore year will not be allowed to continue in the music program. The Music Student Handbook contains the suggested performance repertoire for each instrument and performance level.

PERFORMANCE REQUIREMENTS

Students with a concentration in Performance are required to perform a Junior Recital of 25-30 minutes of music. Students with a concentration in Performing or Music Education are required to perform a Senior Recital of approximately 45-50 minutes of music. Music majors without a concentration (general music) are required to perform either a Senior Recital of approximately 25-30 minutes of music or complete a senior project.

All music majors taking applied lessons must perform a solo work once each semester on a departmental
student recital and must also perform at the end of the semester for the jury assessment. The applied teacher will determine if additional performances are required during a given semester.

SENIOR PROJECTS

Students concentrating in Music Production are required to complete a Senior Project. The project is assessed by a committee of faculty members. Students concentrating in Composition are required to complete a capstone project that may entail a Senior Recital approximately 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 majors must pass six semesters of recital attendance with a grade of "P". The Department Chair will determine recital attendance credit for transfer students on a case-by-case basis.

PIANO PROFICIENCY

This is a diagnostic tool to determine aptitude in performance and sight-reading at the keyboard. Music majors will enroll in two class piano courses: MUS 110-MUS 111 and take the piano proficiency exam at the end of MUS 111. Music students who do not pass piano proficiency must enroll in MUS 112 and MUS 113. Students may retake the test to complete piano proficiency. Applied piano, pending availability, may substitute for class piano.

STUDENT INTERNSHIPS

Students who choose to apply for a music internship must work with their instructor in preparing and finalizing the necessary paperwork. Students seeking to participate in a long distance internship must gain written approval by the instructor and Department Chair.

TEACHER EDUCATION

Music Education licensure students must be formally admitted into the Teacher Education Program, following requirements listed on the Teacher Education website (http://tep.ecsu.edu/) and in the ECSU Catalog. Students will work with the music education instructor/coordinate and with teacher education personnel to ensure eligibility and successful continuance in the program.

STUDENT TEACHING

Music Education Licensure students must work with the University Music Supervisor and the Teacher Education Program for completion of duties and assignments.

SCHOLARSHIPS

For information regarding scholarships, please contact the Department Chair and the appropriate ensemble director (band, choir, jazz, and orchestra).

All prospective music graduates will be required to take the major field test in music.

All students majoring or minoring in music must earn a grade of "C" or better in all music classes.

General Music, B.A.

Curriculum

A. Required General Studies Courses - 35 Credits
   MUS 212 The African American in Music 2

B. Major Requirements - 37 Credits

Core Courses - 25 Credits
   MUS 103 Aural Skills I 1
   MUS 104 Aural Skills II 1
   MUS 108 Music Theory I: Introduction to Functional Harmony 2
   MUS 109 Music Theory II: Diatonic Harmony 2
   MUS 110 Piano Class for Beginners I 1
   MUS 111 Piano Class for Beginners II 1
   MUS 203 Aural Skills III 1
   MUS 204 Aural Skills IV 1
   MUS 208 Music Theory III: Chromatic Harmony 2
   MUS 209 Music Theory IV: Chromatic and Post-Tonal Music 2
   MUS 305 Music History I - Early through Classical 3
   MUS 306 Music History II - Classical to Contemporary 3
   MUS 307 A Study of Non-Western Music 1
   MUS 309 Form and Analysis 3
   MUS 400 Senior Recital/Project 1

Core Course II

Complete 6 semesters of Recital Attendance. This course can be repeated.
   MUS 101 Student Recitals 0
## Core Electives - 12 Credits

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### Large Ensembles - 6 Credits

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<td>0 or 1</td>
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<tr>
<td>MUS 260</td>
<td>Orchestra</td>
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<tr>
<td>MUS 300</td>
<td>University Choir</td>
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<tr>
<td>MUS 401</td>
<td>University Symphonic Wind Ensemble</td>
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### Small Ensemble - 1 Credit

<table>
<thead>
<tr>
<th>MUS 205</th>
<th>University Basketball Band</th>
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<tbody>
<tr>
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<tr>
<td>MUS 210</td>
<td>Brass Ensemble</td>
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<tr>
<td>0 or 1</td>
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<tr>
<td>MUS 220</td>
<td>Woodwind Ensemble</td>
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<tr>
<td>0 or 1</td>
<td></td>
</tr>
<tr>
<td>MUS 221</td>
<td>String Chamber Ensemble</td>
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<td>1</td>
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<tr>
<td>MUS 230</td>
<td>Percussion Ensemble</td>
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<tr>
<td>MUS 240</td>
<td>Collegians (Jazz Ensemble)</td>
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<td>MUS 310</td>
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<tr>
<td>MUS 429</td>
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</table>

### C. Related Courses - 9 Credits

| MUSA 311-394 | Applied Music |
| 1 or 2 |

### D. Concentration Requirements - 16 Credits

#### Concentration Core - 6 Credits

<table>
<thead>
<tr>
<th>MUS 123</th>
<th>Voice Class</th>
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<td>MUS 231</td>
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<tr>
<td>MUS 345</td>
<td>Brass Class</td>
</tr>
<tr>
<td>1</td>
<td></td>
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<tr>
<td>MUS 346</td>
<td>Woodwind Class</td>
</tr>
<tr>
<td>1</td>
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<td>MUS 347</td>
<td>Percussion Class</td>
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Applied voice students substitute MUS 126 for MUS 123.

### Concentration Electives - 10 Credits

Select 10 credit hours from courses that begin with the prefix MUS or MUSA.

### E. Free Electives - 23 Credits

Special note: Guitar may enroll in the Collegians Jazz Ensemble to complete the large ensemble requirement.

Special note: All students must earn a C or better in all courses listed in sections B and D above.

Subtotal: 120

### Curriculum Guide: B.A. in Music (General)

#### Freshman Year

**First Semester**

<table>
<thead>
<tr>
<th>MUS 101</th>
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<td>Aural Skills I</td>
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<tr>
<td>MUS 108</td>
<td>Music Theory I: Introduction to Functional Harmony</td>
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<td>MUS 110</td>
<td>Piano Class for Beginners I</td>
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<td>MUSA 311-394</td>
<td>Applied Music</td>
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<td>1 or 2</td>
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<td>ENGL 102</td>
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<td>- A</td>
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#### Second Semester

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<td>1 or 2</td>
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<td>MUS Ensemble (Small or Large)</td>
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<td>MUS</td>
<td>Music Elective</td>
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<td>MUS 347</td>
<td>Percussion Class</td>
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<tr>
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<td>Social &amp; Behavioral Sciences (B)</td>
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Subtotal: 15

#### Sophomore Year

**First Semester**

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<td>Music Theory III: Chromatic Harmony</td>
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<td>2</td>
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</tr>
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<td>MUSA 311-394</td>
<td>Applied Music</td>
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<tr>
<td>1 or 2</td>
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<td>MUS 212</td>
<td>The African American in Music</td>
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<tr>
<td>MUS</td>
<td>Music Electives</td>
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Subtotal: 16

#### Second Semester

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<td>MUS 209</td>
<td>Music Theory IV: Chromatic and Post-Tonal Music</td>
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<tr>
<td>MUSA 311-394</td>
<td>Applied Music</td>
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<tr>
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</tr>
<tr>
<td>MUS Ensemble (Small or Large)</td>
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<tr>
<td>MUS 309</td>
<td>Form and Analysis</td>
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Subtotal: 15

#### Junior Year

**First Semester**

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<td>Woodwind Class</td>
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<td>MUSA 311-394</td>
<td>Applied Music</td>
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<td>MUS 347</td>
<td>Percussion Class</td>
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<tr>
<td>MUS 351</td>
<td>Social &amp; Behavioral Sciences (B)</td>
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Subtotal: 16

#### Second Semester

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<td>Music History II - Classical</td>
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<tr>
<td>MUS 309</td>
<td>Form and Analysis</td>
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<tr>
<td>MUSA 311-394</td>
<td>Applied Music</td>
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<tr>
<td>1 or 2</td>
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</table>

Subtotal: 16
Music - Concentration in Composition, B.A.

Curriculum

A. Required General Studies Courses - 35 Credits
MUS 212 The African American in Music 2

B. Major Requirements - 37 Credits

Core Courses - 25 Credits
MUS 103 Aural Skills I 1
MUS 104 Aural Skills II 1
MUS 108 Music Theory I: Introduction to Functional Harmony 2
MUS 109 Music Theory II: Diatonic Harmony 2
MUS 110 Piano Class for Beginners I 1
MUS 111 Piano Class for Beginners II 1
MUS 203 Aural Skills III 1
MUS 204 Aural Skills IV 1
MUS 208 Music Theory III: Chromatic Harmony 2
MUS 209 Music Theory IV: Chromatic and Post-Tonal Music 2
MUS 305 Music History I - Early through Classical 3
MUS 306 Music History II - Classical to Contemporary 3
MUS 307 A Study of Non-Western Music 1
MUS 309 Form and Analysis 3
MUS 400 Senior Recital/Project 1

Core Course II
Complete 6 semesters of Recital Attendance. This course can be repeated.
MUS 101 Student Recitals 0

Core Electives - 12 Credits

Applied - 5 Credits
MUSA 311-394 Applied Music 1 or 2

Large Ensembles - 6 Credits
MUS 200 University Marching Band 0 or 1
MUS 201 University Concert Band 0 or 1
MUS 260 Orchestra 0-1
MUS 300 University Choir 0 or 1
MUS 401 University Symphonic Wind Ensemble 0 or 1

Small Ensemble - 1 Credit
MUS 205 University Basketball Band 0 or 1
MUS 210 Brass Ensemble 0 or 1
MUS 220 Woodwind Ensemble 0 or 1
MUS 221 String Chamber Ensemble 1
MUS 230 Percussion Ensemble 0 or 1
MUS 240 Collegians (Jazz Ensemble) 0 or 1
MUS 310 Choral Ensemble 0 or 1
MUS 429 Piano Accompanying 1

D. Concentration Requirements - 28 Credits

Concentration Core - 11 Credits
MUS 123 Voice Class 1
MUS 231 String Class 1
MUS 308 Tonal Counterpoint 3
MUS 312 Orchestration 2
MUS 345 Brass Class 1
MUS 346 Woodwind Class 1
MUS 347 Percussion Class 1

Concentration Core II - 10 Credits
Complete 10 credit hours of MUSA 365. MUSA 365 may be repeated.

Concentration Electives - 7 credits
Select 7 credits from courses that begin with the prefix MUS or MUSA.

E. Free Electives - 20 Credits

All music students must earn a "C" or better in all music classes.

If students are not enrolled in Marching Band, they must register for one P.E. class to meet the general studies requirement.

*Piano students may enroll in accompanying if offered.

Subtotal: 120

Curriculum Guide: B.A. in Music with Concentration in Composition

Freshman Year

First Semester
MUS 101 Student Recitals 0
MUS 103 Aural Skills I 1
MUS 108 Music Theory I: Introduction to Functional Harmony 2
MUS 110 Piano Class for Beginners I 1
### Junior Year

**First Semester**
- MUS 101: Student Recitals 0
- MUS 305: Music History I - Early through Classical 3
- MUS 307: A Study of Non-Western Music 1
- MUS 308: Tonal Counterpoint 3
- MUS 312: Orchestration 2
- MUS 346: Woodwind Class 1
- MUSA 365: Applied Composition 2
- MUS Ensemble (Small or Large) 1
- MUS: Music Electives 2
- MUS 123: Voice Class 1

**Second Semester**
- MUS 101: Student Recitals 0

### Sophomore Year

**First Semester**
- MUS 101: Student Recitals 0
- MUS 203: Aural Skills III 1
- MUS 208: Music Theory III: Chromatic Harmony 2
- MUS 212: The African American in Music 2
- MUSA 311-394: Applied Music 1 or 2
- MUS 365: Applied Composition 2
- MUS Ensemble (Small or Large) 1

**Second Semester**
- MUS 101: Student Recitals 0
- MUS 204: Aural Skills IV 1
- MUS 209: Music Theory IV: Chromatic and Post-Tonal Music 2
- MUSA 311-394: Applied Music 1 or 2
- MUS 365: Applied Composition 2
- MUS Ensemble (Small or Large) 1

### Junior Year

**First Semester**
- MUS 101: Student Recitals 0
- MUS 305: Music History I - Early through Classical 3
- MUS 307: A Study of Non-Western Music 1
- MUS 308: Tonal Counterpoint 3
- MUS 312: Orchestration 2
- MUS 346: Woodwind Class 1
- MUSA 365: Applied Composition 2
- MUS Ensemble (Small or Large) 1
- MUS: Music Electives 2
- MUS 123: Voice Class 1

**Second Semester**
- MUS 101: Student Recitals 0

### Senior Year

**First Semester**
- MUS 231: String Class 1
- MUS 365: Applied Composition 2
- MUS Ensemble (Small or Large) 1
- Free Elective 3 3
- Free Elective 4 3
- Free Elective 5 3

**Second Semester**
- MUS 231: String Class 1
- MUS 365: Applied Composition 2
- MUS: Music Electives 3
- Free Elective 3 3
- Free Elective 6 3
- Free Elective 7 3

Subtotal: 120

Special Note: Students must earn a grad of "C" or better in all courses listed under sections B and D, above.

Special Note: Students taking guitar as their primary applied instrument may enroll in MUS 240: Collegians Jazz Ensemble to complete the large ensemble requirement.

### Music Education Licensure, B.A.

**Instrumental Concentration**
- Piano Vocal Concentration

**Vocal Concentration**

**Curriculum**

**A. Required General Studies Courses - 35 Credits**
- MUS 212: The African American in Music 2

**B. Major Requirements - 37 Credits**

Piano majors must select two hours of applied voice in lieu of MUS 110 and MUS 111

**1. Core Courses - 25 Credits**
- MUS 103: Aural Skills I 1
- MUS 104: Aural Skills II 1
- MUS 108: Music Theory I: Introduction to Functional Harmony 2
- MUS 109: Music Theory II: Diatonic Harmony 2
<table>
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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<td>MUS 110</td>
<td>Piano Class for Beginners I</td>
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<td>MUS 111</td>
<td>Piano Class for Beginners II</td>
<td>1</td>
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<tr>
<td>MUS 203</td>
<td>Aural Skills III</td>
<td>1</td>
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<tr>
<td>MUS 204</td>
<td>Aural Skills IV</td>
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<td>MUS 208</td>
<td>Music Theory III: Chromatic Harmony</td>
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<td>Form and Analysis</td>
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<tr>
<td>MUS 400</td>
<td>Senior Recital/Project</td>
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</table>

**Core Course II**

Complete 6 semesters of Recital Attendance. This course can be repeated.

**2. Core Electives - 12 credits**

**Applied - 5 Credits**

Select 5 credits from the courses below. MUSA courses below may be repeated.

- MUSA 311-394 Applied Music 1 or 2
- Piano majors must select MUSA 311.
- Vocal majors must select MUSA 325.

**Large Ensembles - 6 Credits**

- MUS 200 University Marching Band 0 or 1
- MUS 201 University Concert Band 0 or 1
- MUS 260 Orchestra 0-1
- MUS 300 University Choir 0 or 1
- MUS 401 University Symphonic Wind Ensemble 0 or 1

**Small Ensemble - 1 Credit**

Select 1 credit from the courses listed below.

- MUS 205 University Basketball Band 0 or 1
- MUS 210 Brass Ensemble 0 or 1
- MUS 220 Woodwind Ensemble 0 or 1
- MUS 221 String Chamber Ensemble 1
- MUS 230 Percussion Ensemble 0 or 1
- MUS 240 Collegians (Jazz Ensemble) 0 or 1
- MUS 310 Choral Ensemble 0 or 1
- MUS 429 Piano Accompanying 1

**C. Related Required Courses - 4 Credits**

**Related Area Electives - 2 credits**

Select two hours of ensembles from the courses listed below.

- MUSA 311-394 Applied Music 1 or 2

**D. Concentration Requirements - 35 Credits**

**Concentration Core - 33 Credits**

- MUS 123 Voice Class 1
- MUS 126 Voice Diction 1
- MUS 430 Piano Pedagogy 1
- EDUC 210 Professional Studies I: Introduction to Education 3
- SPED 310 Introduction to Special and Diverse Learners 3
- EDUC 350 Teaching Intermediate & Content Reading 3
- EDUC 360 Teaching and Assessment 3
- EDUC 426 Music Methods in the Elementary School 2
- EDUC 427 Music Methods in the Secondary School 2
- EDUC 443 Observation and Supervised Teaching in Music 12
- EDUC 495 Seminar in Contemporary Educational Issues 3

**Concentration Elective II - 1 Credit**

- MUS 231 String Class 1
- or MUS 347 Percussion Class 1

All students must either take MUS 347 or MUS 231.

**Concentration Elective - 1 Credit**

- MUS 123 Voice Class 1
- or MUS 126 Voice Diction 1
- or MUS 430 Piano Pedagogy 1

Instrumental students must take MUS 123 instead of MUS 126 and MUS 430.
Voice students must take MUS 126 instead of MUS 123.
Piano students must take either MUS 123, MUS 126 or MUS 430.

**E. Free Electives - 9 Credits**

Special Note: Students must earn a grade of "C" or better in all courses listed under sections B and C, above.

Special Note: Students taking guitar as their primary applied instrument may enroll in MUS 240: Collegians Jazz Ensemble to complete the large ensemble requirement.

Subtotal: 120
### Curriculum Guide: B. A. in Music (Music Education Licensure) Instrumental

#### Freshman Year

**First Semester**

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<td>MUS 110</td>
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<td>MUS 120</td>
<td>Introduction to Music Education</td>
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<td>MUS Ensemble</td>
<td>(Small or Large)</td>
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<tr>
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**Second Semester**

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<td>Music Theory II: Diatonic Harmony</td>
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<td>MUS 111</td>
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<td>MUSA 311-394</td>
<td>Applied Music</td>
<td>1 or 2</td>
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<td>MUS Ensemble</td>
<td>(Small or Large)</td>
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#### Second Semester

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#### Sophomore Year

**First Semester**

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#### Junior Year

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**Subtotal:** 120

Instrumental students must register for MUS 446.

Vocal students must register for either MUS 446 or MUS 447.

Piano student may register for either MUS 446 or MUS 447.
## Freshman Year

### First Semester

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**Subtotal: 14**

### Second Semester

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**Subtotal: 14**

## Sophomore Year

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**Subtotal: 16**

### Second Semester

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**Subtotal: 15**

## Junior Year

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**Subtotal: 15**

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**Subtotal: 12**

## Senior Year

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**Subtotal: 12**

## Instrumental students must register for MUS 446.

Vocal students must register for MUS 447.

Piano student may register for either MUS 446 or MUS 447.
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### Academic Concentration in Music Curriculum

#### Required Courses

- MUS 101 - Student Recitals
- MUS 103 - Aural Skills I
- MUS 104 - Aural Skills II
- MUS 108 - Music Theory I: Introduction to Functional Harmony
- MUS 109 - Music Theory II: Diatonic Harmony
- MUS 300 - University Choir
- MUS 305 - Music History I - Early through Classical
### Music Licensure Only

#### Curriculum

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**MUS Piano Classes or Proficiency:** Students will be required to pass piano proficiency or take the piano class sequence consisting of four courses: MUS 110-MUS 113. Applied Piano may substitute for Class Piano.

**MUS 123:** Instrumental Only

**MUS 126:** Vocal Only

**SPECIFIC INFORMATION**

The Department Chair and/or music education coordinator will review prospective licensure-only students' transcripts. In addition, students will be required to complete a department assessment before being admitted into the Music Licensure-Only program. Based on the assessment, students will be advised to take specific courses as specified by program content need.

Twenty-four credit hours are required in the music content area. However, additional courses may be required pending the assessment of skills and content knowledge needed for teaching music. The Senior Recital is a requirement established by the music education licensure program. With the written approval of the applied teacher, applied lessons may be reduced with the completion of the Senior Recital.

Thirty education credit hours will be required for the professional education sequence of courses.

The Chair and/or music education coordinator may revise the music education licensure curriculum if deemed necessary by accreditation requirements and/or the Department of Education, Psychology and Health.

### Music - Concentration in Music Business, B.A.

#### Curriculum

**A. General Studies Courses - 35 Credits**

| MUS 212 | The African American in Music | 2 |

**B. Major Requirements - 37 Credits**

**Core Courses - 25 Credits**

| MUS 212 | The African American in Music | 2 |
| MUS 103 | Aural Skills I | 1 |
| MUS 104 | Aural Skills II | 1 |
**MUS 108** Music Theory I: Introduction to Functional Harmony 2
**MUS 109** Music Theory II: Diatonic Harmony 2
**MUS 110** Piano Class for Beginners I 1
**MUS 111** Piano Class for Beginners II 1
**MUS 203** Aural Skills III 1
**MUS 204** Aural Skills IV 1
**MUS 208** Music Theory III: Chromatic Harmony 2
**MUS 209** Music Theory IV: Chromatic and Post-Tonal Music 2
**MUS 305** Music History I - Early through Classical 3
**MUS 306** Music History II - Classical to Contemporary 3
**MUS 307** A Study of Non-Western Music 1
**MUS 309** Form and Analysis 3
**MUS 400** Senior Recital/Project 1

**Core Course II**
Complete 6 semesters of Recital Attendance. This course can be repeated.
**MUS 101** Student Recitals 0

**Core Electives - 12 Credits**
**Applied - 5 Credits**

**MUSA 311-394** Applied Music 1 or 2

**Large Ensembles - 6 Credits**

**MUS 200** University Marching Band 0 or 1
**MUS 201** University Concert Band 0 or 1
**MUS 260** Orchestra 0-1
**MUS 300** University Choir 0 or 1
**MUS 401** University Symphonic Wind Ensemble 0 or 1

**Small Ensemble - 1 Credit**

**MUS 205** University Basketball Band 0 or 1
**MUS 210** Brass Ensemble 0 or 1
**MUS 220** Woodwind Ensemble 0 or 1
**MUS 221** String Chamber Ensemble 1
**MUS 230** Percussion Ensemble 0 or 1
**MUS 240** Collegians (Jazz Ensemble) 0 or 1
**MUS 310** Choral Ensemble 0 or 1
**MUS 429** Piano Accompanying 1

**C. Related Required Courses - Select 6 hours from the courses listed below.**

**MNGT 221** Principles of Management 3
**MRKT 231** Principles of Marketing 3
**BUAD 115** Introduction to Business 3
**BUAD 241** Business Law 3
**ACCT 210** Financial Accounting 3

**D. Concentration Requirements - 25 Credits**

**Concentration Core - 18 Credits**

**MUS 115** Emerging Media in Audio 2
**MUS 116** Introduction to Music Industry Studies 3
**MUS 202** Arts Management 3
**MUS 319** Music Merchandising & Marketing 3
**MUS 417** Music Industry Internship 3
**MUS 331** Music Business Seminar 3

**Concentration Electives - Choose 7 credit hours from the list below.**

*Select 7 credit hours from courses that begin with the prefix MUS or MUSA.*

**E. Free Electives - 17 Credits**

Special Note: Guitar may enroll in the Collegians Jazz Ensemble to complete the large ensemble requirement.

Special Note: All students must earn a C or better in all courses listed under sections B and D above.

Subtotal: 120

**Curriculum Guide: B. A. in Music with Concentration in Music Business**

**Freshman Year**

**First Semester**

**MUS 101** Student Recitals 0
**MUS 103** Aural Skills I 1
**MUS 108** Music Theory I: Introduction to Functional Harmony 2
**ENGL 102** Composition I 3
**UNIV 110** Freshman Seminar I 1
**MUSA 311-394** Applied Music 1 or 2
**MUS Ensemble** (Small or Large) 1
**HLTH 185** Health Concepts 2
**Natural Sciences and Mathematics - A** 3

Subtotal: 15

**Second Semester**

**MUS 101** Student Recitals 0
**MUS 111** Piano Class for Beginners II 1
**MUS 104** Aural Skills II 1
**MUS 109** Music Theory II: Diatonic Harmony 2
**MUSA 311-394** Applied Music 1 or 2
**MUS Ensemble** (Small or Large) 1
**ENGL 103** Composition II 3
**Social & Behavioral Sciences A** 3
**Physical Education Activity** 1
**UNIV 120** Freshman Seminar II 1

Subtotal: 14

**Sophomore Year**

**First Semester**

**MUS 101** Student Recitals 0
**MUS 203** Aural Skills III 1
**MUS 208** Music Theory III: Chromatic Harmony 2
**MUSA 311-394** Applied Music 1 or 2
**MUS Ensemble** (Small or Large) 1
**Natural Sciences and Mathematics - B** 4
**ENGL 201** World Literature I 3
**Social & Behavioral Sciences (B)** 3

Subtotal: 15
### Second Semester

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**Subtotal: 15**

### Junior Year

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**Subtotal: 15**

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### Senior Year

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#### Second Semester

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**Subtotal: 15**

**Subtotal: 120**

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### Music - Concentration in Performance, B.A.

#### Curriculum

**A. Required General Studies Courses - 35 Credits**

- MUS 212 The African American in Music 2

**B. Major Requirements - 38 Credits**

**Core Courses - 25 Credits**

- MUS 103 Aural Skills I 1
- MUS 104 Aural Skills II 1
- MUS 108 Music Theory I: Introduction to Functional Harmony 2
- MUS 109 Music Theory II: Diatonic Harmony 2
- MUS 110 Piano Class for Beginners I 1
- MUS 111 Piano Class for Beginners II 1
- MUS 203 Aural Skills III 1
- MUS 204 Aural Skills IV 1
- MUS 208 Music Theory III: Chromatic Harmony 2
- MUS 209 Music Theory IV: Chromatic and Post-Tonal Music 2
- MUS 305 Music History I - Early through Classical 3
- MUS 306 Music History II - Classical to Contemporary 3
- MUS 307 A Study of Non-Western Music 1
- MUS 309 Form and Analysis 3
- MUS 400 Senior Recital/Project 1

**Core Course II**

Complete 6 semesters of Recital Attendance. This course can be repeated.

- MUS 101 Student Recitals 0

**Core Electives - 13 Credits**

**Applied - 6 Credits**

- MUSA 311-394 Applied Music (1 or 2)

**Large Ensembles - 6 Credits**

- MUS 200 University Marching Band 0 or 1
- MUS 201 University Concert Band 0 or 1
- MUS 260 Orchestra 0-1
- MUS 300 University Choir 0 or 1
- MUS 401 University Symphonic Wind Ensemble 0 or 1

**Small Ensemble - 1 Credit**

- MUS 205 University Basketball Band 0 or 1
- MUS 210 Brass Ensemble 0 or 1
- MUS 220 Woodwind Ensemble 0 or 1
- MUS 221 String Chamber Ensemble 1
- MUS 230 Percussion Ensemble 0 or 1
- MUS 240 Collegians (Jazz Ensemble) 0 or 1
- MUS 310 Choral Ensemble 0 or 1
- MUS 429 Piano Accompanying 1

**C. Related Required Courses - 9 Credit Hours**

Select 8 credit hours from the courses listed below.

- MUSA 311-394 Applied Music 1 or 2

Select 1 credit hour from the ensemble courses listed below.

- MUS 200 University Marching Band 0 or 1
MUS 201 | University Concert Band | 0 or 1
MUS 260 | Orchestra | 0-1
MUS 300 | University Choir | 0 or 1
MUS 401 | University Symphonic Wind Ensemble | 0 or 1

D. Concentration Requirements - 20 Credits

**Concentration Core - 14 Credits**

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**Concentration Electives - 6 Credits**

Select 6 credit hours from courses that begin with the prefix MUS or MUSA.

E. Free Electives - 18 Credits

Special Note: Students must register for the same applied music based on their area of study.

Special Note: Piano students with advisement may register for piano pedagogy.

Special Note: Performance majors must register for related course within their discipline/concentration for core electives.

Curriculum Guide: B. A. in Music with Concentration in Performance

**Freshman Year**

**First Semester**

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**Sophomore Year**

**First Semester**

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**Second Semester**

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**Junior Year**

**First Semester**

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<td>MUS 307</td>
<td>A Study of Non-Western Music</td>
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<td>MUS 319</td>
<td>Music Merchandising &amp; Marketing</td>
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**Second Semester**

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<td>MUS 301</td>
<td>Junior Recital</td>
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<td>MUS 306</td>
<td>Music History II - Classical to Contemporary Form and Analysis</td>
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<td>MUS 309</td>
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**Senior Year**

**First Semester**

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<td>Physical Education Activity</td>
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</table>
MUS 438  Special Topics in Music with Emphasis in Performance  1-2
MUS 336  Instrumental Techniques and Conducting  1
MUS Ensemble (Small or Large)  1
MUSA 311-394  Applied Music  1 or 2
Free Elective  3
Free Elective  3
Free Elective  1

Subtotal: 15

Second Semester
MUS 400  Senior Recital/Project  1
MUS Electives  3
MUS 337  Choral Techniques and Conducting  1
MUS 204  Music Electives  2

Subtotal: 14

All music students must earn a "C" or better. In lieu of vocal diction, student may opt to select MUS 125, MUS 231, MUS 357, MUS 345, MUS 346, MUS 347 or MUS 430.

Music students are encouraged to continue piano study via applied lessons.
Subtotal: 120

Music - Concentration in Sound Recording Technology, B.A.

Curriculum
A. General Studies Courses - 35 Credits
MUS 212  The African American in Music  2

B. Major Requirements - 37 Credits
Core Courses - 25 Credits
MUS 103  Aural Skills I  1
MUS 104  Aural Skills II  1
MUS 108  Music Theory I: Introduction to Functional Harmony  2
MUS 109  Music Theory II: Diatonic Harmony  2
MUS 110  Piano Class for Beginners I  1
MUS 111  Piano Class for Beginners II  1
MUS 203  Aural Skills III  1
MUS 204  Aural Skills IV  1
MUS 208  Music Theory III: Chromatic Harmony  2
MUS 209  Music Theory IV: Chromatic and Post-Tonal Music  2
MUS 305  Music History I - Early through Classical  3
MUS 306  Music History II - Classical to Contemporary  3
MUS 307  A Study of Non-Western Music  1
MUS 309  Form and Analysis  3
MUS 400  Senior Recital/Project  1

Core Course II
Complete 6 semesters of Recital Attendance. This course can be repeated.
MUS 101  Student Recitals  0

Core Electives - 12 Credits
Applied - 5 Credits
MUSA 311-394  Applied Music  1 or 2

Large Ensembles - 6 Credits
MUS 200  University Marching Band  0 or 1
MUS 201  University Concert Band  0 or 1
MUS 260  Orchestra  0-1
MUS 300  University Choir  0 or 1
MUS 401  University Symphonic Wind Ensemble  0 or 1

Small Ensemble - 1 Credit
MUS 205  University Basketball Band  0 or 1
MUS 210  Brass Ensemble  0 or 1
MUS 220  Woodwind Ensemble  0 or 1
MUS 221  String Chamber Ensemble  1
MUS 230  Percussion Ensemble  0 or 1
MUS 240  Collegians (Jazz Ensemble)  0 or 1
MUS 310  Choral Ensemble  0 or 1
MUS 429  Piano Accompanying  1

D. Concentration Requirements - 29 Credits
Concentration Core - 21 Credits
MUS 115  Emerging Media in Audio  2
MUS 116  Introduction to Music Industry Studies  3
MUS 125  Introduction to the Recording Studio  3
MUS 254  Audio Engineering I  2
MUS 255  Audio Engineering II  2
MUS 321  Music Multimedia Applications  2
MUS 360  Digital Audio Technology  2
MUS 417  Music Industry Internship  3
MUS 454  Studio Production Seminar  2

Concentration Elective I - 1 credit
Choose one ensemble from the list below.
MUS 205  University Basketball Band  0 or 1
MUS 210  Brass Ensemble  0 or 1
MUS 220  Woodwind Ensemble  0 or 1
MUS 221  String Chamber Ensemble  1
MUS 230  Percussion Ensemble  0 or 1
MUS 240  Collegians (Jazz Ensemble)  0 or 1
MUS 310  Choral Ensemble  0 or 1
MUS 429  Piano Accompanying  1

Concentration Electives II - 7 Credit Hours
Select 7 credits from courses that begin with the prefix MUS or MUSA.

E. Free Electives - 19 Credits

Special Note: Students must earn a grade of "C" or better in all courses listed under sections B and C, above.
Special Note: Students taking guitar as their primary applied instrument may enroll in MUS 240; Collegians Jazz Ensemble to complete the large ensemble requirement.

Subtotal: 120

Curriculum Guide: B. A. in Music with Concentration in Sound Recording Technology

**Freshman Year**

**First Semester**

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<td>MUS 103</td>
<td>Aural Skills I</td>
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<td>MUS 108</td>
<td>Music Theory I: Introduction to Functional Harmony</td>
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<td>MUS 110</td>
<td>Piano Class for Beginners I</td>
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<td>MUSA 311-394</td>
<td>Applied Music</td>
<td>1 or 2</td>
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<td>MUS Ensemble</td>
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<td>HLTH 185</td>
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Subtotal: 15

**Second Semester**

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<td>Piano Class for Beginners II</td>
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<td>MUSA 311-394</td>
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Subtotal: 15

**Sophomore Year**

**First Semester**

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Subtotal: 15

**Second Semester**

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<td>Applied Music</td>
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Subtotal: 15

**Junior Year**

**First Semester**

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**Second Semester**

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<td>Music History II - Classical to Contemporary</td>
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<td>MUS 125</td>
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**Senior Year**

**First Semester**

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Subtotal: 16

**Second Semester**

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Subtotal: 15

Students may register for three music electives in lieu of MUS 417 (Music Industry Studies).

Subtotal: 120
Music, Minor

Curriculum

Required Courses

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MUS 101: 2 semesters

Subtotal: 24
SCHOOL OF SCIENCE AVIATION HEALTH AND TECHNOLOGY

The School of Science, Aviation, Health and Technology houses the following departments:
• Department of Aviation and Emergency Management
• Department of Health and Human Studies
• Department of Mathematics, Computer Science and Engineering Technology
• Department of Natural Sciences

DEPARTMENT OF AVIATION AND EMERGENCY MANAGEMENT

The Department of Aviation and Emergency Management is an academic unit within Academic Affairs offering baccalaureate degree programs in Aviation Science, Emergency Management, and Unmanned Aircraft Systems. The mission of the Department of Aviation and Emergency Management is to provide students with educational and research opportunities in an extensive array of rewarding professional careers in aviation and emergency management by offering a rigorous curriculum to advance scholarship and promote excellence in emerging technologies. The Department of Aviation and Emergency Management offers degrees in:

Aviation Science with a Concentration in Avionics (p. 165)

The B. S. in Aviation Science with a concentration in Avionics will prepare students with knowledge to analyze, repair, and maintain the sophisticated communications, navigations, and cockpit instrument systems on today's technically advanced aircraft.

Aviation Science with a Concentration in Aviation Management (p. 164)

The B. S. in Aviation Science with a concentration in Aviation Management will prepare students for a variety of entry-level positions in the aviation industry, including airport management, airline management, general aviation management, and airline and general aviation operations.

Aviation Science with a Concentration in Flight Education (p. 166)

The B. S. in Aviation Science with a concentration in Flight Education will prepare students to become certified as commercial pilots, preparing them to serve as airline, corporate, or military pilots and/or professional aircrew.

Aviation Science with a Concentration in Professional Aeronautics (p. 169)

The B.S. in Aviation Science with a concentration in Professional Aeronautics prepare students to enter a variety of entry-level positions in the aviation industry and affords student flexibility by taking courses from air traffic control, aviation management, avionics, engineering technology, flight education, or unmanned aircraft systems.

Aviation Science with a Concentration in Unmanned Aircraft Systems (p. 169)

The B. S. in Aviation Science with a concentration in UAS prepares students to enter the workforce as professionals in the emerging field of unmanned aircraft systems where they can apply their knowledge and skills to many areas of societal need, i.e. agriculture, border security, public safety, infrastructure inspection, and many more.

The curriculum includes instruction in basic electricity and electronics; UA aircraft platforms and systems; sensor and data acquisition; flight controls; high-fidelity simulation, mission planning; and data processing.

B.S. in Unmanned Aircraft Systems (p. 169)

The B.S. in Unmanned Aircraft Systems program at ECSU provides students with knowledge of the aviation industry, national airspace, air traffic control, laws governing UAS operations, human factor issues, UAS business, data processing, flight controls,
civilians, and basic and advanced training in the core areas for the operation of unmanned aircraft as operators, pilots, and sensor/payload operators. The program is designed to prepare students for employment in entry-level positions as an operator or payload/sensor operator in a job utilizing UASs. The graduates will be well prepared to safely deploy this cutting-edge technology in rapidly evolving civilian applications.

In addition, the program curriculum is developed to assist incumbent workers with an associate degree or other college degrees to advance in their current positions by acquiring new skill sets in UAS increasing their productivity to the employer.

**AVIATION SCIENCE PROGRAM**

The Aviation Science Program is the only four-year collegiate aviation education program in the State of North Carolina. The mission of the Aviation Science Program is to provide quality aviation education to a diverse student body by offering specializations in areas relevant to the highly competitive aerospace/aviation industry. Students who select Aviation Science as a major will complete the technical, managerial, and aviation courses that are necessary to fulfill the critical aviation personnel needs of local and state governments, the national government, business, and the aviation and aerospace industries. Graduates of the program will receive the Bachelor of Science degree in Aviation Science with a concentration in Aviation Management, Avionics, Air Traffic Control, Flight Education, or Unmanned Aircraft Systems. Majors must earn a grade of "C" or better in each required Aviation Science course.

**Emergency Management**

The B.S. degree in Emergency Management (EM) will prepare students with knowledge and skills to mitigate, prepare for, prevent, respond and recover organizations and communities from emergencies and disasters in order to obtain a rewarding career working in a variety of venues including all levels of government, private sector and non-profits.

**OPPORTUNITIES FOR GRADUATES**

**Aviation Science**

In century following 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 industry have applied new techniques, technologies, and dedication to keep it ahead of any transportation competitors. All areas of aviation and aerospace are expanding and there continues to be a need for motivated individuals to fill these challenging positions with government and private industry. The areas of study offered by the Aviation Science Program are designed to educate and train students who want careers in these dynamic and rewarding industries.

The Aviation Science Program prepares students for a variety of positions including Airport Management, Air Traffic Control, Airline and Corporate Flight, Unmanned Aircraft Systems as operators and program managers, Avionics, Radar Technology, Flight Instruction, Aviation Policy, and Aviation Entrepreneurship.

**TRANSFER STUDENTS**

Transfer students from accredited universities, community colleges, and technical institutes may be admitted to the Department with advanced standing. Specific course requirements for these students will be made on an individual basis after their previously earned credits have been assessed.

**Aviation Science**

**Aviation Science Program**

(*Note: Students enrolled in flight courses will be assessed an additional flight lab fee (p. 170).*)

The Aviation Science Program is the only four-year collegiate aviation education program in the State of North Carolina. The mission of the Aviation Science Program is to provide quality aviation education to a diverse student body by offering specializations in areas relevant to the highly competitive aerospace/aviation industry. Students who select Aviation Science as a major will complete the technical, managerial, and aviation courses that are necessary to fulfill the critical aviation personnel needs of local and state governments, the national government, business, and the aviation and aerospace industries. Graduates of the program will receive the
Bachelor of Science degree in Aviation Science with a concentration in Aviation Management, Avionics, Flight Education, Unmanned Aircraft Systems, or Professional Aeronautics. Majors must earn a grade of "C" or better in each required Aviation Science course.

Aviation Science - Concentration in Aviation Management, B.S.

Curriculum

A. General Education courses (35 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 118</td>
<td>Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>MATH 165 Calculus of Single Variable I</td>
<td>4</td>
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</tbody>
</table>

B. Major Core Requirements (43 hours)

1. Core Courses (37 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVI 100</td>
<td>Introduction to Aviation</td>
<td>3</td>
</tr>
<tr>
<td>AVI 122</td>
<td>Orientation Seminar for Aviation Science</td>
<td>1</td>
</tr>
<tr>
<td>AVI 220</td>
<td>Air Transportation</td>
<td>3</td>
</tr>
<tr>
<td>AVI 230</td>
<td>Aviation Management</td>
<td>3</td>
</tr>
<tr>
<td>AVI 250</td>
<td>Basic Aerodynamics and Flight Physics</td>
<td>3</td>
</tr>
<tr>
<td>AVI 260</td>
<td>Aviation Human Factors and Safety</td>
<td>3</td>
</tr>
<tr>
<td>AVI 270</td>
<td>Air Traffic Control and the National Airspace System</td>
<td>3</td>
</tr>
<tr>
<td>AVI 314</td>
<td>Aviation Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>AVI 315</td>
<td>Aviation Legislation and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>AVI 370</td>
<td>Aviation Research Methods and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>AVI 411</td>
<td>Transition to the Aviation/Aerospace Industry</td>
<td>3</td>
</tr>
<tr>
<td>FLT 110</td>
<td>Private Pilot Ground</td>
<td>3</td>
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<tr>
<td>AVI 465</td>
<td>Aviation Capstone (Senior Project)</td>
<td>3</td>
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</tbody>
</table>

2. Core Electives (6 hours)

Select 6 credits from the subject areas below:

Any AVI 3 credit hour course
Any FLT 3 credit hour course
Any FLT 2 credit hour course
Any ATC 3 credit hour course
Any UAS 3 credit hour course
Any ENGT 3 credit hour course
Any ENGT 4 credit hour course

D. Concentration Requirements (30 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics II</td>
<td>3</td>
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<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>AVI 232</td>
<td>Safety Management Systems (SMS)</td>
<td>3</td>
</tr>
<tr>
<td>AVI 340</td>
<td>Corporate Flight Operations</td>
<td>3</td>
</tr>
<tr>
<td>AVI 345</td>
<td>Airline Operations and Management</td>
<td>3</td>
</tr>
<tr>
<td>AVI 415</td>
<td>Aviation Project Management</td>
<td>3</td>
</tr>
<tr>
<td>AVI 430</td>
<td>Airport Planning and Management</td>
<td>3</td>
</tr>
</tbody>
</table>

E. Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Aviation Science with a Concentration in Aviation Management

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVI 100</td>
<td>Introduction to Aviation</td>
<td>3</td>
</tr>
<tr>
<td>AVI 122</td>
<td>Orientation Seminar for Aviation Science</td>
<td>1</td>
</tr>
<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
<td>2</td>
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<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
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Second Semester

<table>
<thead>
<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
<td>1</td>
</tr>
<tr>
<td>AVI 220</td>
<td>Air Transportation</td>
<td>3</td>
</tr>
<tr>
<td>AVI 260</td>
<td>Aviation Human Factors and Safety Physical Education Activity</td>
<td>1</td>
</tr>
<tr>
<td>MATH 118</td>
<td>Precalculus</td>
<td>3</td>
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</table>

Sophomore Year

First Semester

<table>
<thead>
<tr>
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<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>AVI 230</td>
<td>Aviation Management</td>
<td>3</td>
</tr>
<tr>
<td>AVI 250</td>
<td>Principles of Economics II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
<td>3</td>
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</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 202</td>
<td>Principles of Economics II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
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</table>

Junior Year

First Semester

<table>
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<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>AVI 345</td>
<td>Airline Operations and Management</td>
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</tr>
<tr>
<td>AVI 250</td>
<td>Basic Aerodynamics and Flight Physics</td>
<td>3</td>
</tr>
<tr>
<td>AVI 232</td>
<td>Safety Management Systems (SMS)</td>
<td>3</td>
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</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVI 270</td>
<td>Air Traffic Control and the National Airspace System</td>
<td>3</td>
</tr>
<tr>
<td>AVI 315</td>
<td>Aviation Legislation and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>AVI 314</td>
<td>Aviation Meteorology</td>
<td>3</td>
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</table>
Senior Year

First Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AVI 370</td>
<td>Aviation Research Methods and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>AVI 430</td>
<td>Airport Planning and Management</td>
<td>3</td>
</tr>
<tr>
<td>FLT 110</td>
<td>Private Pilot Ground</td>
<td>3</td>
</tr>
<tr>
<td>AVI 411</td>
<td>Transition to the Aviation/Aerospace Industry</td>
<td>3</td>
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Subtotal: 15

Second Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>AVI 465</td>
<td>Aviation Capstone (Senior Project)</td>
<td>3</td>
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<tr>
<td>AVI 415</td>
<td>Aviation Project Management</td>
<td>3</td>
</tr>
<tr>
<td>AVI 340</td>
<td>Corporate Flight Operations</td>
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</tbody>
</table>

Subtotal: 15

Subtotal: 120

Aviation Science - Concentration in Avionics, B.S.

Curriculum

A. General Education courses (35 hours)

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<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
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B. Major Core Requirements (43 hours)

1. Core Courses (37 hours)

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<td>Introduction to Aviation</td>
<td>3</td>
</tr>
<tr>
<td>AVI 122</td>
<td>Orientation Seminar for Aviation Science</td>
<td>1</td>
</tr>
<tr>
<td>AVI 220</td>
<td>Air Transportation</td>
<td>3</td>
</tr>
<tr>
<td>AVI 230</td>
<td>Aviation Management</td>
<td>3</td>
</tr>
<tr>
<td>AVI 250</td>
<td>Basic Aerodynamics and Flight Physics</td>
<td>3</td>
</tr>
<tr>
<td>AVI 260</td>
<td>Aviation Human Factors and Safety</td>
<td>3</td>
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<td>3</td>
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<tr>
<td>AVI 314</td>
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<td>AVI 370</td>
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<tr>
<td>FLT 110</td>
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<tr>
<td>AVI 465</td>
<td>Aviation Capstone (Senior Project)</td>
<td>3</td>
</tr>
</tbody>
</table>

2. Core Electives (6 hours)

Select 6 credits from the subject areas below:

Any AVI 3 credit hour course
Any FLT 3 credit hour course
Any FLT 2 credit hour course
Any ATC 3 credit hour course
Any UAS 3 credit hour course

Any ENGT 3 credit hour course

Any ENGT 4 credit hour course

D. Concentration Requirements (30 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVNC 100</td>
<td>Basic Avionics</td>
<td>3</td>
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<tr>
<td>ENGT 101</td>
<td>Introduction to Engineering Technology</td>
<td>3</td>
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<tr>
<td>ENGT 105</td>
<td>Computer-Aided Drafting (CAD) I</td>
<td>3</td>
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<tr>
<td>AVNC 240</td>
<td>Flight Communication Systems</td>
<td>3</td>
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<tr>
<td>ENGT 340</td>
<td>Analog &amp; Digital Communications</td>
<td>3</td>
</tr>
<tr>
<td>AVNC 360</td>
<td>Advanced Avionics Systems</td>
<td>3</td>
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<tr>
<td>ENGT</td>
<td>Any ENGT 300 or above Electronics Course</td>
<td>3</td>
</tr>
<tr>
<td>AVNC 380</td>
<td>Aircraft or Flight Control Systems</td>
<td>3</td>
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<tr>
<td>ENGT 361</td>
<td>Control Systems</td>
<td>3</td>
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<tr>
<td>ENGT 207</td>
<td>Circuit Analysis with Lab</td>
<td>3</td>
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<tr>
<td>ENGT 207L</td>
<td>Circuit Analysis Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGT 235</td>
<td>Analog and Digital Circuits I</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 235L</td>
<td>Analog &amp; Digital Circuits I Lab</td>
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<td>ENGT 335</td>
<td>Analog and Digital Circuits II</td>
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<tr>
<td>ENGT 335L</td>
<td>Analog &amp; Digital Circuits II Lab</td>
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</table>

E. Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Aviation Science with a Concentration in Avionics

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AVI 100</td>
<td>Introduction to Aviation</td>
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</tr>
<tr>
<td>AVI 122</td>
<td>Orientation Seminar for Aviation Science</td>
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</tr>
<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
<td>2</td>
</tr>
<tr>
<td>ENGT 101</td>
<td>Introduction to Engineering Technology</td>
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</table>

Subtotal: 16

Second Semester

<table>
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<tbody>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
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<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
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<tr>
<td>AVI 220</td>
<td>Air Transportation</td>
<td>3</td>
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<tr>
<td>ENGT 105</td>
<td>Computer-Aided Drafting (CAD) I</td>
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Subtotal: 14

Sophomore Year

First Semester

<table>
<thead>
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<tbody>
<tr>
<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 201</td>
<td>World Literature I</td>
<td>3</td>
</tr>
<tr>
<td>AVI 230</td>
<td>Aviation Management</td>
<td>3</td>
</tr>
<tr>
<td>AVNC 100</td>
<td>Basic Avionics</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 105</td>
<td>Computer-Aided Drafting (CAD) I</td>
<td>3</td>
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</table>

Subtotal: 15

Second Semester

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ENGT</td>
<td>Any ENGT 300 or above Electronics Course</td>
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<tr>
<td>ENGT 361</td>
<td>Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 207</td>
<td>Circuit Analysis with Lab</td>
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</tr>
<tr>
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</tr>
<tr>
<td>ENGT 235</td>
<td>Analog and Digital Circuits I</td>
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<tr>
<td>ENGT 235L</td>
<td>Analog &amp; Digital Circuits I Lab</td>
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<td>ENGT 335</td>
<td>Analog and Digital Circuits II</td>
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<td>ENGT 335L</td>
<td>Analog &amp; Digital Circuits II Lab</td>
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<td>ENGT 361</td>
<td>Control Systems</td>
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<td>ENGT 335L</td>
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Curriculum Guide for Majors in Aviation Science with a Concentration in Avionics
Natural Sciences and Mathematics - B  4
AVNC 240 Flight Communication Systems  3
or
ENGT 340 Analog & Digital Communications  3
ENGT 207 Circuit Analysis with Lab  3
ENGT 207L Circuit Analysis Lab  1
AVI 260 Aviation Human Factors and Safety  3
Subtotal: 16

Junior Year
First Semester
AVI 250 Basic Aerodynamics and Flight Physics  3
AVNC 360 Advanced Avionics Systems  3
OR
ENGT 361 Control Systems  3
ENGT 235 Analog and Digital Circuits I  3
ENGT 235L Analog & Digital Circuits I Lab  1
Free Elective  3
Core Elective  3
Subtotal: 16

Second Semester
AVI 270 Air Traffic Control and the National Airspace System  3
AVI 315 Aviation Legislation and Ethics  3
ENGT 335 Analog and Digital Circuits II  3
ENGT 335L Analog & Digital Circuits II Lab  1
AVI 314 Aviation Meteorology  3
Humanities & Fine Arts (A)  2
Subtotal: 16

Senior Year
First Semester
AVI 370 Aviation Research Methods and Statistics  3
FLT 110 Private Pilot Ground  3
Free Elective  3
Core Elective  3
AVI 411 Transition to the Aviation/Aerospace Industry  3
Subtotal: 15

Second Semester
AVI 465 Aviation Capstone (Senior Project)  3
Free Elective  3
Free Elective  3
ENGT Any ENGT 300 or above Electronics Course  3
Subtotal: 12

Subtotal: 120

Aviation Science - Concentration in Flight Education, B.S.
(Flight Lab Fees) (p. 170)

Curriculum
A. General Education courses (35 hours)
MATH 118 Precalculus  3
OR
MATH 165 Calculus of Single Variable I  4

B. Major Core Requirements (40 hours)
1. Core Courses (37 hours)
AVI 100 Introduction to Aviation  3
AVI 122 Orientation Seminar for Aviation Science  1
AVI 220 Air Transportation  3
AVI 230 Aviation Management  3
AVI 250 Basic Aerodynamics and Flight Physics  3
AVI 260 Aviation Human Factors and Safety  3
AVI 270 Air Traffic Control and the National Airspace System  3
AVI 314 Aviation Meteorology  3
AVI 315 Aviation Legislation and Ethics  3
AVI 370 Aviation Research Methods and Statistics  3
AVI 411 Transition to the Aviation/Aerospace Industry  3
FLT 110 Private Pilot Ground  3
AVI 465 Aviation Capstone (Senior Project)  3

2. Core Electives (3 hours)
Select 3 credits from the subject areas below:
Any AVI 3 credit hour course
Any FLT 3 credit hour course
Any ATC 2 credit hour course
Any UAS 3 credit hour course
Any ENGT 3 credit hour course
Any EM 3 credit hour course

D. Concentration Requirements (34 hours)
AVI 275 Aircraft Systems I  3
AVI 375 Aircraft Systems II  3
AVI 350 Advanced Aerodynamics  3
AVI 420 Crew Resource Management  3
FLT 117L Private Pilot Flight Lab Part I  2
FLT 118L Private Pilot Flight Lab Part II  2
FLT 320 Instrument Ground  3
FLT 327L Instrument Flight Lab  3
FLT 330 Commercial Ground  3
FLT 338L Commercial Flight Lab Part I  3
FLT 339L Commercial Flight Lab Part II  3
FLT 346L Multi-Engine Ground/Flight Lab  3
or
FLT 426L Flight Instructor Ground/Flight Lab  3

E. Electives (11 hours)
Subtotal: 120

Curriculum Guide for Majors in Aviation Science with a Concentration in Flight Education

Freshman Year
First Semester
AVI 100 Introduction to Aviation  3
<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>AVI 122</td>
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<td>UNIV 110</td>
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<td>ENGL 102</td>
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<td>HLTH 185</td>
<td>Health Concepts</td>
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<td>FLT 117L</td>
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Subtotal: 15

### Second Semester

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<tr>
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<td>Freshman Seminar II</td>
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<td>AVI 220</td>
<td>Air Transportation</td>
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<tr>
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<td>FLT 118L</td>
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Subtotal: 15

### Sophomore Year

#### First Semester

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<td>MATH 165</td>
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<td>ENGL 201</td>
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<td>FLT 327L</td>
<td>Instrument Flight Lab</td>
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Subtotal: 15

#### Second Semester

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<td>Natural Sciences and Mathematics - B</td>
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<td>FLT 338L</td>
<td>Commercial Flight Lab Part I</td>
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<tr>
<td>AVI 260</td>
<td>Aviation Human Factors and Safety</td>
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Subtotal: 15

### Junior Year

#### First Semester

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<td>FLT 339L</td>
<td>Commercial Flight Lab Part II</td>
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<tr>
<td>AVI 250</td>
<td>Basic Aerodynamics and Flight Physics</td>
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<td>AVI 230</td>
<td>Aviation Management</td>
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Subtotal: 15

#### Second Semester

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<tr>
<td>AVI 270</td>
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<tr>
<td>AVI 315</td>
<td>Aviation Legislation and Ethics</td>
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<tr>
<td>Free Elective</td>
<td>2</td>
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<td>AVI 314</td>
<td>Aviation Meteorology</td>
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<td>AVI 375</td>
<td>Aircraft Systems II</td>
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Subtotal: 15

### Senior Year

#### First Semester

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<td>AVI 370</td>
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<td>AVI 350</td>
<td>Advanced Aerodynamics</td>
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<td>FLT 346L</td>
<td>Multi-Engine Ground/Flight Lab OR</td>
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<td>FLT 426L</td>
<td>Flight Instructor Ground/Flight Lab Core Elective</td>
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Subtotal: 15

#### Second Semester

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<th>Course Code</th>
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<tr>
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<tr>
<td>AVI 420</td>
<td>Crew Resource Management</td>
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<tr>
<td>AVI 411</td>
<td>Transition to the Aviation/Aerospace Industry</td>
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Subtotal: 14

Subtotal: 120

### Aviation Science - Concentration in Professional Aeronautics, B.S.

#### Curriculum

**A. General Education courses (35 hours)**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 118</td>
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</tr>
<tr>
<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
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**B. Major Core Requirements (43 hours)**

1. **Core Courses (37 hours)**

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
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<td>Introduction to Aviation</td>
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<tr>
<td>AVI 122</td>
<td>Orientation Seminar for Aviation Science</td>
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<tr>
<td>AVI 220</td>
<td>Air Transportation</td>
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<tr>
<td>AVI 230</td>
<td>Aviation Management</td>
<td>3</td>
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<tr>
<td>AVI 250</td>
<td>Basic Aerodynamics and Flight Physics</td>
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<tr>
<td>AVI 260</td>
<td>Aviation Human Factors and Safety</td>
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<td>AVI 270</td>
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<td>Aviation Meteorology</td>
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<td>Private Pilot Ground</td>
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<tr>
<td>AVI 465</td>
<td>Aviation Capstone (Senior Project)</td>
<td>3</td>
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</tbody>
</table>

2. **Core Electives (6 hours)**

Select 6 credits from the subject areas below:

- Any AVI 3 credit hour course
- Any FLT 3 credit hour course
- Any FLT 2 credit hour course
- Any ATC 3 credit hour course
- Any UAS 3 credit hour course
- Any ENGT 3 credit hour course
- Any ENGT 4 credit hour course
- Any EM 3 credit hour course
D. Concentration Requirements (30 hours)
Select 30 credits from the subject areas below:

Any AVI 3 credit hour course
Any FLT 3 credit hour course
Any FLT 2 credit hour course
Any ATC 3 credit hour course
Any UAS 3 credit hour course
Any ENGT 3 credit hour course
Any ENGT 4 credit hour course
Any HFLT 3 credit hour course
Any HFLT 2 credit hour course

Any AVNC 3 credit hour course
BUAD 115 Introduction to Business 3
BUAD 190 Management Information Systems I 3
MNGT 221 Principles of Management 3
ACCT 210 Financial Accounting 3
ENGT 101 Introduction to Engineering Technology 3
UAS 100 Unmanned Aircraft Systems 3
UAS 200 UAS and NAS: Laws and Regulations 3
UAS 250 UAS Sensors and Payloads 3
UAS 350L UAS Applications Lab I (Design and Construction) 3
UAS 400L UAS Applications Lab II (Precision Agriculture/Surveying) 3

E. Electives (12 hours)
Subtotal: 120

Curriculum Guide for Majors in Aviation Science with a Concentration in Professional Aeronautics

Freshman Year
First Semester
AVI 100 Introduction to Aviation 3
AVI 122 Orientation Seminar for Aviation Science 1
UNIV 110 Freshman Seminar I 1
ENGL 102 Composition I 3
HLTH 185 Health Concepts 2
Social & Behavioral Sciences A 3
Concentration Core Course 3
Subtotal: 16

Second Semester
ENGL 103 Composition II 3
UNIV 120 Freshman Seminar II 1
AVI 220 Air Transportation 3
AVI 260 Aviation Human Factors and Safety 3
Social & Behavioral Sciences (B) I 3
Physical Education Activity 1
Subtotal: 14

Sophomore Year
First Semester
MATH 118 Precalculus 3
OR
MATH 165 Calculus of Single Variable I 4
ENGL 201 World Literature I 3
AVI 230 Aviation Management 3
Concentration Core Course 3
Concentration Core Course 3
Subtotal: 15

Second Semester
Humanities & Fine Arts B 2
Social & Behavioral Sciences (B) II 3
Natural Sciences and Mathematics - B 4
Humanities & Fine Arts (A) 2 3
Concentration Core Course 3
Subtotal: 15

Junior Year
First Semester
AVI 250 Basic Aerodynamics and Flight Physics 3
Free Elective 3
Core Elective 3
Concentration Elective 3
Concentration Elective 3
Subtotal: 15

Second Semester
AVI 270 Air Traffic Control and the National Airspace System 3
AVI 315 Aviation Legislation and Ethics 3
Free Elective 3
AVI 314 Aviation Meteorology 3
Concentration Core Course 3
Subtotal: 15

Senior Year
First Semester
AVI 370 Aviation Research Methods and Statistics 3
Free Elective 3
Concentration Elective 3
Concentration Elective 3
AVI 411 Transition to the Aviation/Aerospace Industry 3
Subtotal: 15

Second Semester
AVI 465 Aviation Capstone (Senior Project) 3
Free Elective 3
Core Elective 3
FLT 110 Private Pilot Ground 3
Concentration Elective 3
Subtotal: 15

Subtotal: 120
Aviation Science - Concentration in Unmanned Aircraft Systems, B.S.

Curriculum

A. General Education courses (35 hours)

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</table>

B. Major Core Requirements (43 hours)

1. Core Courses (37 hours)

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<tr>
<th>Course</th>
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2. Core Electives (6 hours)

Select 6 credits from the subject areas below:

- Any AVI 3 credit hour course
- Any FLT 3 credit hour course
- Any FLT 2 credit hour course
- Any ATC 3 credit hour course
- Any UAS 3 credit hour course
- Any ENGT 3 credit hour course
- Any ENGT 4 credit hour course
- Any EM 3 credit hour course

D. Concentration Requirements (30 hours)

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<td>MNGT 221</td>
<td>Principles of Management</td>
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<td>ACCT 210</td>
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<td>ENGT 101</td>
<td>Introduction to Engineering Technology</td>
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<td>UAS 100</td>
<td>Unmanned Aircraft Systems</td>
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<td>UAS 200</td>
<td>UAS and NAS: Laws and Regulations</td>
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<td>UAS Applications Lab II (Precision Agriculture/Surveying)</td>
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E. Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Aviation Science with a Concentration in Unmanned Aircraft Systems

Freshman Year

First Semester

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<td>ENGL 102</td>
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Subtotal: 16

Second Semester

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<td>AVI 220</td>
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<tr>
<td>BUAD 115</td>
<td>Humanities &amp; Fine Arts (A)</td>
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Subtotal: 14

Sophomore Year

First Semester

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<tr>
<td>MATH 118</td>
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<td>or</td>
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<tr>
<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
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<tr>
<td>ENGL 201</td>
<td>World Literature I</td>
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<td>AVI 230</td>
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<td>ENGT 101</td>
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<td>UAS 100</td>
<td>Unmanned Aircraft Systems</td>
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Subtotal: 15

Second Semester

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Subtotal: 15

Junior Year

First Semester

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<td>UAS 250</td>
<td>UAS Sensors and Payloads</td>
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Subtotal: 15

Second Semester

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<td>AVI 315</td>
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<td>AVI 314</td>
<td>Aviation Meteorology</td>
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### University of Washington

#### Curriculum

**A. General Education courses (35 hours)**

The following General Education courses are required for the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 118</td>
<td>Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
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</tr>
<tr>
<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
<td>4</td>
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</table>

**B. Major Core Requirements (60 hours)**

1. **1. Core Courses (54 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>UAS 100</td>
<td>Unmanned Aircraft Systems</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 101</td>
<td>Introduction to Engineering Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 100L</td>
<td>Introduction to Engineering Technology Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGT 105</td>
<td>Computer-Aided Drafting (CAD) I</td>
<td>3</td>
</tr>
<tr>
<td>FLT 110</td>
<td>Private Pilot Ground</td>
<td>3</td>
</tr>
<tr>
<td>AVI 122</td>
<td>Orientation Seminar for Aviation Science</td>
<td>1</td>
</tr>
<tr>
<td>UAS 200</td>
<td>UAS and NAS: Laws and Regulations</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 207</td>
<td>Circuit Analysis with Lab</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 207L</td>
<td>Circuit Analysis Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGT 220</td>
<td>Instrumentation and Measurement System</td>
<td>3</td>
</tr>
<tr>
<td>AVI 220</td>
<td>Air Transportation</td>
<td>3</td>
</tr>
<tr>
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<td>Aviation Management</td>
<td>3</td>
</tr>
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</tr>
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<td>AVI 260</td>
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<td>AVI 270</td>
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</tr>
<tr>
<td>AVI 314</td>
<td>Aviation Meteorology</td>
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</tr>
<tr>
<td>UAS 350L</td>
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</tr>
<tr>
<td>AVI 370</td>
<td>Aviation Research Lab I (Design and Construction)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Flight Lab Costs**

Flight training completion rates vary based on student comprehension level, frequency of lessons, and the motivation and dedication of the individual student. Students learn at different rates. This is especially true in the challenging field of aviation. The Federal Aviation Administration (FAA) has a set of completion standards for each flight certificate offered by Elizabeth City State University (ECSU). These standards must be met in order for the student to be eligible to take the FAA practical test also known as a check ride.

Fees are assessed as flat rate and are based on fuel and maintenance cost and are subject to change at any time.

***Lab fees are only refundable in accordance with ECSU’s Tuition Refund Policy during the initial semester of enrollment.***

The flight lab costs are as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLT 116L</td>
<td>Private * $ 6,500.00</td>
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</tr>
<tr>
<td>FLT 225L</td>
<td>Cross-Country * $ 6,000.00</td>
<td></td>
</tr>
<tr>
<td>FLT 326L</td>
<td>Instrument * $ 5,000.00</td>
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</tr>
<tr>
<td>FLT 336L</td>
<td>Commercial * $ 7,500.00</td>
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</tr>
<tr>
<td>FLT 345L</td>
<td>Multi-Engine $ 2,500.00</td>
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</tr>
<tr>
<td>FLT 425L</td>
<td>CFI $ 4,000.00</td>
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</tr>
<tr>
<td>FLT 435L</td>
<td>CFII $ 1,500.00</td>
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</tr>
<tr>
<td>FLT 445L</td>
<td>MEI $ 2000.00 or $ 3000.00</td>
<td></td>
</tr>
</tbody>
</table>

(*) Denotes required courses for the Flight Education Concentration.

Prices do not include costs of FAA check ride examiner fee, knowledge test fee, and flight materials (headset, navigational charts, flight kits etc.) These costs are paid directly to individuals or companies that are independent of ECSU.

In order to keep flight training costs as low as possible, ECSU does not charge students for flight and ground instruction. Students receive flight training at cost, paying only for operating and maintenance cost of the aircraft.

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**Unmanned Aircraft Systems, B.S.**

**Curriculum**

**A. General Education courses (35 hours)**

The following General Education courses are required for the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 118</td>
<td>Precalculus</td>
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<td>MATH 165</td>
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</table>

**B. Major Core Requirements (60 hours)**

1. **1. Core Courses (54 hours)**

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<td>UAS 200</td>
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<td>Circuit Analysis Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGT 220</td>
<td>Instrumentation and Measurement System</td>
<td>3</td>
</tr>
<tr>
<td>AVI 220</td>
<td>Air Transportation</td>
<td>3</td>
</tr>
<tr>
<td>AVI 230</td>
<td>Aviation Management</td>
<td>3</td>
</tr>
<tr>
<td>AVI 250</td>
<td>Basic Aerodynamics and Flight Physics</td>
<td>3</td>
</tr>
<tr>
<td>UAS 250</td>
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<td>AVI 260</td>
<td>Aviation Human Factors and Safety</td>
<td>3</td>
</tr>
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<td>AVI 270</td>
<td>Air Traffic Control and the National Airspace System</td>
<td>3</td>
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<td>AVI 314</td>
<td>Aviation Meteorology</td>
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<tr>
<td>UAS 350L</td>
<td>UAS Applications Lab I (Design and Construction)</td>
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<tr>
<td>AVI 370</td>
<td>Aviation Research Lab I (Design and Construction)</td>
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</table>
2. Core Electives (6 hours)

Select 6 credits from the courses below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AVNC 100</td>
<td>Basic Avionics</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 200</td>
<td>Introduction to Renewable Energy Technologies</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 245</td>
<td>Introduction to LAN &amp; WAN Technology</td>
<td>3</td>
</tr>
<tr>
<td>AVNC 240</td>
<td>Flight Communication Systems</td>
<td>3</td>
</tr>
<tr>
<td>ENGT</td>
<td>Any ENGT 300 or above Electronics/Avionics Course</td>
<td>3</td>
</tr>
<tr>
<td>AVNC 380</td>
<td>Aircraft or Flight Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 466</td>
<td>Microprocessor and Microcontroller</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any RS/GIS Course</td>
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C. Related Area Requirements (15 hours)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CSC 114</td>
<td>Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
<td>3</td>
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</table>

E. Electives (10 hours)

Curriculum Guide for Majors in Unmanned Aircraft Systems

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>UAS 100</td>
<td>Unmanned Aircraft Systems</td>
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</tr>
<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
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</tr>
<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
<td>2</td>
</tr>
<tr>
<td>AVI 122</td>
<td>Orientation Seminar for Aviation Science</td>
<td>1</td>
</tr>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
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Second Semester

<table>
<thead>
<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
<td>1</td>
</tr>
<tr>
<td>AVI 260</td>
<td>Aviation Human Factors and Safety</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social &amp; Behavioral Sciences (B) I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Physical Education Activity</td>
<td>1</td>
</tr>
<tr>
<td>ENGT 105</td>
<td>Computer-Aided Drafting (CAD) I</td>
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Subtotal: 16

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>UAS 100</td>
<td>Unmanned Aircraft Systems</td>
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<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
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<td>Health Concepts</td>
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<tr>
<td>AVI 122</td>
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Subtotal: 14

Sophomore Year

First Semester

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<tr>
<td>MATH 118</td>
<td>Precalculus</td>
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<tr>
<td>ENGL 201</td>
<td>World Literature I</td>
<td>3</td>
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<td>AVI 230</td>
<td>Aviation Management</td>
<td>3</td>
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<td>ENGT 101</td>
<td>Introduction to Engineering Technology</td>
<td>3</td>
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<tr>
<td>ENGT 100L</td>
<td>Introduction to Engineering Technology Lab</td>
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<tr>
<td>MNGT 221</td>
<td>Principles of Management</td>
<td>3</td>
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Subtotal: 16

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
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<td>AVI 260</td>
<td>Aviation Human Factors and Safety</td>
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<td></td>
<td>Social &amp; Behavioral Sciences (B) I</td>
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<td></td>
<td>Physical Education Activity</td>
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<tr>
<td>ENGT 105</td>
<td>Computer-Aided Drafting (CAD) I</td>
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Subtotal: 16

Junior Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AVI 250</td>
<td>Basic Aerodynamics and Flight Physics</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>UAS 250</td>
<td>UAS Sensors and Payloads</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 220</td>
<td>Instrumentation and Measurement System</td>
<td>3</td>
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</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AVI 270</td>
<td>Air Traffic Control and the National Airspace System</td>
<td>3</td>
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<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
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</tr>
<tr>
<td>ACCT 210</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 105</td>
<td>Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>BUAD 115</td>
<td>Introduction to Business</td>
<td>3</td>
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</table>

Subtotal: 16

Senior Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AVI 370</td>
<td>Aviation Research Methods and Statistics</td>
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<td>UAS 350L</td>
<td>UAS Applications Lab I (Design and Construction)</td>
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<tr>
<td>ECON 201</td>
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Second Semester

<table>
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AVI 465</td>
<td>Aviation Capstone (Senior Project)</td>
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<td>or</td>
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<tr>
<td>AVI 460</td>
<td>Aviation Internship</td>
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<td></td>
<td>Free Elective</td>
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<tr>
<td>UAS 400L</td>
<td>UAS Applications Lab II (Precision Agriculture/Surveying)</td>
<td>3</td>
</tr>
<tr>
<td>AVI 220</td>
<td>Air Transportation</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Subtotal: 120

Aviation Science, Minor

The Aviation Science minor is designed for students in other academic disciplines who would like to study the aviation and aerospace industries so that they may apply the knowledge of their degree program along with their minor program to a career area within the field of aviation or aerospace. The Aviation Science
minor provides the non-Aviation Science student major with an overview of the aviation industry so that they are informed and knowledgeable about the aviation industry to compete for aviation-and aerospace-related job opportunities.

Before selecting this minor, it is highly recommended that the student be advised by the Director of the Aviation Science Program. A student who elects to minor in Aviation Science must complete a minimum of 18 A and B credits. Specifically, a student must complete 12 Section A (required Courses) as well as a minimum of 6 hrs. from Section B (Elective Courses). Students who wish to earn a minor in Aviation Science must adhere to all prerequisites and earn a grade of “C” or higher in all AVI and FLT courses.

Curriculum

Section A Required Courses (12 hours)
- AVI 100 Introduction to Aviation 3
- AVI 220 Air Transportation 3
- AVI 230 Aviation Management 3
- FLT 110 Private Pilot Ground 3

Section B Elective Courses (6 hours)
- AVI 232 Safety Management Systems (SMS) 3
- AVI 250 Basic Aerodynamics and Flight Physics 3
- AVI 260 Aviation Human Factors and Safety 3
- AVI 270 Air Traffic Control and the National Airspace System 3
- AVI 314 Aviation Meteorology 3
- AVI 315 Aviation Legislation and Ethics 3
- AVI 340 Corporate Flight Operations 3
- AVI 420 Crew Resource Management 3
- AVI 430 Airport Planning and Management 3

Subtotal: 18

Emergency Management

Emergency Management, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Core Requirements (45 hours)

1. Core Courses (36 hours)
- EM 200 Introduction to Emergency Management 3
- EM 210 Response and Recovery 3
- EM 224 Emergency Service Law and Ethics 3
- EM 230 Hazard Mitigation and Preparedness 3
- EM 298 Social Dimensions of Disasters 3
- EM 300 Emergency and Disaster Preparedness 3
- EM 315 Weapons of Mass Destruction 3
- EM 382 Emergency Planning 3
- EM 480 Hazard Analysis 3
- EM 497 Seminar in Emergency Management 3
- EM 499 Global Terrorism 3
- EM 495 EM Leadership & Policy Management 3

2. Core Electives (9 hours)

Select 9 credit hours from the courses below.
- EM 460 EM Internship I 3
- EM 470 EM Internship II 3
- EM 240 Disaster Command and Control 3
- PRINC 201 Principles of ICS & NIMS 3
- EM 202 Disaster and Movies: Facts and Fiction of Survival 3
- EM 390 Practical Strategies in Rescue Operations 3
- EM 320 Public Education in Preparedness and Safety Topics 3
- FLT 110 Private Pilot Ground 3
- HMLS 325 Critical Infrastructure Protection 3
- PHS 210 Community Health, Safety, and Disease 3
- PHS 310 Environmental Health and Sanitation 3
- PHS 410 Terrorism, Disasters, and Epidemics 3

C. Related Courses (15 hours)

Select 15 semester hours from the following:
- ATC 200 Control Tower Operations 3
- AVI 230 Aviation Management 3
- AVI 232 Safety Management Systems (SMS) 3
- AVI 314 Aviation Meteorology 3
- BUAD 426 Supply Chain Management 3
- BIOL 215 Anatomy & Physiology 4
- CJ 201 Introduction to Criminal Justice 3
- CSC 114 Introduction to Computer Science 3
- ENSC 440 Global Environmental Issues Seminar 3
- GEOG 221 Cartographic Principles 3
- GEOG 308 Weather and Climate 3
- GEOG 360 Principles of Geographic Information System (GIS) 3
- HLTH 465 Drug Education 3
- HMLS 215 Introduction to Homeland Security 3
- JOUR 349 Mass Media 3
- KIN 388 Lifesaving 3
- KIN 390 Water Safety 3
- MNGT 221 Principles of Management 3
- PHS 322 Principles of Epidemiology 3
- POLS 298 American National Government 3
- POLS 299 State and Local Government 3
- POLS 305 Political Theory 3
- PESM 413 Facilities Management 3
- SOWK 205 Introduction to Social Work 3
- SOWK 210 Fundamentals of Interviewing 3
- SOWK 220 Human Diversity 3
- SOWK 343 Social Work with Children 3
- UAS 100 Unmanned Aircraft Systems 3
- UAS 200 UAS and NAS: Laws and Regulations 3
- UAS 250 UAS Sensors and Payloads 3
- HMLS 391 Terrorism 3

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### Freshman Year

#### First Semester
- **UNIV 110** Freshman Seminar I 1
- **ENGL 102** Composition I 3
- **Social & Behavioral Sciences A** 3
- **HLTH 185** Health Concepts 2
- **EM 200** Introduction to Emergency Management 3
- **Humanities & Fine Arts (A) 2** 3

Subtotal: 15

#### Second Semester
- **UNIV 120** Freshman Seminar II 1
- **ENGL 103** Composition II 3
- **Social & Behavioral Sciences (B) 1** 3
- **Humanities & Fine Arts B** 2
- **Natural Sciences and Mathematics - A** 3
- **EM 224** Emergency Service Law and Ethics 3

Subtotal: 15

### Sophomore Year

#### First Semester
- **EM 230** Hazard Mitigation and Preparedness 3
- **Humanities & Fine Arts (A) 2** 3
- **Social & Behavioral Sciences (B) 2** 3
- **Related Course** 3
- **Related Course** 3

Subtotal: 15

#### Second Semester
- **EM 210** Response and Recovery 3
- **Related Course** 3
- **Natural Sciences and Mathematics - B** 4
- **EM 298** Social Dimensions of Disasters 3
- **Physical Education Activity** 1
- **Free Elective** 1

Subtotal: 15

### Junior Year

#### First Semester
- **EM 300** Emergency and Disaster Preparedness 3
- **EM 315** Weapons of Mass Destruction 3
- **Free Elective 3** 3
- **Free Elective 3** 3

Subtotal: 15

#### Second Semester
- **Related Course** 3
- **EM 382** Emergency Planning 3
- **EM 490** Global Terrorism 3
- **Free Elective** 3
- **Core Elective** 3

Subtotal: 15

### Senior Year

#### First Semester
- **EM 495** EM Leadership & Policy Management 3
- **Free Elective** 3
- **EM 480** Hazard Analysis 3
- **Core Elective** 3

Subtotal: 15

#### Second Semester
- **EM 497** Seminar in Emergency Management 3
- **Free Elective** 3
- **Free Elective** 3
- **Free Elective** 3
- **Core Elective** 3

Subtotal: 15

### Minor Core Requirements (9 hours)
- **EM 200** Introduction to Emergency Management 3
- **EM 298** Social Dimensions of Disasters 3
- **EM 300** Emergency and Disaster Preparedness 3

### Minor Electives (12 hours)
Please select 12 credit hours from the courses below.

- **EM 210** Response and Recovery 3
- **EM 224** Emergency Service Law and Ethics 3
- **EM 230** Hazard Mitigation and Preparedness 3
- **EM 315** Weapons of Mass Destruction 3
- **EM 382** Emergency Planning 3
- **EM 460** EM Internship I 3
- **EM 470** EM Internship II 3
- **EM 480** Global Terrorism 3
- **EM 490** Seminar in Emergency Management 3
- **EM 495** EM Leadership & Policy Management 3

Subtotal: 21

### Certificate in Emergency Management Athletic Facilities

#### Curriculum

1. **Core Courses (6 hours)**
   - **PESM 410** Organization and Management 3
   - **PESM 413** Facilities Management 3

2. **Core Electives (9 hours)**
   Select 9 hours from the following courses.
   - **EM 200** Introduction to Emergency Management 3
   - **EM 298** Social Dimensions of Disasters 3
   - **EM 300** Emergency and Disaster Preparedness 3
   - **EM 315** Weapons of Mass Destruction 3
   - **EM 382** Emergency Planning 3
   - **EM 480** Hazard Analysis 3
Kinesiology and Health

OVERVIEW
To provide an environment in which students can pursue excellence through a program of professional coursework, practical experiences, and professional interactions that will provide a foundation for careers in the field of Kinesiology. The Kinesiology degree is one of the newest programs developed by ECSU. The Kinesiology degree asks students to choose one of three concentrations to specialize in: Physical Education and Health, Fitness and Wellness, and Exercise Science. All students majoring in a degree in Kinesiology will take the same 23 credit hours of core courses, 8 credit hours of core electives, and then will take courses specific to the concentration of study. The Kinesiology degree is taught using online and face-to-face coursework and is suggested to take 8 full-time semesters to graduate. Kinesiology majors must earn a C or better in required general education courses, major requirements, related area requirements and concentration requirements. All graduating seniors are required to participate in an exit survey during their last semester before their final grades will be posted. Professional conduct is expected of all students as outlined in the disposition requirements assessment tool. The disposition assessment tool may be obtained from your advisor during a regularly scheduled advising appointment.

MISSION
The mission of the Kinesiology program is to provide educational opportunities for students seeking a B.S. degree in Kinesiology by disseminating knowledge about Kinesiology, Physical Education pedagogy, pedagogical content knowledge, physical activity programming, nutrition, public health, exercise, human movement, curriculum design, and instructional strategies that will prepare graduates to be globally competitive to transform Northeaster NC and the World.
The Physical Education and Health concentration is designed to provide the content knowledge needed to teach Physical Education and Health Education at the K-12 grade levels, in the state of North Carolina. Upon completion of this program students will be eligible to earn North Carolina teaching licensure.

**Kinesiology- Physical Education and Health Licensure Only**
The Physical Education and Health Licensure Only track is available to individuals who currently hold an undergraduate degree, in any field, from an accredited institution. This program of study is available to provide experience with Physical Education and Health Education content to individuals in order to earn endorsement for teaching Physical Education and Health Education through the state North Carolina.

**KINESIOLOGY AND HEALTH CLUB**
The Health and Physical Education Majors’ Club exists to provide all students majoring in a program of study in the Kinesiology and Health with an organization to foster the open exchange of ideas. The club provides access to community service opportunities on campus, in Elizabeth City, in North Carolina, and nationally. Members engage in a variety of new experiences that will help them discover new information about their fields, which will prepare them to become productive members of their field and society after graduation.

The Health and Physical Education Majors’ Club brings professionals to ECSU for guest lectures, offers nationally recognized training programs, and promotes professional development and networking by helping fund students to attend and present at national, state, and local conferences. Students must obtain a minimum grade of "C" in all Major Core Requirements.

**Kinesiology - Concentration in Exercise Science, B.S.**

Curriculum

**A. General Education Requirements (35 hours)**
The following General Education course is required for the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 101</td>
<td>General Biology for Majors I</td>
<td>4</td>
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</table>

**B. Major Requirements (30 hours)**

1. **Core Courses (22 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOL 102</td>
<td>General Biology for Majors II</td>
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</tr>
<tr>
<td>KIN 447</td>
<td>Exercise Prescription and Testing</td>
<td>3</td>
</tr>
<tr>
<td>KIN 447L</td>
<td>Exercise Prescription and Testing Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 215</td>
<td>Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 216</td>
<td>Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>KIN 405</td>
<td>Biomechanics</td>
<td>4</td>
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</table>

2. **Core Electives (8 hours)**

Select 8 hours from the courses below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
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<td>General Biology for Majors II</td>
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<tr>
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<tr>
<td>BIOL 216</td>
<td>Anatomy &amp; Physiology II</td>
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<tr>
<td>KIN 405</td>
<td>Biomechanics</td>
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**C. Related Area Requirements (20 hours)**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
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<td>General Physics I</td>
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<td>PHYS 181L</td>
<td>General Physics I Lab</td>
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<tr>
<td>PHYS 182</td>
<td>General Physics II</td>
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<tr>
<td>PHYS 182L</td>
<td>General Physics II Lab</td>
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<td>CHEM 101</td>
<td>General Chemistry I</td>
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<tr>
<td>CHEM 101L</td>
<td>General Chemistry I Lab</td>
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<tr>
<td>CHEM 102</td>
<td>General Chemistry II</td>
<td>3</td>
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<tr>
<td>CHEM 102L</td>
<td>General Chemistry II Lab</td>
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<tr>
<td>PSI 301</td>
<td>Statistics and Research Design</td>
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**D. Concentration Requirements (26 hours)**

1. **Concentration Core (20 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOL 102</td>
<td>General Biology for Majors II</td>
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</tr>
<tr>
<td>KIN 447</td>
<td>Exercise Prescription and Testing</td>
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</tr>
<tr>
<td>KIN 447L</td>
<td>Exercise Prescription and Testing Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 215</td>
<td>Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 216</td>
<td>Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>KIN 405</td>
<td>Biomechanics</td>
<td>4</td>
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</table>

2. **Concentration Electives (6 hours)**

Complete 6 credit hours of Kinesiology Field Experience.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 491</td>
<td>Kinesiology Field Experience</td>
<td>3</td>
</tr>
</tbody>
</table>
KIN 492  Kinesiology Field Experience II  3
KIN 493  Kinesiology Field Experience III  3

E. Free Electives (9 hours)
Subtotal: 120

Curriculum Guide for Majors in Kinesiology - Exercise Science Concentration

Freshman Year

First Semester
Biol 101  General Biology for Majors I  4
Engl 102  Composition I  3
Univ 110  Freshman Seminar I  1
Natural Sciences and Mathematics - A  3
Chem 101  General Chemistry I  3
Chem 101L  General Chemistry I Lab  1
Subtotal: 15

Second Semester
Biol 102  General Biology for Majors II  4
Engl 103  Composition II  3
Univ 120  Freshman Seminar II  1
Physical Education Activity  1
Hlth 185  Health Concepts  2
Chem 102  General Chemistry II  3
Chem 102L  General Chemistry II Lab  1
Subtotal: 15

Second Semester

Sophomore Year

First Semester
Biol 215  Anatomy & Physiology  4
Humanities & Fine Arts (A) 1  3
Kin 239  Introduction to Kinesiology  2
Humanities & Fine Arts (A) 2  3
Social & Behavioral Sciences A  3
Subtotal: 15

Second Semester
Biol 216  Anatomy & Physiology II  4
Humanities & Fine Arts B  2
Kin 205  Technology Application in Fitness and Wellness  2
Psy 212  General Psychology  3
Kin 300  Exercise Physiology  3
Social & Behavior Sciences B (1)  3
Subtotal: 17

Junior Year

First Semester
Kin 369  Prevention and Care of Athletic Injuries  3
Kin 370  Kinesiology  3
Phys 181  General Physics I  3
Phys 181L  General Physics I Lab  1
Psy 301  Statistics and Research Design  4
Kin 390  Water Safety  3
Subtotal: 17

Second Semester
Phys 182  General Physics II  3
Phys 182L  General Physics II Lab  1
Hlth 369  Principles of Nutrition  3

KIN 401  Motor Learning and Motor Behavior  3
KIN 405  Biomechanics  4
KIN 405L  Biomechanics Lab  1
Subtotal: 16

Senior Year

First Semester
KIN 447  Exercise Prescription and Testing  3
KIN 447L  Exercise Prescription and Testing Lab  1
KIN 491  Kinesiology Field Experience I  3
Core Elective  3
Free Elective  3
Subtotal: 13

Second Semester
KIN 492  Kinesiology Field Experience II  3
Core Elective  3
Free Elective  3
Free Elective  3
Subtotal: 12

Subtotal: 120

Kinesiology - Concentration in Fitness and Wellness, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (30 hours)

1. Core Courses (22 hours)

KIN 205  Technology Application in Fitness and Wellness  2
KIN 239  Introduction to Kinesiology  2
KIN 300  Exercise Physiology  3
KIN 369  Prevention and Care of Athletic Injuries  3
KIN 370  Kinesiology  3
KIN 401  Motor Learning and Motor Behavior  3
Hlth 369  Principles of Nutrition  3
KIN 399  Applied Techniques in Strength and Conditioning  3

2. Core Electives (8 hours)

Select 8 hours from the courses below.

KIN 242  Teaching Team Sports  2
KIN 307  Teaching Lifetime Leisure Pursuits  2
KIN 403  Research in Kinesiology  3
KIN 420  Wellness Programming and Administration  3
KIN 430  Nutrition and Fitness and Sport  3
KIN 435  Scientific Basis of Health and Aging for Older Adults  3
KIN 448  Exercise Prescription for Chronic Disease  3
KIN 470  Adapted Physical Education  3
Hlth 450  Health Parity: Rural, Urban, and Global Contexts  3
C. Related Area Requirements (12 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 215</td>
<td>Anatomy &amp; Physiology</td>
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<tr>
<td>KIN 243</td>
<td>Teaching Individual and Dual Sports</td>
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<tr>
<td>KIN 216</td>
<td>Elementary Physical Education</td>
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<tr>
<td>HLTH 200</td>
<td>Introduction to Health and Wellness Promotion</td>
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D. Concentration Requirements (24 hours)

1. Concentration Core (18 hours)

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>PESM 413</td>
<td>Facilities Management</td>
<td>3</td>
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<tr>
<td>KIN 375</td>
<td>Recreation, Fitness and Wellness Management and Programming</td>
<td>3</td>
</tr>
<tr>
<td>KIN 379</td>
<td>Lifestyle, Weight Management, and Health Coaching</td>
<td>3</td>
</tr>
<tr>
<td>KIN 383</td>
<td>Aquatic &amp; Fitness Instruction</td>
<td>3</td>
</tr>
<tr>
<td>KIN 407</td>
<td>Group Exercise Instruction</td>
<td>3</td>
</tr>
<tr>
<td>KIN 478</td>
<td>Swimming Pool Operation and Maintenance</td>
<td>3</td>
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</tbody>
</table>

2. Concentration Elective (6 hours)

Select 6 hours from the Kinesiology Field Experience Courses listed below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>KIN 491</td>
<td>Kinesiology Field Experience I</td>
<td>3</td>
</tr>
<tr>
<td>KIN 492</td>
<td>Kinesiology Field Experience II</td>
<td>3</td>
</tr>
<tr>
<td>KIN 493</td>
<td>Kinesiology Field Experience III</td>
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</table>

E. Free Electives (19 hours)

Subtotal: 120

Departmental Requirements

- ARC Certified First Aid or HLTH 367 WSI (Water Safety Instructor) or KIN 478 Swimming Pool Operation and Maintenance

Curriculum Guide for Majors in Kinesiology - Fitness and Wellness Concentration

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 102</td>
<td>Composition I</td>
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<tr>
<td></td>
<td>Natural Sciences and Mathematics - A</td>
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<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
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<tr>
<td></td>
<td>Natural Sciences and Mathematics - B</td>
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<tr>
<td>KIN 239</td>
<td>Introduction to Kinesiology</td>
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Subtotal: 14

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
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<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
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<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
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<tr>
<td></td>
<td>Social &amp; Behavioral Sciences (B) 1</td>
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</tr>
<tr>
<td></td>
<td>Social &amp; Behavioral Sciences (B) 2</td>
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</tr>
<tr>
<td></td>
<td>Humanities &amp; Fine Arts B</td>
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</table>

Subtotal: 14

Sophomore Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOL 215</td>
<td>Anatomy &amp; Physiology</td>
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</table>

Junior Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>KIN 369</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>3</td>
</tr>
<tr>
<td>KIN 370</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>KIN 375</td>
<td>Recreation, Fitness and Wellness Management and Programming</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 369</td>
<td>Principles of Nutrition</td>
<td>3</td>
</tr>
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<td>Core Elective</td>
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<tr>
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<td>Free Elective</td>
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Subtotal: 15

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>KIN 300</td>
<td>Exercise Physiology</td>
<td>3</td>
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<tr>
<td>KIN 383</td>
<td>Aquatic &amp; Fitness Instruction</td>
<td>3</td>
</tr>
<tr>
<td>KIN 379</td>
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<td>Group Exercise Instruction</td>
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Subtotal: 15

Senior Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>KIN 478</td>
<td>Swimming Pool Operation and Maintenance</td>
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<tr>
<td>KIN 491</td>
<td>Kinesiology Field Experience I</td>
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<tr>
<td>PESM 413</td>
<td>Facilities Management</td>
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<td>Core Elective</td>
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Subtotal: 15

Second Semester

<table>
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<tbody>
<tr>
<td>KIN 401</td>
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<td>KIN 492</td>
<td>Kinesiology Field Experience II</td>
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<tr>
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<td>Free Elective</td>
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Subtotal: 120

Departmental Requirements

- ARC Certified First Aid or HLTH 367 WSI (Water Safety Instructor) or KIN 478 Swimming Pool Operation and Maintenance
Kinesiology - Concentration in Physical Education and Health (Teaching), B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (30 hours)

1. Core Courses (22 hours)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
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<td>Technology Application in Fitness and Wellness</td>
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<td>KIN 239</td>
<td>Introduction to Kinesiology</td>
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<td>Prevention and Care of Athletic Injuries</td>
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<td>KIN 401</td>
<td>Motor Learning and Motor Behavior</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 369</td>
<td>Principles of Nutrition</td>
<td>3</td>
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<tr>
<td>KIN 599</td>
<td>Applied Techniques in Strength and Conditioning</td>
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</table>

2. Core Electives (8 hours)

Select 8 hours from the courses below.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>KIN 242</td>
<td>Teaching Team Sports</td>
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<td>KIN 307</td>
<td>Teaching Lifetime Leisure Pursuits</td>
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<tr>
<td>KIN 403</td>
<td>Research in Kinesiology</td>
<td>3</td>
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<tr>
<td>KIN 420</td>
<td>Wellness Programming and Administration</td>
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<td>KIN 430</td>
<td>Nutrition and Fitness and Sport</td>
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<tr>
<td>KIN 435</td>
<td>Scientific Basis of Health and Aging for Older Adults</td>
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<td>KIN 448</td>
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<td>KIN 470</td>
<td>Adapted Physical Education</td>
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<td>HLTH 450</td>
<td>Health Parity: Rural, Urban, and Global Contexts</td>
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<tr>
<td>HLTH 465</td>
<td>Drug Education</td>
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C. Related Area Requirements (21 hours)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HLTH 374</td>
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<td>KIN 216</td>
<td>Elementary Physical Education</td>
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<tr>
<td>KIN 243</td>
<td>Teaching Individual and Dual Sports</td>
<td>2</td>
</tr>
<tr>
<td>KIN 316</td>
<td>Teaching Fitness Education</td>
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</tr>
<tr>
<td>KIN 382</td>
<td>Curriculum, Teaching, and Assessment</td>
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<tr>
<td>HLTH 360</td>
<td>Sexual Health Through the Lifespan</td>
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<tr>
<td>BIOL 215</td>
<td>Anatomy &amp; Physiology</td>
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D. Concentration Requirements (24 hours)

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<tbody>
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<td>EDUC 210</td>
<td>Professional Studies I: Introduction to Education</td>
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<td>EDUC 220</td>
<td>Praxis Seminar</td>
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<tr>
<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
<td>3</td>
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<tr>
<td>EDUC 440</td>
<td>Methods and Materials of Teaching Physical Education and Health</td>
<td>3</td>
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<tr>
<td>EDUC 470</td>
<td>Observation and Supervised Teaching in Physical Education and Health</td>
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<tr>
<td>EDUC 495</td>
<td>Seminar in Contemporary Educational Issues</td>
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E. Free Electives (10 hours)

Subtotal: 10

Curriculum Guide for Majors in Teaching Physical Education

Freshman Year

First Semester

<table>
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<th>Hours</th>
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<tr>
<td>ENGL 102</td>
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<tr>
<td>KIN 239</td>
<td>Introduction to Kinesiology</td>
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Subtotal: 15

Second Semester

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<tr>
<td>ENGL 103</td>
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<td>Natural Sciences and Mathematics - A</td>
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<tr>
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Subtotal: 16

Sophomore Year

First Semester

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<td>Professional Studies I: Introduction to Education</td>
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Subtotal: 13

Second Semester

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<td>EDUC 220</td>
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<td>KIN 216</td>
<td>Elementary Physical Education</td>
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<td>KIN 300</td>
<td>Exercise Physiology</td>
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<td>KIN 205</td>
<td>Technology Application in Fitness and Wellness</td>
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<td>KIN 243</td>
<td>Teaching Individual and Dual Sports</td>
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Subtotal: 16

Junior Year

First Semester

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<td>Teaching Lifetime Leisure Pursuits</td>
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<td>KIN 369</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>3</td>
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<td>KIN 370</td>
<td>Kinesiology</td>
<td>3</td>
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<tr>
<td>KIN 382</td>
<td>Curriculum, Teaching, and Assessment</td>
<td>3</td>
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<td>HLTH 369</td>
<td>Principles of Nutrition</td>
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Subtotal: 17

Second Semester

<table>
<thead>
<tr>
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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPED 310</td>
<td>Introduction to Special and Diverse Learners</td>
<td>3</td>
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<tr>
<td>HLTH 374</td>
<td>School Health Education</td>
<td>3</td>
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</tbody>
</table>
School of Science Aviation Health and Technology

KIN 401 Motor Learning and Motor Behavior 3
KIN 399 Applied Techniques in Strength and Conditioning 3

Senior Year
First Semester
EDUC 440 Methods and Materials of Teaching Physical Education and Health 3
HLTH 360 Sexual Health Through the Lifespan Free Elective 3 Free Elective 3 Free Elective 3 Free Elective 1

Second Semester
EDUC 470 Observation and Supervised Teaching in Physical Education and Health 9
EDUC 495 Seminar in Contemporary Educational Issues 3

Subtotal: 15

Subtotal: 16

Subtotal: 120

Health and Wellness Promotion, Minor
Curriculum
Minor Core Courses
HLTH 101 First Aid, CPR, and AED 1
HLTH 200 Introduction to Health and Wellness Promotion 3
HLTH 360 Sexual Health Through the Lifespan 3
HLTH 450 Health Parity: Rural, Urban, and Global Contexts 3
KIN 379 Lifestyle, Weight Management, and Health Coaching 3
PSY 375 Health Psychology 3

Subtotal: 16

Minor Core Electives
Please select 6 credits from the courses below:
HLTH 369 Principles of Nutrition 3
HLTH 465 Drug Education 3
KIN 420 Wellness Programming and Administration 3
PHS 210 Community Health, Safety, and Disease 3
PHS 310 Environmental Health and Sanitation 3
PSY 296 Environmental Psychology 3
PSY 390 Psychology of Addictions 3
PSY 407 Community Psychology 3

Subtotal: 22

Public Health, Minor
Curriculum
Minor Core Courses (12 hours)
PHS 110 Introduction to Public Health 3
PHS 210 Community Health, Safety, and Disease 3
PHS 310 Environmental Health and Sanitation 3
PHS 410 Terrorism, Disasters, and Epidemics 3

Subtotal: 12

Field Experiences (6 hours)
PHS 420 Local Public Health Agency Field Experience 3
PHS 421 State PHS Agency Field Experience 3
PHS 422 Federal PHS Agency Field Experience 3
PHS 423 Non-Profit Organization Field Experience 3
PHS 424 Private Corporation PHS Field Experience 3
PHS 425 International PHS Field Experience 3

Subtotal: 6

Elective (3 hours)
PHS 322 Principles of Epidemiology 3
HLTH 465 Drug Education 3

Subtotal: 3

Choose one course:
Subtotal: 21

Science of Coaching, Minor
Curriculum
Minor Core Courses
BIOL 215 Anatomy & Physiology 4
KIN 300 Exercise Physiology 3
KIN 369 Prevention and Care of Athletic Injuries 3

Minor Elective I
Please select 3 credit hours from the courses listed below.
KIN 230 Sport Specific Coaching I 3
KIN 231 Sport Specific Coaching II 3

Minor Elective II
Please select 3 credit hours from the courses listed below.
KIN 401 Motor Learning and Motor Behavior 3
KIN 420 Wellness Programming and Administration 3
KIN 430 Nutrition and Fitness and Sport 3
KIN 470 Adapted Physical Education 3
KIN 399 Applied Techniques in Strength and Conditioning 3

Field Experience
Please select one course from the courses listed below.
Pharmaceutical Sciences

Overview

The Bachelor of Science in Pharmaceutical Sciences (BSPS) is a four-year baccalaureate program. Pharmaceutical Sciences combine a broad range of scientific disciplines that are critical to development, design, and discovery of new drugs and therapies. The degree is designed for students who wish to pursue careers in pharmaceutical industry, biotechnology industry, biomedical industry, pharmaceutical sales, pharmacy and health care administrations. (Please note: This four-year program does not qualify graduates to take licensure examinations to become registered pharmacists.)

Structure of the Program

The program consists of a two-year pre-professional study that encompasses the general sciences (like Chemistry, Biology and Physics), arts, humanities and social sciences (general education). This is then followed by two years of major study that equips students with excellent skills needed to be valuable assets to the drug discovery and development processes in pharmaceutical companies. Students will take courses that include, for example, Pharmacology, Medicinal Chemistry, and Drug Discovery, Design and Development etc. (for a detailed curriculum click here). A total of 120 semester hours are required for graduation from the BSPS program.

Mission

The mission of the BSPS program in the Department of Health and Human Studies at Elizabeth City State University is to produce graduates who will be highly sought after for their skill and expertise by pharmaceutical and biotechnology industries, academic institutions, government and private research institutes and regulatory agencies. Graduates of the program will be highly prepared to be competitive for admissions into the best professional and graduate schools in the world.

Objectives:

• To provide a quality undergraduate education for rewarding professional career opportunities and graduate programs in the pharmaceutical sciences.
• To promote knowledge using basic laboratory skills, experience in data gathering and analysis, critical thinking and communication in oral and written formats.

Learning Outcomes:

• Knowledge of pharmaceutical sciences – graduates of pharmaceutical science will demonstrate knowledge in all areas of pharmaceutical sciences
• Communication skill – graduates of pharmaceutical science will communicate effectively
• Critical thinking – graduates of pharmaceutical science will think critically

Pharmaceutical Sciences, B.S.

Curriculum
A. General Education Requirements (36 hours)

The following General Education courses are required for the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
<td>4</td>
</tr>
<tr>
<td>PSY 212</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 101</td>
<td>Elementary Spanish</td>
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B. Major Requirements (40 hours)

Minimum grade of a "C" is required in all major courses.

1. Core Courses (35 hours)

<table>
<thead>
<tr>
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<th>Title</th>
<th>Hours</th>
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<tbody>
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<td>BIOL 101</td>
<td>General Biology for Majors I</td>
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</tr>
<tr>
<td>BIOL 102</td>
<td>General Biology for Majors II</td>
<td>4</td>
</tr>
<tr>
<td>PHSC 201</td>
<td>Foundations of Pharmaceutical Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PHSC 320/L</td>
<td>Pharmaceutical Analysis/L</td>
<td>4</td>
</tr>
<tr>
<td>PHSC 470</td>
<td>Drug Discovery, Design &amp; Development</td>
<td>4</td>
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<tr>
<td>PHSC 403</td>
<td>Pharmaceutical Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>PHSC 404</td>
<td>Pharmaceutical Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>PHSC 422</td>
<td>Methods in Biotechnology/L</td>
<td>4</td>
</tr>
<tr>
<td>PHSC 485</td>
<td>Principles of Pharmacology</td>
<td>3</td>
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<tr>
<td>PHSC 498</td>
<td>Scientific Communication/Capstone Seminar</td>
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2. Core Electives (5 hours)

Any PHSC 400 level 3 credit hour course and PHSC 2 credit hour course.
C. Related Area Requirements (35 hours)

Minimum grade of a "C" is required for all related area course requirements.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOL 215</td>
<td>Anatomy &amp; Physiology</td>
<td>4</td>
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<tr>
<td>BIOL 341</td>
<td>Microbiology</td>
<td>4</td>
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<td>BIOL 487</td>
<td>Statistical Applications in the</td>
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<td>Sciences</td>
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<td>CHEM 102</td>
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<td>CHEM 102L</td>
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<td>CHEM 301</td>
<td>Organic Chemistry I</td>
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<td>CHEM 302</td>
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<td>Introduction to Medicinal</td>
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D. Concentration Requirements (0 hours)

E. Free Electives (9 hours)

Subtotal: 120

Curriculum Guide for Pharmaceutical Sciences

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOL 101</td>
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<td>CHEM 101L</td>
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<td>ENGL 102</td>
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Subtotal: 15

Second Semester

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<tr>
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Subtotal: 16

Sophomore Year

First Semester

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Subtotal: 16

Second Semester

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Junior Year

First Semester

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<td>PHSC 403</td>
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Subtotal: 14

Second Semester

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<td>PHSC 320/L</td>
<td>Pharmaceutical Analysis/L</td>
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<td>PHSC 404</td>
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<td>PHYS 182</td>
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Subtotal: 18

Senior Year

First Semester

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<td>Principles of Pharmacology</td>
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Subtotal: 12

Second Semester

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<tr>
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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
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<tr>
<td></td>
<td>Free Elective</td>
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Subtotal: 12

Subtotal: 120

Students must obtain a minimum grade of C in all major core requirements and related area course requirements.

Psychology

OVERVIEW

The study of psychology recognized as a STEM discipline, provides knowledge regarding the causes of behavior and psychological methods of investigation. A background in psychology promotes within an individual a sense of competence and efficiency through a better understanding of development, learning, cognition, and emotion. Therefore, a fundamental effort in the Psychology Program is to impart to students a thorough knowledge of the practical, scientific, and theoretical/philosophical factors associated with the study of human behavior.
Psychology is a far reaching discipline with seemingly endless career options for majors based on their interests such as mental health, human services, education, business, computer programming, environmental science, neuroscience, military, rehabilitation, occupational therapy, social work; and working with families, elderly, children, animals, criminals, different sociocultural groups, nonprofit and faith based organizations etc. Undergraduate degree in psychology provides a solid educational base for other fields such as medicine (MCAT has a major section on psychology), dentistry, nursing, law, data analysis, correctional facilities management, marketing or advertising to mention a few.

The program offers a major, a minor, and an academic concentration (Teacher Education Majors) in Psychology.

MISSION & OBJECTIVES

In concert with the overall mission of Elizabeth City State University, the Psychology program endeavors to develop in undergraduate students a better understanding of the social, biological, and environmental factors that impact the human experience from a global, overall perspective. Students are presented the opportunity to prepare for graduate study in psychology, marketing, law enforcement, social work and education to name a few. The program’s objectives can be translated into specific purposes/goals relevant to obtaining the Bachelor of Science Degree in Psychology at ECSU. These objectives are as follows:

- to enhance student ability to think critically and quantitatively;
- to provide relevant and rigorous academic coursework, the successful completion of which results in a Bachelor of Science degree;
- to provide students with the knowledge, skills, and academic preparation necessary for the pursuit of advanced degrees in graduate and professional schools, thereby facilitating viable employment opportunities; and
- to provide students with a broad understanding of the types of problems in local, national, and international communities which can be addressed via the application of knowledge obtained from the study of psychology.

PSYCHOLOGY DEGREE PROGRAM

The degree of Bachelor of Science with a major in psychology shall be conferred upon students who complete major requirements as indicated in the curriculum plan for those majoring in psychology. It should be noted that both the Major and the Minor (for majors in any discipline) are offered in psychology. Each student pursuing the Psychology major is encouraged to declare a minor (any field other than Psychology) as the first-time seeker of the baccalaureate degree.

For a Major or Minor status in psychology, the student must evidence an overall GPA of 2.25 or better and must have earned grades of "C" or better in the courses identified as "Psychology" (PSY); and proficiency in APA writing format. Earning grades of "C" or better in Psychology (PSY) courses is a requirement for graduation. Failure to maintain the required GPA will result in the student being placed on probationary status as a Major/Minor in Psychology until the necessary GPA is achieved. The appropriate course sequence along with curriculum-guide summaries appear below.

The Department also offers an "Academic Concentration in Psychology (p. 185)" as a complement to the Teacher Education Program.

Psychology, B.S.

Curriculum

A. General Education Core (35 hours)

General education requirements for Major or Minor in Psychology include 35 hours of general education core courses. The students can select courses from various general education sections as per general education core curriculum instructions except the listed courses that are required for Major or Minor in Psychology.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 212</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 101</td>
<td>General Biology for Majors I</td>
<td>4</td>
</tr>
</tbody>
</table>

B. Major Core Requirements (45 hours)

1. Core Courses (24 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 221</td>
<td>Professional Perspectives in Psychology</td>
<td>1</td>
</tr>
<tr>
<td>PSY 250</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 301</td>
<td>Statistics and Research Design</td>
<td>4</td>
</tr>
<tr>
<td>PSY 311</td>
<td>Psychological Tests and Measurement</td>
<td>3</td>
</tr>
<tr>
<td>PSY 351</td>
<td>Experimental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSY 360</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>
PSY 450 Learning and Cognition 3
PSY 490 Senior Seminar in Psychology 3

Subtotal: 24

2. Core Electives: (Select seven** courses) 21 hours

Select two courses from Group 1, two from Group 2, and three from Group 3 for Psychology Major requirements. For Minor in Psychology, select any two courses from the offered Psychology core electives from two different groups.

**Select two for Minor

Group 1: Experimental/Physiological (choose 2)

Select two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 370</td>
<td>Physiological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 390</td>
<td>Psychology of Addictions</td>
<td>3</td>
</tr>
<tr>
<td>PSY 400</td>
<td>Sensation and Perception</td>
<td>3</td>
</tr>
<tr>
<td>PSY 375</td>
<td>Health Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Group 2: Personality/Social (choose 2)

Select any two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 260</td>
<td>Psychology of Adjustment</td>
<td>3</td>
</tr>
<tr>
<td>PSY 320</td>
<td>Psychology of Social Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSY 330</td>
<td>Psychology of Personality</td>
<td>3</td>
</tr>
<tr>
<td>PSY 380</td>
<td>Psychology of Group Behavior</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>and Inter-group Conflict</td>
<td></td>
</tr>
</tbody>
</table>

Group 3: Applications & Specialties (choose 3)

Select three courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 296</td>
<td>Environmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 340</td>
<td>Psychology of Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>PSY 407</td>
<td>Community Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 410</td>
<td>Industrial/Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 420</td>
<td>Counseling Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>PSY 480</td>
<td>Practicum in Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

C. Related Area Course Requirements (15-16 hours)

Select 3-4 credits from BIOL 102/L, PHS 110, PHS 210 and CHEM 101/L; two consecutive courses (6 credits) from foreign languages; and 6 credits from the listed related area courses if those courses are not used to satisfy GE or Core Elective requirements.

C1. Select 3-4 credit hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 102</td>
<td>General Biology for Majors II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 101L</td>
<td>General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHS 110</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PHS 210</td>
<td>Community Health, Safety, and Disease</td>
<td>3</td>
</tr>
</tbody>
</table>

Take labs with BIOL 102 and CHEM 101

C2. Select two (2) consecutive courses in a foreign language (6 credit hours):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 101</td>
<td>Elementary French</td>
<td>3</td>
</tr>
<tr>
<td>FREN 102</td>
<td>Elementary French</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 101</td>
<td>Elementary Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 102</td>
<td>Elementary Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 111</td>
<td>Conversational Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 112</td>
<td>Conversational Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 201</td>
<td>Intermediate Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 202</td>
<td>Intermediate Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 303</td>
<td>Spanish Composition</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 304</td>
<td>Spanish Conversation</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 401</td>
<td>Survey of Spanish Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 402</td>
<td>Survey of Latino Literature</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 101</td>
<td>Introduction to Chinese I</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 102</td>
<td>Introduction to Chinese II</td>
<td>3</td>
</tr>
</tbody>
</table>

The selected language courses cannot satisfy general education requirement

C3. Select 6 credit hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVI 260</td>
<td>Aviation Human Factors and Safety</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 210</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>COM 200</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CSC 114</td>
<td>Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 401</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 367</td>
<td>First Aid, CPR and Safety</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 369</td>
<td>Principles of Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 460</td>
<td>Contemporary Health Education</td>
<td>2</td>
</tr>
<tr>
<td>HLTH 465</td>
<td>Drug Education</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 349</td>
<td>Mass Media</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 351</td>
<td>Journalism I</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 352</td>
<td>Journalism II</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 250</td>
<td>Introduction to Broadcasting</td>
<td>3</td>
</tr>
<tr>
<td>MIS 201</td>
<td>Applied Leadership and Management I</td>
<td>2</td>
</tr>
<tr>
<td>MIS 202</td>
<td>Applied Leadership and Management II</td>
<td>2</td>
</tr>
<tr>
<td>MIS 301</td>
<td>Leadership and Management I</td>
<td>3</td>
</tr>
<tr>
<td>MIS 302</td>
<td>Leadership and Management II</td>
<td>3</td>
</tr>
<tr>
<td>MIS 303</td>
<td>U.S. Military History</td>
<td>3</td>
</tr>
<tr>
<td>PESM 211</td>
<td>Introduction to Sport Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PESM 311</td>
<td>Sport Marketing and Promotion</td>
<td>3</td>
</tr>
<tr>
<td>PESM 312</td>
<td>Legal Issues of Sport/Rec</td>
<td>3</td>
</tr>
<tr>
<td>PESM 313</td>
<td>Governance in Sport</td>
<td>3</td>
</tr>
<tr>
<td>PESM 410</td>
<td>Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>PESM 413</td>
<td>Facilities Management</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 232</td>
<td>Critical Thinking and Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHS 110</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PHS 322</td>
<td>Principles of Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>POLS 305</td>
<td>Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>POLS 307</td>
<td>American Political Ideas</td>
<td>3</td>
</tr>
<tr>
<td>POLS 310</td>
<td>American Presidency</td>
<td>3</td>
</tr>
<tr>
<td>POLS 402</td>
<td>Politics and Problems of</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Contemporary Africa</td>
<td></td>
</tr>
<tr>
<td>POLS 403</td>
<td>American Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>POLS 404</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 483</td>
<td>International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PSY 260</td>
<td>Psychology of Adjustment</td>
<td>3</td>
</tr>
<tr>
<td>PSY 320</td>
<td>Psychology of Social Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSY 330</td>
<td>Psychology of Personality</td>
<td>3</td>
</tr>
<tr>
<td>PSY 340</td>
<td>Psychology of Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>PSY 370</td>
<td>Physiological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 375</td>
<td>Health Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 390</td>
<td>Psychology of Addictions</td>
<td>3</td>
</tr>
<tr>
<td>PSY 400</td>
<td>Sensation and Perception</td>
<td>3</td>
</tr>
<tr>
<td>PSY 407</td>
<td>Community Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 410</td>
<td>Industrial/Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 420</td>
<td>Counseling Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>PSY 480</td>
<td>Practicum in Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>
SOC 305 Sociology of the African-American 3  
SOC 385 Social Theory 3  
SOC 412 Social Stratification 3  
SOC 480 Seminar in Human Terrain Systems in South Asia 3  
SOWK 395 Women and Religion 3  
SPCH 200 Public Speaking 3  
SPCH 316 Argumentation and Debate 3  
CJ 208 Substance Abuse 3  
BFIN 210 Personal Financial Management 3  
SOC 207 Race and Ethnic Relations 3  
SOC 345 Introduction to SPSS 3  

Selected courses should not satisfy general education, Psychology core elective, or related area requirements

D. Free Electives (25 hours)  
Subtotal: 120

Curriculum Guide for Majors in Psychology

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 101</td>
<td>General Biology for Majors I</td>
<td>4</td>
</tr>
</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
<td>1</td>
</tr>
<tr>
<td>PSY 212</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Sophomore Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Humanities &amp; Fine Arts (A) 1</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Foreign Language I</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
<td>2</td>
</tr>
<tr>
<td>PSY 221</td>
<td>Professional Perspectives in Psychology</td>
<td>1</td>
</tr>
<tr>
<td>PSY 360</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Core Elective Grp 1</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal: 16

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 250</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Foreign Language II</td>
<td>3</td>
</tr>
<tr>
<td>PSY 301</td>
<td>Statistics and Research Design</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Related Area</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 15

Junior Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 311</td>
<td>Psychological Tests and Measurement</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Core Elective Grp 2</td>
<td></td>
</tr>
</tbody>
</table>

Core Courses (15 hours)

The following psychology core courses are required for Minor in Psychology (Please take in the given sequence):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 221</td>
<td>Professional Perspectives in Psychology</td>
<td>1</td>
</tr>
<tr>
<td>PSY 301</td>
<td>Statistics and Research Design</td>
<td>4</td>
</tr>
<tr>
<td>PSY 351</td>
<td>Experimental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSY 360</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 450</td>
<td>Learning and Cognition</td>
<td>3</td>
</tr>
</tbody>
</table>

NOTE: Psychology 212 (General Psychology) which fulfills a General Education requirement occurs as a prerequisite to all other courses in psychology. The following PSY courses must be taken in sequence: PSY 212, 221, 301, 311, 351. PSY450 and PSY490 can be taken together.

Psychology, Minor

Total semester hours required for Minor in Psychology are 21 that include 15 hours of required core courses and 6 hours that can be selected from any two groups of psychology electives. General Psychology that satisfies general education requirement is a prerequisite for all other Psychology courses.

Minor in Psychology:

Curriculum

Core Courses (15 hours)
Core Electives (6 hours)

Select two courses (6 credit hours) from any two groups of the core psychology electives.
Subtotal: 15

Academic Concentration in Psychology

Curriculum

Required courses:

PSY212: General Psychology that satisfies general education requirement occurs as a prerequisite to all other courses in psychology for Academic Concentration in Psychology. In addition to General Psychology, seventeen semester hours in Psychology courses are required with a 'C' or better grade. As the courses have a sequence to be followed, students must seek advisement from Psychology faculty advisor to enroll in courses. (NOTE: Take courses in given sequence.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 250</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 301</td>
<td>Statistics and Research Design</td>
<td>4</td>
</tr>
<tr>
<td>PSY 311</td>
<td>Psychological Tests and Measurement</td>
<td>3</td>
</tr>
<tr>
<td>PSY 351</td>
<td>Experimental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSY 450</td>
<td>Learning and Cognition</td>
<td>3</td>
</tr>
</tbody>
</table>

Subtotal: 17

Social Work

Accredited by the Council on Social Work Education (CSWE) June 2007

MISSION OF THE SOCIAL WORK PROGRAM

The mission of the Social Work program at Elizabeth City State University (ECSU) is to prepare students to be competent, effective, and professional generalist social work practitioners at the entry level with individuals, families, groups, organizations, and communities. Special attention is given to the needs of rural and developing communities and guided by a person-in-environment construct in a global perspective. Through this mission, the Social Work program serves predominantly first-generation African American students and other underserved groups who often choose to remain in the rural counties of Northeastern North Carolina.

The Social Work program focuses on knowledge, values, skills, and cognitive and affective processes that are required for effective practice in rural and developing communities which are challenged by disparities in social, economic, environmental, political, cultural, and educational arenas. Through mastery of specific competencies and behaviors outlined by the Council on Social Work Education (CSWE) in the Education Policy and Accreditation Standards (EPAS), students are uniquely prepared to effectively and ethically serve diverse populations in these communities and other contexts. Students are also prepared to engage in practices that demonstrate their commitment to the eradication of poverty, unemployment, discrimination, oppression, and other forms of social injustice, as well as the commitment to continuous professional growth and lifelong learning.

Goals of the BSW Program

The Social Work program goals are derived from the program’s mission. The four goals of the Social Work program are:

1. To prepare students to practice ethically and competently as generalist practitioners with individuals, families, groups, organizations, and communities.

2. To prepare students to engage with diverse populations to advance human rights and promote social, economic, and environmental justice in rural, developing, and global communities.

3. To provide practice opportunities for students to serve the community. 4. To prepare students for graduate study and lifelong learning.

Pre-Professional Social Work Courses

The six Pre-Professional courses are: SOWK 205, SOWK 210, SOWK 220, SOWK 247, SOWK 250, and SOWK 260. These courses are designed to introduce students to the social work profession, the National Association of Social Workers (NASW) Code of Ethics, the rural context, fields of practice, interviewing and intervention skills, dimensions of human diversity, social, economic, and environment justice, the social welfare system and services, and human behavior in the social environment. These pre-professional courses total 18 semester hours.
PROFESSIONAL SOCIAL WORK COURSES

Students must be admitted to the Social Work program prior to enrollment in the Professional Social Work courses. These courses build upon the Pre-Professional sequence and expand students' knowledge and skills in the areas of values and ethics, diversity, populations-at-risks and social and economic justice, human behavior in the social environment, generalist practice, social welfare policies and services, research and evaluation, and field education. The seven Professional Social Work courses are: SOWK 367, SOWK 370, SOWK 372, SOWK 390, SOWK 443, SOWK 444, and SOWK 445. These professional courses total 27 semester hours. The following five professional courses must be completed prior to enrollment in Field Education: SOWK 367, SOWK 370, SOWK 372, SOWK 390 and SOWK 443. In addition, 35 semester hours of Liberal Arts and General Education courses should be completed prior to applying for enrollment in SOWK 444 - Field Education and Seminar I. Students must maintain a 2.50 GPA or higher to continue matriculating in the Professional courses.

ADMISSION TO THE SOCIAL WORK PROGRAM

All students who plan to earn the BSW degree must officially select Social Work as their major, complete the Declaration of Major Form, and meet the following Admission Requirements:

- Apply for admission before the end of the sophomore year;
- Return the completed application along with all supporting documents by February 15th;
- Transfer students return the completed application along with all supporting documents by February 15th;
- Completion of ENGL 102 and 103, BIOL 100 or BIO 207, SOC 201, PSY 212, and SOWK 205. A "C" grade or higher is required in ENGL 102 and 103, and SOWK 205;
- A cumulative GPA of 2.50 or higher;
- Two (2) Letters of Recommendation (faculty member, clergy, counselor, or other professionals in the human services field);
- Agree to abide by the National Association of Social Workers (NASW) Code of Ethics and University policies; and
- Approved Personal Statement (Writing Sample administered by the Social Work faculty);

NOTE: Students are only admitted to the Program during the Fall semester of each academic year.

ADDITIONAL PROGRAM REQUIREMENTS

- All Pre-Professional and Professional Social Work courses must be taken in sequential order.
- Students must be formally admitted into the Social Work Program and have completed SOWK 205, 210, 220, 247, 250, and 260 with a "C" or higher prior to enrollment in the Professional Sequence Social Work courses.
- Students must also maintain a 2.50 GPA (or higher) to continue matriculating in the Professional courses.
- Students must complete an admission's process prior to entering the Field Experience and Seminar courses.
- NOTE: The Social Work program does not grant course credit for employment/work experience.

FIELD EDUCATION AND SEMINAR

Students must complete the application process prior to entering the Field Experience and Seminar courses. Across both program options, the Director of Field Education will provide the student with a referral to an agency for an interview. Students in the Social Work program are required to complete a minimum of 440 hours of supervised field experience at selected public, nonprofit, and for-profit human service agencies in North Carolina. Prior to enrollment in SOWK 444 & 445, Field Experience and Seminar I & II, students must have completed liberal arts, general education, pre-professional, and professional social work courses as outlined in the social work curriculum.

Across both program options, the Social Work program has a concurrent placement model in field education. For both program options, the concurrent
placement model requires students to complete 220 hours of supervised field education experience at selected human service agencies during the Fall and Spring semesters. For Program Option 1: Main Campus, students are in their selected field agencies for two days (Tuesday and Thursday) for approximately 14 hours per week. For Program Option 2: Off-Site Campuses, students are in their selected field agencies in the evenings and weekends. Only students that are a part of institutions with Articulation Agreements and have an Associate's Degree in Human Services Technology are eligible for this program option.

Across both program options, failure to successfully complete both courses in an academic year will require the student to repeat the entire process e.g. complete the application process, attend the pre-orientation meetings, and complete the interview to be placed at an agency. The student will not have to repeat the individual course, but he/she will be placed at a new agency.

Students who do not satisfactorily complete Field Experience and Seminar forfeit hours earned and must reapply. Incomplete (I) grades are not given for SOWK 444 and 445. Students who are readmitted to Field Experience and Seminar are assigned to new agencies. All students must earn a grade of "C" or higher in all required social work courses in order to graduate with the BSW Degree.

In addition to the agency placements, students are required to attend and participate in a weekly seminar class. The seminar class is instrumental in guiding students in the field education process. The seminar classes also provide students the opportunity to discuss their agency experiences and to integrate social work knowledge, values, skills, cognitive and affective processes, and the program competencies with the field experience. In addition, the students will purchase liability insurance and complete a background check.

Failure to submit an application will result in students not being considered for field education. Students employed in human service agencies will not be allowed to use their employment or work experiences as a substitute for their field education placements.

Transfer Student Policy
Transfer students (including those who have already achieved junior status) and other students who change their major to Social Work must also go through the application process and be officially admitted into the Social Work program. There is not a guarantee that courses transferred from other degree programs or institutions of higher learning will substitute for required Social Work courses. Social Work Practice courses from other institutions cannot be transferred.

Social Work, B.S.W.
Curriculum

A. General Education Requirements (35 hours)
The following General Education courses are required for the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 100</td>
<td>Principles of Biological Science</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 100L</td>
<td>Principles of Biological Science Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 115</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 101</td>
<td>Elementary Spanish</td>
<td>3</td>
</tr>
<tr>
<td>HIST 141</td>
<td>History of World Civilization, 1500 to the Present</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 201</td>
<td>World Literature I</td>
<td>3</td>
</tr>
<tr>
<td>POLS 298</td>
<td>American National Government</td>
<td>3</td>
</tr>
</tbody>
</table>

B. Major Requirements (45 hours)
All students declaring Social Work as their major must be formally admitted into the Social Work program. Students should apply for formal admission during the spring semester of the sophomore year. Admission requirements include the following:

- Completion of ENGL 102 and 103, and SOWK 205 (with a "C" or higher);
- Completion of BIO 100 or 207, SOC 201, and PSY 212;
- Complete the Application for Admission;
- Complete the Personal Statement (Writing Sample administered by the Social Work faculty);
- Submit two (2) letters of Recommendation;
- Have a Cumulative Grade Point Average (GPA) of 2.50 (or higher); and
- Agree to abide by University policies and the National Association of Social Workers (NASW) Code of Ethics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK 205</td>
<td>Introduction to Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 210</td>
<td>Fundamentals of Interviewing</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>SOWK 220</td>
<td>Human Diversity</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 247</td>
<td>Rural Social Work Practice</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 250</td>
<td>Introduction to Social Welfare</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 260</td>
<td>Human Behavior in the Social Environment I: Childhood and Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 367</td>
<td>Social Work Practice I: Individuals, Families, and Groups</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 370</td>
<td>Social Welfare Policy</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 372</td>
<td>Human Behavior in the Social Environment II: Adulthood</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 390</td>
<td>Research Methods in Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 443</td>
<td>Social Work Practice II: Organizations and Communities</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 444</td>
<td>Social Work Field Education and Seminar I</td>
<td>6</td>
</tr>
<tr>
<td>SOWK 445</td>
<td>Social Work Field Education and Seminar II</td>
<td>6</td>
</tr>
</tbody>
</table>

**Additional Requirements**

- All Pre-Professional and Professional Social Work courses must be taken in sequence.
- Students must be admitted into the Social Work program and have completed SOWK 205, 210, 220, 247, 250, and 260 with a "C" or higher prior to enrollment in the Professional sequence Social Work courses.
- Students must also maintain a 2.50 GPA (or higher) to continue matriculating in the Professional courses.
- Students must complete an admission's process prior entering the Field Experience and Seminar courses.
- **Note:** The Social Work program does not grant course credit for employment/work experience.

**C. Related Area Requirements (12 hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 201</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>PSY 212</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOC 346</td>
<td>Social Statistics</td>
</tr>
<tr>
<td>SOC 305</td>
<td>Sociology of the African-American</td>
</tr>
<tr>
<td>HIST 250</td>
<td>African American History to 1877</td>
</tr>
</tbody>
</table>

**D. Concentration Requirements (0 hours)**

**E. Free Electives (28 hours)**

Subtotal: 120

**Curriculum Guide for Majors in Social Work**

**Freshman Year**

**First Semester**

- UNIV 110: Freshman Seminar I 1
- ENGL 102: Composition I 3
- HLTH 185: Health Concepts 2
- Physical Education Activity 1
- MATH 115: College Algebra 3
- Humanities & Fine Arts B 2

**Second Semester**

- ENGL 103: Composition II 3
- BIOL 100: Principles of Biological Science 3
- BIOL 100L: Principles of Biological Science Lab 1
- HIST 141: History of World Civilization, 1500 to the Present 3

**Sophomore Year**

**First Semester**

- ENGL 201: World Literature I 3
- SOWK 205: Introduction to Social Work 3
- SOWK 210: Fundamentals of Interviewing 3
- SOWK 220: Human Diversity 3
- SPAN 101: Elementary Spanish 3

Subtotal: 15

**Second Semester**

- SOWK 247: Rural Social Work Practice 3
- SOWK 250: Introduction to Social Welfare 3
- SOWK 260: Human Behavior in the Social Environment I: Childhood and Adolescence 3
- POLS 298: American National Government 3
- PSY 212: General Psychology 3

Subtotal: 15

**Complete Admission's Process**

**Junior Year**

**First Semester**

- SOWK 367: Social Work Practice I: Individuals, Families, and Groups 3
- SOWK 370: Social Welfare Policy 3
- SOWK 372: Human Behavior in the Social Environment II: Adulthood Related Area 3
- SOC 346: Social Statistics 3
- SOC 305: Sociology of the African-American 3

Subtotal: 15

**Second Semester**

- SOWK 390: Research Methods in Social Work 3
- SOWK 443: Social Work Practice II: Organizations and Communities Free Elective 3
- Free Elective 3
- Free Elective 3

Subtotal: 15

**Senior Year**

**First Semester**

- SOWK 444: Social Work Field Education and Seminar I 6
- Free Elective 3
- Free Elective 3
- Free Elective 3
Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK 445</td>
<td>Social Work Field Education and Seminar II</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Subtotal:</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Students must earn a "C" or higher in all Social Work Core Courses

Subtotal: 120

Gerontology, Minor

Gerontological Social Work is a specialized field of Social Work Practice that is concerned with the development, needs, and treatment of older adults. Since people are living longer, there is an increased need and demand for individuals with the knowledge and skills to work effectively with the aging population.

Non-Social Work majors have the option to pursue a Minor in Gerontology. The Minor in Gerontology consists of 18 credit hours. It provides an opportunity for students to learn about the aging process and the problems, issues, needs, and strengths of older people and the people who care for them. Students also learn about social programs, special legislation, and other policies that impact older people. The following courses are required for the Minor in Gerontology:

- SOWK 205 - Introduction to Social Work
- SOWK 280 - Introduction to Gerontology
- SOWK 372 - Human Behavior and the Social Environment II
- SOWK 400 - The Aged in Society
- SOWK 450 - Life and Living: Coping with Dying
- SOWK 469 - Independent Research for Special Populations

Subtotal: 15

Degree Requirements

Requirements List

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK 280</td>
<td>Introduction to Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 372</td>
<td>Human Behavior in the Social Environment II</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 400</td>
<td>The Aged and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 440</td>
<td>Perspectives on Death and Dying</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 450</td>
<td>Life and Living: Coping with Dying</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 469</td>
<td>Independent Research for Special Populations</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 18

DEPARTMENT MATHEMATICS, COMPUTER SCIENCE AND ENGINEERING TECHNOLOGY

The Department of Mathematics, Computer Science and Engineering Technology offers undergraduate programs leading to Bachelor of Science degrees in Mathematics, Computer Science and Engineering Technology. The department also offers minors in Mathematics, as well as Computer Science. A graduate program leading to a Master of Science degree has been added, with concentrations in Applied Mathematics, Mathematics Education, Community College Teaching, and Remote Sensing. The strong curriculum provides students with a high level of preparation for professional employment, as well as for graduate study, with an emphasis on integrating theory and applications.

Students majoring in the Mathematical Sciences have numerous career opportunities open to them. An undergraduate degree in Mathematics, Computer Science or Engineering Technology establishes an excellent background for graduate studies in many areas such as Mathematics, Actuarial Science, Computer Science, Statistics, Engineering, Operations Research, and Economics, etc. Those who are planning to receive a license to teach high school and/or middle school Mathematics must have a minor in Secondary Education.

The department faculty members have diverse research interests. It is recommended that prospective students contact the department as early as possible to discuss an appropriate program of study and plan the sequencing of course requirements. Students majoring in or with a minor in Mathematics or Computer Science are required to have a "C" or better grade in all major requirement courses to meet the
departmental standards and approval to be recommended for graduation. The Department of Mathematics, Computer Science and Engineering Technology offer degrees in the following:

Computer Science
- Computer Science with a Concentration in Information Systems (p. 192)
- Computer Science with a Concentration in Data Science (p. 191)

Mathematics
- Mathematics (p. 198)
- Mathematics with a Concentration in Secondary Education (p. 198)

Engineering Technology
- Engineering Technology with Concentration in Computer Networking Engineering Technology (p. 193)
- Engineering Technology with a Concentration in Electrical and Computer Engineering Technology (p. 194)
- Engineering Technology With a Concentration in Mechanical Engineering Technology (p. 196)
- Engineering Technology with a Concentration in Robotics and Autonomous Engineering Technology

Engineering Technology Program

The mission of Engineering Technology is to empower students to become innovative problem solvers and function effectively in today’s global, rapidly changing, diverse work environment by offering a dynamic curriculum that provides an academic foundation for lifelong learning in the engineering technology field.


Program educational objectives

The B.S. in Engineering Technology program will produce graduates who will:

1. Actively remain aware of the professional and ethical standards in the field of engineering technology through pursuing or completing an advance degree, professional development course, and/or engineering certifications.
2. Effectively use communication skills and tools to productively work in a team environment with others of diverse cultural and interdisciplinary backgrounds
3. Apply fundamental principles of engineering technology to solve complex problems and/or design systems that contribute to the efficiency or effectiveness of their professional organization.
4. Utilize technology and leadership skills to make sound decisions to implement, manage and integrate systems or processes that comply with professional standards

The Engineering Technology program prepares its graduates with a blend of technical knowledge, theoretical skills, and the hands-on experience necessary to enter professional careers in design, installation, operation, computer, electronics, information technology, mechanical, computer aided manufacturing, control, robotics and automated systems. Engineering Technologists use the principles and theories of engineering, science, and mathematics to solve technical problems in engineering and engineering technology related fields. The successful completion of this program will not only provide better job opportunities, but also prepare students who plan on pursuing graduate studies in the related fields.

The graduates of this program are qualified to obtain professional careers in high-tech industries, government, and business or pursue their graduate degree in the related fields. Graduates can obtain positions such as: Computer Engineer, Network Administrator, Computer System Analyst, Computer and Information System Manager, Network Engineer, Mechanical Engineer, Automated Process Engineer, Production Engineer and Plant Supervisor.

Accreditations

Engineering Technology is accredited by the Engineering Technology Accreditation Commission of Accreditation Board for Engineering and Technology – (ABET-ETAC), http://ww.abet.org
Computer Science - Concentration in Data Science, B.S.

Curriculum

A. General Education Requirements (35 hours)

B. Major Requirements (37 hours)

1. Core Courses (31 hours)
   - CSC 115: Programming I 3
   - CSC 160: Computer Science Majors Orientation Seminar 1
   - CSC 215: Programming II 3
   - CSC 218: Data Structures 3
   - CSC 260: Sophomore Seminar in Computer Science 1
   - CSC 314: Computer Architecture and Organization 3
   - CSC 325: Database Systems 3
   - CSC 410: Net-Centric Computing 3
   - CSC 412: Software Engineering 3
   - CSC 420: Operating Systems 3
   - CSC 460: Senior Seminar in Computer Science 2

2. Core Electives (6 hours)
   Select 6 hours from the courses below.
   - CSC 240: Introduction to Cybersecurity 3
   - CSC 315: Programming Languages Concepts 3
   - CSC 318: Algorithms 3
   - CSC 322: UNIX Administration & System Programming 3
   - CSC 409: Artificial Intelligence 3
   - CSC 413: System Analysis and Design 3
   - CSC 415: Topics In Computer Science 3
   - CSC 430: Undergraduate Research in Computer Science 3
   - CSC 435: Advanced Web Design 3
   - CSC 452: Internship 3-6
   - MATH 360: Applied Cryptography & Data Security 3
   - MATH 410: Linear Optimization 3

D. Concentration Requirements (35 hours)
   - MATH 165: Calculus of Single Variable I 4
   - MATH 265: Calculus of Single Variable II 4
   - MATH 262: Discrete Methods 3
   - MATH 351: Linear Algebra 3
   - STAT 251: Basic Statistics 3
   - CSC 210: C++ Programming 3
   - CSC 230: Object-Oriented Programming 3
   - CSC 305: Introduction to Bioinformatics 3
   - CSC 401: Data Mining & Machine Learning 3
   - CSC 414: Python Programming & Visualization 3
   - CSC 451: Numerical and Symbolic Computing 3

E. Free Electives (13 hours)
   Subtotal: 120

Curriculum Guide for Major in Computer Science with a Data Science Concentration

Freshman Year

First Semester
   - UNIV 110: Freshman Seminar I 1
   - MATH 118: Precalculus 3
   - ENGL 102: Composition I 3
   - Humanities & Fine Arts B 2
   - Social & Behavioral Sciences A 3
   - CSC 115: Programming I 3
   - Subtotal: 15

Second Semester
   - MATH 165: Calculus of Single Variable I 4
   - UNIV 120: Freshman Seminar II 1
   - ENGL 103: Composition II 3
   - Natural Sciences and Mathematics - B 4
   - CSC 160: Computer Science Majors Orientation Seminar 1
   - CSC 215: Programming II 3
   - Subtotal: 16

Sophomore Year

First Semester
   - Social & Behavioral Sciences (B) 1 3
   - Humanities & Fine Arts (A) 1 3
   - MATH 262: Discrete Methods 3
   - CSC 218: Data Structures 3
   - MATH 265: Calculus of Single Variable II 4
   - Subtotal: 10

Second Semester
   - Social & Behavioral Sciences (B) 2 3
   - Humanities & Fine Arts (A) 2 3
   - HLTH 185: Health Concepts 2
   - CSC 260: Sophomore Seminar in Computer Science 1
   - CSC 305: Introduction to Bioinformatics 3
   - CSC 210: C++ Programming 3
   - Physical Education Activity 1
   - Subtotal: 16

Junior Year

First Semester
   - CSC 325: Database Systems 3
   - CSC 410: Net-Centric Computing 3
   - MATH 351: Linear Algebra 3
   - Free Elective 1 3
   - Free Elective 2 3
   - Subtotal: 15

Second Semester
   - CSC 335: Introduction to Web Design 3
   - CSC 230: Object-Oriented Programming 3
   - CSC 314: Computer Architecture and Organization 3
   - CSC 420: Operating Systems 3
   - STAT 251: Basic Statistics 3
   - Subtotal: 15

Senior Year

First Semester
   - CSC 412: Software Engineering 3
CSC 414  Python Programming & Visualization  3
CSC  Computer Science Elective I  3
Free Elective 3  3
Free Elective 4  3
Subtotal: 9

Second Semester
CSC 401  Data Mining & Machine Learning  3
CSC 451  Numerical and Symbolic Computing  3
CSC 460  Senior Seminar in Computer Science  2
CSC  Computer Science Elective II  3
Free Elective 5  3
Subtotal: 15

Subtotal: 120
Total Credit Hours:  240

Computer Science - Concentration in Information Systems, B.S.

Curriculum

A. General Education courses (35 hours)
B. Major Requirements (37 hours)

1. Core Courses (31 hours)
CSC 115  Programming I  3
CSC 160  Computer Science Majors Orientation Seminar  1
CSC 215  Programming II  3
CSC 218  Data Structures  3
CSC 260  Sophomore Seminar in Computer Science  1
CSC 314  Computer Architecture and Organization  3
CSC 325  Database Systems  3
CSC 335  Introduction to Web Design  3
CSC 410  Net-Centric Computing  3
CSC 412  Software Engineering  3
CSC 420  Operating Systems  3
CSC 460  Senior Seminar in Computer Science  2

2. Core Electives (6 hours)
Select 6 credits from the courses below.
CSC 240  Introduction to Cybersecurity  3
CSC 315  Programming Languages Concepts  3
CSC 318  Algorithms  3
CSC 322  UNIX Administration & System Programming  3
CSC 409  Artificial Intelligence  3
CSC 413  System Analysis and Design  3
CSC 415  Computer Graphics  3
CSC 421  Topics In Computer Science  3
CSC 430  Undergraduate Research in Computer Science  3
CSC 435  Advanced Web Design  3
CSC 452  Internship  3-6
MATH 360  Applied Cryptography & Data Security  3
MATH 410  Linear Optimization  3

D. Concentration Requirements (34 hours)

1. Concentration Core (31 hours)
MATH 165  Calculus of Single Variable I  4
MATH 262  Discrete Methods  3
MATH 351  Linear Algebra  3
STAT 251  Basic Statistics  3
BUAD 115  Introduction to Business  3
BUAD 190  Management Information Systems I  3
BMIS 425  IT and Cyber Security Management  3
ACCT 210  Financial Accounting  3
MNGT 221  Principles of Management  3
BMIS 380  Management Information Systems II  3

2. Concentration Electives (3 hours)
Select 3 credits from the courses below:
CSC 210  C++ Programming  3
CSC 230  Object-Oriented Programming  3

E. Free Electives (14 hours)
Subtotal: 120

Curriculum Guide for Major in Computer Science with an Information Systems Concentration

Freshman Year

First Semester
UNIV 110  Freshman Seminar I  1
MATH 118  Precalculus  3
ENGL 102  Composition I  3
Humanities & Fine Arts B  2
Social & Behavioral Sciences A  3
CSC 115  Programming I  3
Subtotal: 15

Second Semester
UNIV 120  Freshman Seminar II  1
MATH 165  Calculus of Single Variable I  4
ENGL 103  Composition II  3
Natural Sciences and Mathematics B  4
CSC 160  Computer Science Majors Orientation Seminar  1
CSC 215  Programming II  3
Subtotal: 16

Sophomore Year

First Semester
Social & Behavioral Sciences (B) 1  3
Humanities & Fine Arts (A) 1  3
CSC 218  Data Structures  3
Free Elective I  3
MATH 262  Discrete Methods  3
Subtotal: 15

Second Semester
Social & Behavioral Sciences (B) 2  3
Humanities & Fine Arts (A) 2  3
HLTH 185  Health Concepts  2
Physical Education Activity  1
BUAD 190  Management Information Systems I  3
CSC 260  Sophomore Seminar in Computer Science  3
Free Elective 2  3
Subtotal: 16
### Junior Year
#### First Semester
- CSC 325: Database Systems 3
- CSC 410: Net-Centric Computing 3
- MATH 351: Linear Algebra 3
- BUAD 115: Introduction to Business 3
- Free Elective 3 3

**Subtotal: 15**

#### Second Semester
- CSC 210: C++ Programming 3
- OR
- CSC 230: Object-Oriented Programming 3
- CSC 335: Introduction to Web Design 3
- CSC 420: Operating Systems 3
- STAT 251: Basic Statistics 3
- BUAD 115: Introduction to Business 3
- Free Elective 3 3

**Subtotal: 15**

#### Senior Year
#### First Semester
- CSC 412: Software Engineering 3
- CSC 340: Introduction to Computer Science I 3
- ACCT 210: Financial Accounting 3
- MNGT 221: Principles of Management 3
- Free Elective 4 3

**Subtotal: 15**

#### Second Semester
- CSC 460: Senior Seminar in Computer Science 2
- OR
- CSC 335: Introduction to Web Design 3
- BMIS 380: Management Information Systems II 3
- BMIS 425: IT and Cyber Security Management 3
- Free Elective 5 3

**Subtotal: 15**

**Subtotal: 120**

Total Credit Hours: 240

### Engineering Technology with concentration in Computer Networking

#### Curriculum

**A. General Education Requirements (35 hours)**

The following General Education courses are required for this major.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 191</td>
<td>University Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 181</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>3</td>
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<tr>
<td>ECON 201</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 200</td>
<td>Public Speaking</td>
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**B. Major Requirements (40 hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGT 101</td>
<td>Introduction to Engineering Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 105</td>
<td>Computer-Aided Drafting (CAD) I Technology Lab</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 207</td>
<td>Circuit Analysis with Lab</td>
<td>3</td>
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<tr>
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| or
| CSC 114    | Introduction to Computer Science   | 3            |

**C. Related Area Requirements (14 hours)**

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**D. Concentration Requirements (19 hours)**

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**E. Free Electives (12 hours)**

Subtotal: 120

Curriculum Guide for Majors in Engineering Technology with concentration in Computer Networking
### MATH 165
Calculus of Single Variable I 4

### UNIV 120
Freshman Seminar II 1

### ENGL 103
Composition II 3

#### Social & Behavioral Sciences (B) I 3

#### Humanities & Fine Arts B 2

#### Physical Education Activity 1

**Subtotal:** 15

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### Sophomore Year

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**Subtotal:** 15

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<td>Analog and Digital Circuits I</td>
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**Subtotal:** 15

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### Junior Year

#### First Semester

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<td>or</td>
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**Subtotal:** 15

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**Subtotal:** 15

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### Senior Year

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### Second Semester

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**Subtotal:** 16

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#### Subtotal: 120

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### Engineering Technology with a concentration in Electrical and Computer Engineering Technology, B.S.

#### Curriculum

**A. General Education Requirements (35 hours)**

The following General Education courses are required for this major.

- PHYS 191 University Physics I 3
- OR
- PHYS 181 General Physics I 3
- OR
- CHEM 101 General Chemistry I 3
- ECON 201 Principles of Economics I 3
- SPCH 200 Public Speaking 3

**B. Major Requirements (40 hours)**

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<td>ENGL 401</td>
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**Subtotal:** 14

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**C. Related Area Requirements (14 hours)**

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**Subtotal:** 3
### D. Concentration Requirements (19 hours)

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### E. Free Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Engineering Technology with concentration in Electrical and Computer Networking Engineering Technology

#### Freshman Year

**First Semester**

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Subtotal: 15

**Second Semester**

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Subtotal: 15

#### Junior Year

**First Semester**

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Subtotal: 16

#### Senior Year

**First Semester**

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Subtotal: 13

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Subtotal: 14

Subtotal: 120
Engineering Technology with a Concentration in Mechanical Engineering Technology, B.S.

Curriculum

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B. Major Requirements (40 hours)

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<td>ENGT 207</td>
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<td>ENGT 245</td>
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<td>ENGT 455</td>
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<td>ENGT 498</td>
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<td>ENGT 490</td>
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C. Related Area Requirements (14 hours)

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D. Concentration Requirements (19 hours)

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<td>ENGT 460</td>
<td>Engineering Software Applications</td>
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E. Free Electives (12 hours)

Subtotal: 120

Curriculum Guide for Majors in Engineering Technology with concentration in Mechanical Engineering Technology

**Freshman Year**

**First Semester**

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<td>or</td>
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<td>University Physics I</td>
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<td>or</td>
<td>CHEM 101</td>
<td>General Chemistry I</td>
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<td>PHYS 181L</td>
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<td>or</td>
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<td>or</td>
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Subtotal: 15

**Second Semester**

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Subtotal: 15

**Sophomore Year**

**First Semester**

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<td>or</td>
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<td>or</td>
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<td>or</td>
<td>ENGT 220</td>
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Subtotal: 15

**Second Semester**

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<td>ENGT 210</td>
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<td>Analog and Digital Circuits I</td>
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Subtotal: 14

**Junior Year**

**First Semester**

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<td>Introduction to LAN &amp; WAN Technology</td>
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<td>ENGT 311</td>
<td>Applied Mechanics</td>
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<td>ENGT 370</td>
<td>Computer Aided Design and Manufacturing</td>
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<td>Programming I</td>
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Subtotal: 16
Second Semester
ENGT 320  Applied Fluid Mechanics  3
ENGT 386  Strength of Materials  3
ENGT 361  Control Systems  3
ENGT 360L  Control System Lab  1
SPCH 200  Public Speaking  3
ENGL 401  Technical Writing  3
Subtotal: 16

Senior Year
First Semester
ENGT 415  Machine Design  3
ENGT 420  Thermal Systems  3
ENGT 425  Thermal-Fluid Lab  1
ENGT 455  Capstone Senior Project I  2
Free Elective  3
Free Elective  3
Subtotal: 15

Second Semester
ENGT 460  Engineering Software Applications  3
ENGT 490  Project Management  3
ENGT 498  Capstone Senior Project II  2
Free Elective  3
Free Elective  3
Subtotal: 14

Subtotal: 120

Engineering Technology with concentration in Robotics and Autonomous Systems Engineering Technology, B.S.

Curriculum
A. General Education Requirements (35 hours)
The following General Education courses are required for this major.

PHYS 191  University Physics I  3
PHYS 181  General Physics I  3
PHYS 181L  General Physics I Lab  1
ECON 201  Principles of Economics I  3
SPCH 200  Public Speaking  3

B. Major Requirements (40 hours)
ENGT 101  Introduction to Engineering Technology  3
ENGT 100L  Introduction to Engineering Technology Lab  1
ENGT 105  Computer-Aided Drafting (CAD) I  3
ENGT 207  Circuit Analysis with Lab  3
ENGT 207L  Circuit Analysis Lab  1
ENGT 210  Materials and Processes  3
ENGT 210L  Material and Process Lab  1
ENGT 220  Instrumentation and Measurement System  3
ENGT 235  Analog and Digital Circuits I  3
ENGT 235L  Analog & Digital Circuits I Lab  1
ENGT 245  Introduction to LAN & WAN Technology  3
ENGT 311  Applied Mechanics  3
ENGT 311L  Applied Mechanics Lab  1
ENGT 361  Control Systems  3
ENGT 360L  Control System Lab  1
ENGT 455  Capstone Senior Project I  2
ENGT 498  Capstone Senior Project II  2
ENGT 490  Project Management  3
MNGT 421  Operations Management  3

C. Related Area Requirements (14 hours)
ENGL 401  Technical Writing  3
MATH 165  Calculus of Single Variable I  4
MATH 265  Calculus of Single Variable II  4
CSC 115  Programming I  3
or
CSC 114  Introduction to Computer Science  3

D. Concentration Requirements (19 hours)
ENGT 305  Introduction to Autonomous Mobile Robotics  3
ENGT 335  Analog and Digital Circuits II  3
ENGT 335L  Analog & Digital Circuits II Lab  1
ENGT 365  Computer Design and Implementation  3
CSC 314  Computer Architecture and Organization  3
ENGT 400  Advanced Mobile Robotics: UGV  3
ENGT 410  Mechatronics System Design  3
CSC 115  Programming I  3
or
CSC 215  Programming II  3
ENGT 466  Microprocessor and Microcontroller  3
or
Any ENGT 400 level course

E. Free Electives (12 hours)
Subtotal: 120

Curriculum Guide for Majors in Engineering Technology with concentration in Robotics and Autonomous Engineering Technology
### Mathematics, B.S.

#### Curriculum

##### A. General Education courses (35 hours)

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<tr>
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<tr>
<td>MATH 165</td>
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<td>Calculus of Single Variable II</td>
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<td>MATH 267</td>
<td>Calculus of Several Variables III</td>
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<td>MATH 275</td>
<td>Foundations of Mathematics</td>
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<td>MATH 350</td>
<td>Number Theory</td>
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<td>MATH 351</td>
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<td>Abstract Algebra I</td>
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<tr>
<td>MATH 358</td>
<td>Differential Equations</td>
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<td>STAT 351</td>
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##### B. Major Requirements (52 hours)

#### 1. Core Courses (40 hours)

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<td>MATH 267</td>
<td>Calculus of Several Variables III</td>
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<td>MATH 275</td>
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<td>MATH 350</td>
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#### 2. Core Electives (12 hours)

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<td>MATH 345</td>
<td>History of Mathematics</td>
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<td>MATH 360</td>
<td>Applied Cryptography &amp; Data Security</td>
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<td>MATH 366</td>
<td>Complex Variables</td>
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<td>MATH 410</td>
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<td>MATH 452</td>
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<td>MATH 456</td>
<td>Contemporary Issues in Math Education</td>
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<td>Special Studies/Seminars in Mathematics</td>
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#### C. Related Area Requirements (12 hours)

#### 1. Related Core (9 hours)

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#### 2. Related Elective (3 hours)

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#### D. Free Electives (21 hours)

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EDUC 360: Teaching and Assessment
MATH 467: Senior Capstone

**Second Semester**

EDUC 464: Observation and Supervised Teaching in Mathematics
EDUC 495: Seminar in Contemporary Educational Issues

**Minor Areas Offered in the Department**

**Computer Science, Minor**

**Required Courses**
- CSC 114: Introduction to Computer Science
- CSC 230: Object-Oriented Programming
- CSC 218: Data Structures
- CSC 420: Operating Systems
- CSC 325: Database Systems
- CSC: Computer Science Elective I

Subtotal: 18

Total Credit Hours: 18

**Mathematics, Minor**

**Required Courses**
- MATH 275: Foundations of Mathematics
- MATH 267: Calculus of Several Variables III
- MATH 351: Linear Algebra
- MATH 358: Differential Equations
- STAT 351: Probability and Statistics I

Choose one of the following:
- MATH 345: History of Mathematics
- MATH 360: Applied Cryptography & Data Security
- MATH 410: Linear Optimization
- MATH 455: Elements of Real Analysis
- MATH 462: Mathematical Modeling

Subtotal: 19

**Computer Networking Engineering Technology, Minor**

**Required Courses**
- ENGT 215: PC Hardware & Software Support Technology
- ENGT 215L: PC Hardware & Software and Operating System Lab
- ENGT 245: Introduction to LAN & WAN Technology
- ENGT 256L: Basic Networking Lab

- ENGT 340: Analog & Digital Communications
- ENGT 345: Routing and Switching Protocols
- ENGT 345L: Routing and Switching Protocols Lab
- ENGT 471: Enterprise Network Security & Administration
- ENGT 470L: Enterprise Network Security & Administration Lab

Subtotal: 22

**Electrical and Computer Engineering Technology, Minor**

**Required Courses**
- ENGT 207: Circuit Analysis with Lab
- ENGT 207L: Circuit Analysis Lab
- ENGT 215: PC Hardware & Software Support Technology
- ENGT 215L: PC Hardware & Software and Operating System Lab
- ENGT 235: Analog and Digital Circuits I
- ENGT 235L: Analog & Digital Circuits I Lab
- ENGT 335: Analog and Digital Circuits II
- ENGT 335L: Analog & Digital Circuits II Lab
- ENGT 365: Computer Design and Implementation
- ENGT 466: Microprocessor and Microcontroller

Subtotal: 22

**Mechanical Engineering Technology, Minor**

**Required Courses**
- ENGT 105: Computer-Aided Drafting (CAD) I
- ENGT 210: Materials and Processes
- ENGT 210L: Material and Process Lab
- ENGT 311: Applied Mechanics
- ENGT 311L: Applied Mechanics Lab
- ENGT 320: Applied Fluid Mechanics
- ENGT 370: Computer Aided Design and Manufacturing
- ENGT 386: Strength of Materials
- ENGT 420: Thermal Systems

Subtotal: 21

**DEPARTMENT OF NATURAL SCIENCES**

The Department of Natural Sciences provides a solid educational foundation in both theoretical and investigative science with an emphasis on critical.
thinking and problem-solving skills. The department prepares students for productive careers in natural sciences and entry into graduate or professional schools. The department offers three majors leading to the Bachelor of Science Degree: Bachelor of Science in Biology, Bachelor of Science in Chemistry and Bachelor of Science in Sustainability Studies (beginning Spring 2021). The department offers one major leading to the Master of Science Degree with a concentration in Biological Sciences or Biology Education.

Students have the option of selecting a minor in Comprehensive Science which prepares them to receive a Class "A" public instruction license. Students also have the option of selecting a concentration from the following:

General Biology  
Pre-medicine/Pre-dentistry  
Molecular Biology/Biotechnology  
Sustainability Studies

**PROGRAM GOALS**

Assist students in understanding basic unifying scientific principles through the provision of relevant facts, concepts, and theories;

Provide learning experiences to stimulate critical thinking and problem solving skills;

Enhance the overall educational experience of students with an interdisciplinary curriculum designed to enhance student performance on professional examinations;

Prepare students to be competitive for entry into the workforce or graduate and professional programs;

Collaborate with public school teachers, graduates, and professional institutions to broaden scientific career opportunities;

Attract, recruit, retain and produce more competitive students by enhancing program offerings and requirements to meet the global needs of the science major; and

Provide an atmosphere that will promote participation of faculty and students in professional development and community outreach activities.

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**Biology - Concentration in Comprehensive Science Licensure, B.S.**

**Curriculum**

**A. General Education Requirements (35 hours)**

The following General Education courses are required for the major.

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**B. Major Requirements (33 hours)**

* Students must obtain a minimum grade of C in all Major Core Requirements, Related Area Core Requirements and Minor Core Requirements.

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<td>BIOL 201</td>
<td>Comparative Vertebrate Anatomy</td>
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<td>BIOL 341</td>
<td>Microbiology</td>
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<td>BIOL 352</td>
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<td>BIOL 486</td>
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2. Core Electives (2 Credits)

Choose 2 credits from BIOL 300 or 400 level courses.

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**C. Related Area Requirements (16 hours)**

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**D. Concentration Requirements (27 hours)**

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**E. Free Electives (9 hours)**

Subtotal: 120
Curriculum Guide for Majors in Biology (Comprehensive Science Licensure)

**Freshman Year**

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**Junior Year**

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**Senior Year**

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<td><strong>Total Credit Hours:</strong> 120</td>
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</table>

**Second Semester**

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>EDUC 430</td>
<td>Secondary Instructional Methods (9-12)</td>
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<td></td>
<td>Free Elective</td>
<td>3</td>
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<tr>
<td></td>
<td>Biology 300-400 Elective 2</td>
<td>2</td>
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<tr>
<td>EDUC 476</td>
<td>Observation and Supervised</td>
<td>6</td>
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<tr>
<td>EDUC 495</td>
<td>Seminar in Contemporary Educational Issues</td>
<td>3</td>
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**Biology - Concentration in General Biology, B.S.**

**Curriculum**

**A. General Education Requirements (35 hours)**

The following General Education courses are required for the major.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 118</td>
<td>Precalculus</td>
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<td>CHEM 101</td>
<td>General Chemistry I</td>
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<tr>
<td>CHEM 101L</td>
<td>General Chemistry I Lab</td>
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**B. Major Requirements (60 hours)**

* Students must obtain a minimum grade of C in all Major Core Requirements, Related Area Core Requirements and Minor Core Requirements.

**1. Core Courses (31 hours)**

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>BIOL 102</td>
<td>General Biology for Majors II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 210</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 220</td>
<td>General Zoology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 301</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 301L</td>
<td>Organic Chemistry I Lab</td>
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<tr>
<td>BIOL 341</td>
<td>Microbiology</td>
<td>4</td>
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<tr>
<td>BIOL 352</td>
<td>Molecular Biology/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 181</td>
<td>General Physics I</td>
<td>3</td>
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<td>PHYS 181L</td>
<td>General Physics I Lab</td>
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<tr>
<td>EDUC 210</td>
<td>Professional Studies I: Introduction</td>
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<td></td>
<td>to Education</td>
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<td>Free Elective</td>
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**2. Core Electives (29 hours)**

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<td>Organic Evolution</td>
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<tr>
<td>BIOL 307</td>
<td>Human Physiology</td>
<td>4</td>
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<tr>
<td>BIOL 487</td>
<td>Statistical Applications in the Sciences</td>
<td>3</td>
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<tr>
<td>CHEM 302</td>
<td>Organic Chemistry II</td>
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<tr>
<td>CHEM 302L</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 401</td>
<td>Biochemistry</td>
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<td>CHEM 401L</td>
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**Select 7 hours from BIOL 300 and/or 400 level courses**

**C. Related Area Requirements (16 hours)**

<table>
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<td>CHEM 102L</td>
<td>General Chemistry II Lab</td>
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</tr>
<tr>
<td>CHEM 301</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
</tbody>
</table>
### Freshman Year

#### First Semester
- **BIOL 101** General Biology for Majors I 4
- **CHEM 101** General Chemistry I 3
- **CHEM 101L** General Chemistry I Lab 1
- **ENGL 102** Composition I 3
- **HLTH 185** Health Concepts 2
- **UNIV 110** Freshman Seminar I 1

**Physical Education Activity** 1

**Subtotal: 15**

#### Second Semester
- **BIOL 102** General Biology for Majors II 4
- **CHEM 102** General Chemistry II 3
- **CHEM 102L** General Chemistry II Lab 1
- **ENGL 103** Composition II 3
- **MATH 118** Precalculus 3
- **UNIV 120** Freshman Seminar II 1

**Subtotal: 15**

### Sophomore Year

#### First Semester
- **BIOL 210** Genetics 4
- **BIOL 220** General Zoology 4
- **CHEM 301** Organic Chemistry I 3
- **CHEM 301L** Organic Chemistry I Lab 1

**Social & Behavioral Sciences A** 3

**Subtotal: 15**

#### Second Semester
- **BIOL 221** General Botany 4
- **BIOL 341** Microbiology 4
- **CHEM 302** Organic Chemistry II 3
- **CHEM 302L** Organic Chemistry II Lab 1

**Humanities & Fine Arts (A) 1** 3

**Humanities & Fine Arts B** 2

**Subtotal: 17**

### Junior Year

#### First Semester
- **BIOL 304** Organic Evolution 3
- **CHEM 401** Biochemistry 3
- **CHEM 401L** Biochemistry Lab 1
- **BIOL 487** Statistical Applications in the Sciences 3
- **PHYS 181** General Physics I 3
- **PHYS 181L** General Physics I Lab 1

**Social & Behavioral Sciences (B) 1** 3

**Subtotal: 17**

### Second Semester

#### First Semester
- **BIOL 300** General Ecology 4
- **PHYS 182** General Physics II 3
- **PHYS 182L** General Physics II Lab 1
- **Social & Behavioral Sciences (B) 2** 3
- **Humanities & Fine Arts (A) 2** 3

**Subtotal: 14**

#### Second Semester
- **BIOL 352** Molecular Biology/Lab 4
- **BIOL 486** Scientific Communication and Capstone 3
- **Free Elective** 3

**Subtotal: 13**

**Subtotal: 120**

### Biology - Concentration in Molecular Biology/Biotechnology, B.S.

#### A. General Education Requirements (35 hours)

The following General Education courses are required for the major.

**MATH 118** Precalculus 3

**CHEM 101** General Chemistry I 3

**CHEM 101L** General Chemistry I Lab 1

#### B. Major Requirements (31 hours)

* Students must obtain a minimum grade of C in all Major Core Requirements, Related Area Core Requirements and Minor Core Requirements.

**BIOL 101** General Biology for Majors I 4

**BIOL 102** General Biology for Majors II 4

**BIOL 210** Genetics 4

**BIOL 220** General Zoology 4

**BIOL 221** General Botany 4

**BIOL 341** Microbiology 4

**BIOL 352** Molecular Biology/Lab 4

**BIOL 486** Scientific Communication and Capstone 3

**CHEM 301** Organic Chemistry I 3

**CHEM 302** Organic Chemistry II 3

**CHEM 302L** Organic Chemistry II Lab 1

**CHEM 401** Biochemistry 3

**CHEM 401L** Biochemistry Lab 1

**PHYS 181** General Physics I 3

**PHYS 181L** General Physics I Lab 1

**Social & Behavioral Sciences (B) 1** 3

**Social & Behavioral Sciences (A) 3** 3

**Subtotal: 17**

### C. Related Area Requirements (16 hours)

**CHEM 102** General Chemistry II 3

**CHEM 102L** General Chemistry II Lab 1

**CHEM 301** Organic Chemistry I 3
CHEM 301L Organic Chemistry I Lab 1
PHYS 181 General Physics I 3
PHYS 181L General Physics I Lab 1
PHYS 182 General Physics II 3
PHYS 182L General Physics II Lab 1

D. Concentration Requirements (29 hours)

BIOL 380 Cell Biology 3
BIOL 499 Biological Research 3
CHEM 302 Organic Chemistry II 3
CHEM 302L Organic Chemistry II Lab 1
CHEM 401 Biochemistry 3
CHEM 401L Biochemistry Lab 1
CSC 114 Introduction to Computer Science 3
CSC 115 Programming I 3

Select 6 hours from BIOL 300 and/or 400 level courses

E. Free Electives (9 hours)
Subtotal: 120

Curriculum Guide for Majors in Biology Molecular Biology/Biotechnology

Freshman Year

First Semester

BIOL 101 General Biology for Majors I 4
CHEM 101 General Chemistry I 3
ENGL 102 Composition I 3
HLTH 185 Health Concepts 2
UNIV 110 Freshman Seminar I 1
Physical Education Activity 1
Subtotal: 15

Second Semester

BIOL 102 General Biology for Majors II 4
CHEM 102 General Chemistry II 3
ENGL 103 Composition II 3
MATH 165 Calculus of Single Variable I 4
UNIV 120 Freshman Seminar II 1
Subtotal: 16

Sophomore Year

First Semester

BIOL 210 Genetics 4
BIOL 220 General Zoology 4
CHEM 301 Organic Chemistry I 3
CHEM 301L Organic Chemistry I Lab 1
Social & Behavioral Sciences A 3
Subtotal: 15

Second Semester

BIOL 221 General Botany 4
BIOL 341 Microbiology 4
CHEM 302 Organic Chemistry II 3
CHEM 302L Organic Chemistry II Lab 1
Humanities & Fine Arts (A) 3
Subtotal: 15

Junior Year

First Semester

BIOL 487 Statistical Applications in the Sciences 3
CHEM 401 Biochemistry 3
CHEM 401L Biochemistry Lab 1
PHYS 181 General Physics I 3
PHYS 181L General Physics I Lab 1
Social & Behavioral Sciences (B) 3
CSC 114 Introduction to Computer Science 3
Subtotal: 17

Second Semester

BIOL 352 Molecular Biology/Lab 4
PHYS 182 General Physics II 3
PHYS 181L General Physics I Lab 1
Humanities & Fine Arts (B) 3
Biology 300-400 Elective 2 2
Subtotal: 16

Senior Year

First Semester

BIOL 352 Molecular Biology/Lab 4
BIOL 499 Biological Research 3
CSC 115 Programming I 3
Humanities & Fine Arts B 2
Free Elective 3
Subtotal: 14

Second Semester

BIOL 486 Scientific Communication and Capstone 3
Biology 300-400 Elective 3 3
Free Elective 3
Free Elective 3
Subtotal: 12

Subtotal: 120

Biology - Concentration in Pre-Medicine/Pre-Dentistry, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for the major.

MATH 165 Calculus of Single Variable I 4
CHEM 101 General Chemistry I 3
CHEM 101L General Chemistry I Lab 1
PSY 212 General Psychology 3

B. Major Requirements (31 hours)

* Students must obtain a minimum grade of C in all Major Core Requirements, Related Area Core Requirements and Minor Core Requirements.

BIOL 101 General Biology for Majors I 4
BIOL 102 General Biology for Majors II 4
BIOL 210 Genetics 4
BIOL 220 General Zoology 4
BIOL 221 General Botany 4
BIOL 341 Microbiology 4
### C. Related Area Requirements (16 hours)
- **CHEM 102** General Chemistry II 3
- **CHEM 102L** General Chemistry II Lab 1
- **CHEM 301** Organic Chemistry I 3
- **CHEM 301L** Organic Chemistry I Lab 1
- **PHYS 181** General Physics I 3
- **PHYS 181L** General Physics I Lab 1
- **PHYS 182** General Physics II 3
- **PHYS 182L** General Physics II Lab 1

### D. Concentration Requirements (28 hours)
- **BIOL 306** Human Anatomy 4
- **BIOL 307** Human Physiology 4
- **BIOL 380** Cell Biology 3
- **BIOL 487** Statistical Applications in the Sciences 3
- **CHEM 302** Organic Chemistry II 3
- **CHEM 302L** Organic Chemistry II Lab 1
- **PHYS 181** General Physics I 3
- **PHYS 181L** General Physics I Lab 1
- **PSY 212** General Psychology 3

Select 6 hours from BIOL 300 and/or 400 level courses

### E. Free Electives (10 hours)
Subtotal: 120

Curriculum Guide for Majors in Biology Pre-Medicine/Pre-Dentistry

**Freshman Year**

**First Semester**
- **BIOL 101** General Biology for Majors I 4
- **CHEM 101** General Chemistry I 3
- **CHEM 101L** General Chemistry I Lab 1
- **ENGL 102** Composition I 3
- **HLTH 185** Health Concepts 2
- **UNIV 110** Freshman Seminar I 1
- **UNIV 120** Physical Education Activity 1

Subtotal: 15

**Second Semester**
- **BIOL 102** General Biology for Majors II 4
- **CHEM 102** General Chemistry II 3
- **CHEM 102L** General Chemistry II Lab 1
- **ENGL 103** Composition II 3
- **MATH 165** Calculus of Single Variable I 4
- **UNIV 120** Freshman Seminar II 1

Subtotal: 16

**Sophomore Year**

**First Semester**
- **BIOL 210** Genetics 4
- **BIOL 220** General Zoology 4
- **CHEM 301** Organic Chemistry I 3
- **CHEM 301L** Organic Chemistry I Lab 1
- **Social & Behavioral Sciences A 3**

Subtotal: 15

### Second Semester
- **BIOL 221** General Botany 4
- **BIOL 341** Microbiology 4
- **CHEM 302** Organic Chemistry II 3
- **CHEM 302L** Organic Chemistry II Lab 1
- **Humanities & Fine Arts (A) 1 3**

Subtotal: 15

**Junior Year**

**First Semester**
- **BIOL 306** Human Anatomy 4
- **BIOL 487** Statistical Applications in the Sciences 3
- **CHEM 401** Biochemistry 3
- **CHEM 401L** Biochemistry Lab 1
- **PHYS 181** General Physics I 3
- **PHYS 181L** General Physics I Lab 1
- **PSY 212** General Psychology 3

Subtotal: 18

**Second Semester**
- **BIOL 307** Human Physiology 4
- **BIOL 352** Molecular Biology/Lab 4
- **PHYS 182** General Physics II 3
- **PHYS 182L** General Physics II Lab 1
- **Social & Behavioral Sciences (B) 1 3**

Subtotal: 15

**Senior Year**

**First Semester**
- **BIOL 380** Cell Biology 3
- **Humanities & Fine Arts B 2**
- **Humanities & Fine Arts (A) 2 3**
- **Free Elective 3**
- **Free Elective 3**

Subtotal: 14

**Second Semester**
- **BIOL 486** Scientific Communication and Capstone 3
- **Biology 300-400 Elective 3 3**
- **Biology 300-400 Elective 3 3**
- **Free Elective 3**

Subtotal: 12

Subtotal: 120

### Academic Concentration: Biology

**Curriculum**

**Required Courses**
- **BIOL 101** General Biology for Majors I 4
- **BIOL 102** General Biology for Majors II 4
- **BIOL 306** Human Anatomy 4
- **BIOL 307** Human Physiology 4
- **BIOL 341** Microbiology 4
- **BIOL 380** Cell Biology 3
- **BIOL 210** Genetics 4
- **BIOL 300** General Ecology 4

Subtotal: 31
Chemistry, B.S.

Curriculum

A. General Education Requirements (35 hours)

The following General Education courses are required for the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHEM 101</td>
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<td>General Chemistry I Lab</td>
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<td>SPCH 200</td>
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B. Major Requirements (52 hours)

1. Core Courses (45 hours)

<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>CHEM 200</td>
<td>Additional Topics in General Chemistry</td>
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<tr>
<td>CHEM 203</td>
<td>Quantitative Analysis/Lab</td>
<td>4</td>
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<td>CHEM 205</td>
<td>Inorganic Chemistry/Lab</td>
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<td>CHEM 301</td>
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<td>Organic Chemistry I Lab</td>
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<td>CHEM 302</td>
<td>Organic Chemistry II</td>
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<td>CHEM 406</td>
<td>Instrumental Methods of Chemical Analysis/Lab</td>
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<td>Selected Topics in Organic Chemistry</td>
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<td>CHEM 450</td>
<td>Chemistry: An Integrated Approach</td>
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<td>CHEM 499</td>
<td>Chemical Research</td>
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2. Core Electives (7 hours)

Select 7 hours from the courses listed below:

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<td>Biochemistry Lab</td>
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<td>CHEM 404</td>
<td>Physical Chemistry II</td>
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<td>CHEM 404L</td>
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<td>CHEM 407</td>
<td>Applied Biochemistry</td>
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<td>CHEM 430</td>
<td>Introduction to Medicinal Chemistry</td>
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<td>CHEM 435</td>
<td>Special Topics In Physical Chemistry</td>
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C. Related Area Requirements (24 hours)

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<td>PHYS 191</td>
<td>University Physics I</td>
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<td>PHYS 181L</td>
<td>General Physics I Lab</td>
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<td>PHYS 192</td>
<td>University Physics II</td>
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<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
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<td>MATH 265</td>
<td>Calculus of Single Variable II</td>
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D. Concentration Requirements (0 hours)

E. Free Electives (9 hours)

Subtotal: 120

Curriculum Guide for Major in Chemistry

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHEM 101</td>
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<td>CHEM 101L</td>
<td>General Chemistry I Lab</td>
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<tr>
<td>ENGL 102</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>UNIV 110</td>
<td>Freshman Seminar I</td>
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<tr>
<td>HLTH 185</td>
<td>Health Concepts</td>
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Subtotal: 15

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tr>
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<td>CHEM 102L</td>
<td>General Chemistry II Lab</td>
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</tr>
<tr>
<td>ENGL 103</td>
<td>Composition II</td>
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</tr>
<tr>
<td>MATH 165</td>
<td>Calculus of Single Variable I</td>
<td>4</td>
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<tr>
<td>UNIV 120</td>
<td>Freshman Seminar II</td>
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<tr>
<td>SOCIAL 10</td>
<td>Social &amp; Behavioral Sciences A</td>
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Subtotal: 15

Sophomore Year

First Semester

<table>
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<tbody>
<tr>
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<tr>
<td>BIOL 101</td>
<td>General Biology for Majors I</td>
<td>4</td>
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<td>ENGL 101</td>
<td>World Literature I</td>
<td>3</td>
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<tr>
<td>MATH 265</td>
<td>Calculus of Single Variable II</td>
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<tr>
<td>PHYS 182L</td>
<td>General Physics II Lab</td>
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Subtotal: 15

Second Semester

<table>
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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
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<td>BIO 102</td>
<td>General Biology for Majors II</td>
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<td>SOCIAL 10</td>
<td>Social &amp; Behavioral Sciences (B) 1</td>
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Subtotal: 17

Junior Year

First Semester

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Second Semester

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Subtotal: 15

Senior Year

First Semester

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**Sustainability Studies - Concentration in Behavioral Health, B.S.**

**Curriculum**

**A. General Education Requirements (35 hours)***

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<td>PSY 212</td>
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<td>BIOL 102</td>
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*Student completes biology comprehensive science degree but must complete the minor in secondary education which includes student teaching for licensure. Free electives will be prescribed secondary education minor courses.

**E. Free Electives (10 hours)**

Curriculum Guide for Majors in Sustainability Studies (Sustainability Entrepreneurship)

**Freshman Year**

**First Semester**

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**Second Semester**

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**Sophomore Year**

**First Semester**

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**Second Semester**

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**Junior Year**

**First Semester**

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**Second Semester**

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### Senior Year
#### First Semester
- **SUST 300** | Ecology of Sustainability | 4
- **BIOL 304** | Organic Evolution | 3
- Free Elective | 3
- Free Electives | 4
- **Subtotal:** 14

#### Second Semester
- **SUST 400** | Sustainability Project Management | 6
- **ENSC 440** | Global Environmental Issues Seminar | 3
- Concentration Elective | 3
- Free Elective | 3
- **Subtotal:** 15

### Concentration Electives
- Sustainability Studies - Sustainability
- Entrepreneurship Concentration Electives:
  - Select from the following courses:
    - PHS 110 - Intro to Public Health
    - PHS 310 - Environmental Health and Sanitation
    - PHS 322 - Principles of Epidemiology
    - PSY 250 - Developmental Psychology
    - PSY 260 - Psychology of Adjustment
    - PSY 340 - Psychology of Cultural Diversity
    - PSY 410 - Industrial/Organizational Psychology
    - SOC 202 - Social Problems
- **Total Credit Hours:** 120

### Sustainability Studies - Concentration in Environmental Technology, B.S.

#### Curriculum

##### A. General Education Requirements (35 hours)
- **CHEM 101** | General Chemistry I | 3
- **CHEM 101L** | General Chemistry I Lab | 1
- **MATH 118** | Precalculus | 3

##### B. Major Requirements (31 hours)
- **BIOL 101** | General Biology for Majors I | 4
- **BIOL 102** | General Biology for Majors II | 4
- **SUST 100** | Introduction to Sustainability | 3
- **SUST 200** | Global Solutions for Sustainability | 3
- **SUST 300** | Ecology of Sustainability | 4
- **SUST 400** | Sustainability Project Management | 6
- **ENSC 101** | General Environmental Science | 3
- **ENSC 101L** | General Environmental Science Laboratory | 1
- **ENSC 440** | Global Environmental Issues Seminar | 3

##### C. Related Requirements (23 hours)
- **BIOL 300** | General Ecology | 4
- **BIOL 304** | Organic Evolution | 3
- **CHEM 102** | General Chemistry II | 3
- **CHEM 102L** | General Chemistry II Lab | 1
- **CHEM 301** | Organic Chemistry I | 3
- **CHEM 301L** | Organic Chemistry I Lab | 1
- **MATH 165** | Calculus of Single Variable I | 4
- **PHYS 181** | General Physics I | 3
- **PHYS 181L** | General Physics I Lab | 1

##### D Concentration Requirements 21 hours
- **BIOL 350** | Introduction to Experimental Methods | 3
- **BIOL 394** | Biodiversity | 3
- **BIOL 460** | Advanced Experimental Methods | 4
- **BIOL 496** | Science and Human Values | 1 or 2
- **ENGT 200** | Introduction to Renewable Energy Technologies | 3
- **ENGT 210** | Materials and Processes | 3
- **ENGT 250** | Introduction to Wind and Hydro Power Systems | 3
- **ENGT 300** | Solar Photovoltaic Systems | 3
- **GEOL 360** | Principles of Geographic Information System (GIS) | 4
- **GEOL 365** | Introduction to Remote Sensing and Digital Image Processing | 4
- **GEOL 461** | Advanced Geographic Information System | 4

##### E. Electives (10 hours)

### Freshman Year

#### First Semester
- **BIOL 101** | General Biology for Majors I | 4
- **CHEM 101** | General Chemistry I | 3
- **CHEM 101L** | General Chemistry I Lab | 1
- **ENGL 102** | Composition I | 3
- **MATH 118** | Precalculus | 3
- **UNIV 110** | Freshman Seminar I | 1
- **SUBTOTAL:** 15

#### Second Semester
- **BIOL 102** | General Biology for Majors II | 4
- **CHEM 102** | General Chemistry II | 3
- **CHEM 102L** | General Chemistry II Lab | 1
- **ENGL 103** | Composition II | 3
- **MATH 118** | Precalculus | 3
- **UNIV 120** | Freshman Seminar II | 1
- **SUBTOTAL:** 15

### Sophomore Year

#### First Semester
- **CHEM 301** | Organic Chemistry I | 3
- **CHEM 301L** | Organic Chemistry I Lab | 1
- **SUST 100** | Introduction to Sustainability | 3
- **ENSC 101** | General Environmental Science | 3
- **ENSC 101L** | General Environmental Science Laboratory | 1
- **MATH 165** | Calculus of Single Variable I | 4
- **SUBTOTAL:** 15
### Second Semester
- **SUST 200** Global Solutions for Sustainability 3
- Social & Behavioral Sciences A 3
- Humanities & Fine Arts (A) 1 3
- Concentration Elective 3
- Concentration Elective 3

**Subtotal:** 15

### Junior Year

#### First Semester
- Humanities & Fine Arts B 2
- Concentration Elective 3
- **PHYS 181** General Physics I 3
- **PHYS 181L** General Physics I Lab 1
- Social & Behavioral Sciences (B) 1 3
- Humanities & Fine Arts (A) 2 3

**Subtotal:** 15

#### Second Semester
- **BIOL 300** General Ecology 4
- Concentration Elective 3
- Concentration Elective 3
- Concentration Elective 3
- Social & Behavioral Sciences (B) 2 3

**Subtotal:** 15

### Senior Year

#### First Semester
- **SUST 300** Ecology of Sustainability 4
- **BIOL 304** Organic Evolution 3
- Free Elective 3
- Free Electives 4

**Subtotal:** 14

#### Second Semester
- **SUST 400** Sustainability Project Management 6
- **ENSC 440** Global Environmental Issues Seminar 3
- Concentration Elective 3
- Free Elective 3

**Subtotal:** 15

### Concentration Electives

**Sustainability Studies - Sustainability Entrepreneurship Concentration Electives:**
- Select from the following courses:
  - **BIOL 350** - Intro to Experimental Methods
  - **BIOL 394** - Biodiversity
  - **BIOL 460** - Advanced Experimental Methods
  - **BIOL 496** - Science and Human Values
  - **ENGT 200** - Intro to Renewable Energy Technologies
  - **ENGT 210** - Materials and Processes
  - **ENGT 250** - Intro to Wind and Hydro Power Systems
  - **ENGT 300** - Solar Photovoltaic Systems
  - **GEOL 360** - Principles of GIS
  - **GEOL 365** - Intro to Remote Sensing and Digital Image Processing
  - **GEOL 461** - Advanced GIS

**Total Credit Hours:** 120

**Sustainability Studies - Concentration in Sustainability Entrepreneurship, B.S.**

### Curriculum

**A. General Education Requirements (35 hours)**
- **CHEM 101** General Chemistry I 3
- **CHEM 101L** General Chemistry I Lab 1
- **MATH 118** Pre-Calculus 3

**B. Major Requirements (31 hours)**
- **BIOL 101** General Biology for Majors I 4
- **BIOL 102** General Biology for Majors II 4
- **SUST 100** Introduction to Sustainability 3
- **SUST 200** Global Solutions for Sustainability 3
- **SUST 300** Ecology of Sustainability 4
- **SUST 400** Sustainability Project Management 6
- **ENSC 101** General Environmental Science 3
- **ENSC 101L** General Environmental Science Laboratory 1
- **ENSC 440** Global Environmental Issues Seminar 3

**C. Related Requirements (23 hours)**
- **BIOL 300** General Ecology 4
- **BIOL 304** Organic Evolution 3
- **CHEM 102** General Chemistry II 3
- **CHEM 102L** General Chemistry II Lab 1
- **CHEM 301** Organic Chemistry I 3
- **CHEM 301L** Organic Chemistry I Lab 1
- **MATH 165** Calculus of Single Variable I 4
- **PHYS 181** General Physics I 3
- **PHYS 181L** General Physics I Lab 1

**D. Concentration Requirements (21 hours)**

#### D1. Concentration Core (3 hours)
- **BUAD 115** Introduction to Business 3

#### D2. Concentration Electives (18 hours)
- Please select 18 hours from the courses below.
  - **ACCT 210** Financial Accounting 3
  - **BFIN 210** Personal Finance Management 3
  - **BUAD 200** Business Communication 3
  - **BUAD 241** Business Law 3
  - **BUAD 322** Entrepreneurship 3
  - **ECON 201** Principles of Economics I 3
  - **ECON 202** Principles of Economics II 3
  - **MRKT 231** Principles of Marketing 3

**E. Electives (10 hours)**

**Curriculum Guide for Majors in Sustainability Studies (Sustainability Entrepreneurship)**

### Freshman Year

#### First Semester
- **BIOL 101** General Biology for Majors I 4
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<td>Composition II</td>
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<tr>
<td>MATH 118</td>
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<tr>
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<tr>
<td>CHEM 301</td>
<td>Organic Chemistry I</td>
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<tr>
<td>SUST 100</td>
<td>Introduction to Sustainability</td>
<td>3</td>
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<tr>
<td>ENSC 101</td>
<td>General Environmental Science</td>
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<td>SUST 200</td>
<td>Global Solutions for Sustainability</td>
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<td>PHYS 181</td>
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<td></td>
<td>Social &amp; Behavioral Sciences (B) I</td>
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<td>Humanities &amp; Fine Arts (A) 2</td>
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<td><strong>Second Semester</strong></td>
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<td>BIOL 300</td>
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<tr>
<td></td>
<td>Concentration Elective</td>
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<td></td>
<td>Social &amp; Behavioral Sciences (B) 2</td>
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<td>SUST 300</td>
<td>Ecology of Sustainability</td>
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<tr>
<td>BIOL 304</td>
<td>Organic Evolution</td>
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<td>Free Elective</td>
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<td>Free Electives</td>
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<td><strong>Second Semester</strong></td>
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<td>SUST 400</td>
<td>Sustainability Project Management</td>
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<td>ENSC 440</td>
<td>Global Environmental Issues</td>
<td>3</td>
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<td><strong>Subtotal:</strong></td>
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<td></td>
<td><strong>Concentration Electives</strong></td>
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<td></td>
<td>Sustainability Studies - Sustainability Electives:</td>
<td></td>
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<tr>
<td></td>
<td>Entrepreneurship Electives:</td>
<td></td>
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<td><strong>Subtotal:</strong></td>
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<td><strong>Total Credit Hours:</strong></td>
<td><strong>120</strong></td>
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</table>

**Biology, Minor Curriculum**

**Minor Electives I**

Select any BIOL 300/400 level course with a lab.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 101</td>
<td>General Biology for Majors I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 102</td>
<td>General Biology for Majors II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Minor Elective II**

Select two courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 220</td>
<td>General Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 221</td>
<td>General Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 210</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 341</td>
<td>Microbiology</td>
<td>4</td>
</tr>
</tbody>
</table>

Subtotal: 20

**Chemistry, Minor Curriculum**

**Minor Core Courses - 16 hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 101</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 101L</td>
<td>General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 102L</td>
<td>General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 301</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 301L</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 302</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 302L</td>
<td>Organic Chemistry II Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

**Minor Core Electives - 4 credits**

Select One Course From The Following 4 hours:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CHEM 401  Biochemistry  3
CHEM 401L Biochemistry Lab  1
or
CHEM 403  Physical Chemistry I  3
CHEM 403L Physical Chemistry I Lab  1
Subtotal: 20

GIS/Remote Sensing, Minor

Curriculum

**Required Courses**

- CSC 115  Programming I  3
- GEOG 221  Cartographic Principles  3
- GEOL 332  Geomorphology  3
- GEOL 360  Principles of Geographic Information System (GIS)  4
- GEOL 365  Introduction to Remote Sensing and Digital Image Processing  4
- GEOL 461  Advanced Geographic Information System  4

Subtotal: 21
## COURSE DESCRIPTIONS

### COURSE ABBREVIATIONS

Elizabeth City State University has established a set of standardized abbreviations for its departments and courses. These abbreviations should be used in making out class schedule forms and at all times when referring to specific course offerings.

### SYSTEM OF COURSE NUMBERS

Each course is defined by a Course Abbreviation and a number. The number of each course has three digits. The first digit indicates the classification level. The second and the third digit distinguish the course from other courses in the classification. The parentheses following the course name represent the number of credits being given for the course and the term(s) when it is offered. Courses marked with an asterisk (*) are required courses.

**Example:**

**ART (Art)** 130 *(First Level Classification): Art Appreciation (Title of Course) (2) (Credits) (F; S; SS) (Course offered Fall, Spring, Summer).**

### ABBREVIATIONS & CORRESPONDING DEPARTMENTS

The following chart represents the courses offered in relation to their Departments:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Course Description</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT</td>
<td>Accounting</td>
<td>Department of Business, Accounting and Sports Management</td>
</tr>
<tr>
<td>ART</td>
<td>Art</td>
<td>Department of Music and Visual Arts</td>
</tr>
<tr>
<td>ARTH</td>
<td>Art History</td>
<td>Department of Music and Visual Arts</td>
</tr>
<tr>
<td>ATC</td>
<td>Air Traffic Control</td>
<td>Department of Aviation and Emergency Management</td>
</tr>
<tr>
<td>AVI</td>
<td>Aviation Science</td>
<td>Department of Aviation and Emergency Management</td>
</tr>
<tr>
<td>AVNC</td>
<td>Avionics</td>
<td>Department of Aviation and Emergency Management</td>
</tr>
<tr>
<td>BFIN</td>
<td>Banking and Finance</td>
<td>Department of Business, Accounting and Sports Management</td>
</tr>
<tr>
<td>BIOL</td>
<td>Biology</td>
<td>Department of Natural Sciences</td>
</tr>
<tr>
<td>BKED</td>
<td>Birth-Kindergarten Educ.</td>
<td>Department of Education</td>
</tr>
<tr>
<td>BMIS</td>
<td>Management Information</td>
<td>Department of Business, Accounting and Sports Management</td>
</tr>
<tr>
<td>BTEC</td>
<td>Biotechnology</td>
<td>Department of Natural Sciences</td>
</tr>
<tr>
<td>BUAD</td>
<td>Business Administration</td>
<td>Department of Business, Accounting and Sports Management</td>
</tr>
<tr>
<td>CHEM</td>
<td>Chemistry</td>
<td>Department of Natural Sciences</td>
</tr>
<tr>
<td>CJ</td>
<td>Criminal Justice</td>
<td>Department of Social Sciences</td>
</tr>
<tr>
<td>CONT</td>
<td>Continuing Education</td>
<td>Department of Education</td>
</tr>
<tr>
<td>CSC</td>
<td>Computer and Information Science</td>
<td>Department of Mathematics, Computer</td>
</tr>
<tr>
<td>Code</td>
<td>Department</td>
<td>Course</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------</td>
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</tr>
<tr>
<td>DGM</td>
<td>Department of Digital Media Arts</td>
<td>Digital Media Arts</td>
</tr>
<tr>
<td>ECON</td>
<td>Department of Business, Accounting and Sports Management</td>
<td>Economics</td>
</tr>
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<td>EDUC</td>
<td>Department of Education</td>
<td>Education</td>
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<tr>
<td>ELEM</td>
<td>Department of Education</td>
<td>Elementary Education</td>
</tr>
<tr>
<td>ENGL</td>
<td>Department of English and Digital Media</td>
<td>English</td>
</tr>
<tr>
<td>ENGT</td>
<td>Department of Mathematics, Computer Science and Engineering Technology</td>
<td>Engineering Technology</td>
</tr>
<tr>
<td>ENSC</td>
<td>Department of Natural Sciences</td>
<td>Environmental Science</td>
</tr>
<tr>
<td>FL</td>
<td>Department of English and Digital Media</td>
<td>Foreign Language</td>
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<td>Department of Aviation and Emergency Management</td>
<td>Flight</td>
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<td>FREN</td>
<td>Department of English and Digital Media</td>
<td>French</td>
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<td>GEOG</td>
<td>Department of Social Sciences</td>
<td>Geography</td>
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<tr>
<td>Code</td>
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<td>Department</td>
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<td>------</td>
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<tr>
<td>MECT</td>
<td>Mechanical Technology</td>
<td>Department of Mathematics, Computer Science and Engineering Technology</td>
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<td>MIS</td>
<td>Military Science</td>
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<td>MNGT</td>
<td>Management</td>
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<td>Department of Business, Accounting and Sports Management</td>
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<td>MUS</td>
<td>Music</td>
<td>Department of Music and Visual Arts</td>
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<td>MUSA</td>
<td>Applied Music</td>
<td>Department of Music and Visual Arts</td>
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<td>PAD</td>
<td>Public Administration</td>
<td>Department of Social Sciences</td>
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<td>PE</td>
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<td>PESM</td>
<td>Sports Management</td>
<td>Department of Business, Accounting and Sports Management</td>
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<tr>
<td>PHIL</td>
<td>Philosophy</td>
<td>Department of Social Sciences</td>
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<td>PFIN</td>
<td>Retirement Planning</td>
<td>Department of Business, Accounting and Sports Management</td>
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<td>PHIS</td>
<td>Public History</td>
<td>Department of Social Sciences</td>
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<td>Public Health</td>
<td>Department of Health and Human Services</td>
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<td>PHSC</td>
<td>Pharmaceutical Science</td>
<td>Department of Health and Human Services</td>
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<td>PHYS</td>
<td>Physics</td>
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<td>Psychology</td>
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<td>Reading</td>
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<td>Speech</td>
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<td>STAT</td>
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**TERMS**

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<th>Term</th>
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<tr>
<td>F</td>
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**OTHER ABBREVIATIONS USED BY DEPARTMENTS AND IN COURSE DESCRIPTIONS:**

- **30-40** — Section Numbers for Extended Day / Weekend Program
- **51-52** — North Carolina Model Teacher Education Consortium
- **CE** — Continuing Education
- **DL** — Distance Learning
- **H** — Honors
- **M** — Military Science
- **S** — Language Arts Section for Special Programs
- **QRS** — Restricted Enrollment
- **PDP** — Departmental Permission Required
- **S/C** — Language Arts Sections for Special Program/Conference
- **CRDT** — Credit
- **HR** — Hour
- **SEC** — Section
- **BLDG** — Building
- **LAB** — Laboratory
- **LEC** — Lecture
- **SEM** — Semester
- **NFR** — New Freshman
- **FR** — Freshman
- **SO** — Sophomore
- **JR** — Junior
- **SR** — Senior
- **SDG** — Second Degree Graduate
- **SPU** — Special Undergraduate
- **SPG** — Admitted Graduate
- **CER** — Certification
- **LIC** — Licensure Only
- **TS** — Transient Student
- **GR** — Graduate
- **NG** — Non-matriculating Graduate

**Prerequisite Courses** — Courses beyond the freshman year usually have "prerequisites." This means that certain courses must be taken before the student can register for the advanced course. The prerequisite may also require "consent of the department chair." The student must secure the permission from the above person(s) before he or she registers for the advanced course. "Consent of the department chair" is usually required for courses in which there is limited laboratory space and/or equipment, or in which specific skills and aptitudes are required.

**Co-requisite Courses** — This means that certain courses must be taken at the same time.

Each student is advised to obtain a copy of the Handbook from his or her major department. The handbook will provide information about the courses students must take and the entrance and exit requirements for them.

**ACCT - ACCOUNTING COURSE DESCRIPTIONS**

**ACCT 101 - Accounting for Non-business Majors (3)**

Introduces non-business majors to the role of business in society and the principles and theories of accounting, including the preparation and use of financial statements; other topics covered: accounting
for cash and receivables, fixed assets, payrolls, financial statement analysis, elements of cost, decision-making, and cost-volume-profit analysis.

Prerequisite: None. Offered: F.

**ACCT 210 - Financial Accounting (3)**

This introductory course for the accounting degree program presents the basic framework of accounting to all students majoring in accountancy. It exposes accounting students to underlying accounting concepts and constraints, and it helps them prepare financial records, financial statements, and analyses of major financial statements. Must be taken by all accounting majors.

Prerequisite: BUAD 115 with C or higher. Offered: F, S, SS.

**ACCT 220 - Managerial Accounting (3)**

Introduces accounting information that aids managers in planning, controlling, decision-making, and performance evaluation. Some topics are cost classification and behavior, product costing, cost-volume-profit analysis, relevant cost, cost and benefit analysis, and budgeting.

Prerequisite: ACCT 210 with a C or higher. Offered: F, S, SS.

**ACCT 321 - Intermediate Accounting I (3)**

The foundation course for financial reporting and accounting data analytics. It discusses the conceptual framework, the regulatory environment, ethical issues, international issues, and behavioral aspects of accounting. Introduction to accounting data analytics, accounting cycle review, and analysis of the concept and presentation of financial statements are also included.

Prerequisite: ACCT 210 with a C or higher. Offered: F, S, SS.

**ACCT 322 - Intermediate Accounting II (3)**

This course continues the coverage of the content and presentation of financial statements that are issued by corporations. Topics covered are relatively more complex and more detailed.

Prerequisite: ACCT 321 with a C or higher. Offered: Spring.

**ACCT 323 - Intermediate Accounting III (3)**

The final course in the intermediate accounting series. It covers more complex topics such as accounting for leases, accounting for taxes, and derivatives.

Prerequisite: ACCT 322 with a C or higher. Offered: Fall.

**ACCT 335 - Federal Income Taxation (3)**

Introduction to federal taxes on income. Topics include preparation of income tax returns for individuals, statutory concepts of income, capital gains and losses, basis of property, sales and exchanges, and taxation of retirement annuities.

Prerequisite: ACCT 210 with a C or higher. Offered: F.

**ACCT 398 - Special Topics in Accounting (3)**

Topics of special interest to business students may be offered, or topics requested by a group of students for a specific course not otherwise available. The students conduct a study of these topics as business electives.

Prerequisite: Junior standing, permission of the instructor, and written consent of the department chair.

**ACCT 421 - Cost Accounting (3)**

This course covers fundamental topics under cost measurement, cost management, planning, and performance measurement. Some topics are product costing, activity-based costing and management, cost-volume-profit analysis, standard costing, budgeting and variance analysis, relevant costs and benefits analysis, and value-chain analysis.

Prerequisite: ACCT 321 with a C or higher. Offered: F.

**ACCT 425 - Financial Auditing (3)**

This course focuses on the audit of financial statements, including the need and importance of auditing, standards, concepts, procedures, and ethical or legal frameworks for the code of professional conduct by auditors. It incorporates data analytics in auditing related to discovering and analyzing patterns through anomalies analysis, modeling, and visualization.

Prerequisite: ACCT 322 with a C or higher. Offered: S.
ACCT 431 - Advanced Financial Accounting (3)
Covers various specialized areas of accounting, including consolidated financial statements, partnerships, and limited liability companies.
Prerequisite: ACCT 322 with a C or higher. Offered: S.

ACCT 435 - Entities Taxation (3)
Building on the principles of individual income taxation, this course addresses the federal approach to taxing for-profit entities, including partnerships, corporations, and trusts. Topics include "flow-through" taxation, the separate legal entities doctrine, and "either/or" taxation. The course concludes with an introduction to the unified federal estate and gift tax.
Prerequisite: ACCT 335 with a C or higher. Offered: S.

ACCT 440 - Accounting Information Systems (3)
The Accounting Information Systems lays emphasis on information, communication, accounting data analytics, and networking technology within the context of transaction cycles and internal control structure. It examines the role of AIS in e-commerce, enterprise software, and emphasizes data analytics concepts and techniques.
Prerequisite: ACCT 321 and BMIS 380, each with a C or higher. Offered: F.

ACCT 451 - Government and Not-For-Profit Accounting (3)
Comprehensive study of fund accounting theory and concepts used in the financial accounting, budgeting, control, and reporting for governmental and nonprofit organizations. This course includes the standards and regulations applicable to local government units, universities, hospitals, and other nonprofit entities.
Prerequisite: ACCT 321 with a C or higher. Offered: Odd Fall.

ACCT 460 - Forensic Accounting (3)
Application of accounting methods and financial techniques to assist in solving economic-based crimes. Includes discussion of criminal statutes relating to financial crimes, fraud investigation and prevention, techniques used in solving financial crimes, interviewing, rules of evidence, sources of information, forensic accounting procedures, and current issues in financial investigations.
Prerequisite: ACCT 321 with a C or higher. Offered: Even Fall.

ART - ART COURSE DESCRIPTIONS

ART 100 - Art Foundations (3)
This course provides all majors in art disciplines a foundation in art history, aesthetics, two dimensional design, and color theory. Students will apply these principles and concepts toward solving projects that address specific design problems. Five contact hours.
Prerequisite: No Prerequisite. Offered: F.

ART 101 - Introduction to Media Arts (3)
An introductory course that builds upon an understanding of fundamental visual & audio concepts for communicating information. Introduction to computer literacy using industry standard software and hardware. Five contact hours.
Prerequisite: ART 100. Offered: S.

ART 102 - Drawing I (3)
An introductory course that teaches basic drawing skills and techniques emphasizing direct observation of organic and geometric still life subjects. The primary goals are to learn and visually define in a compositional space, correct proportion, form, space, and depth. Five contact hours.
Prerequisite: No Prerequisite. Offered: F; S.

ART 103 - Drawing II (3)
An intermediate course that further develops the skill and techniques of Drawing I. This course introduces the application of design elements and principles through direct observation of still life, architectural elements, and the human form. Students are introduced to a range of drawing materials, techniques, color application, and wet media. Five contact hours.
Prerequisite: No Prerequisite. Offered: F; S.

ART 104 - Drawing III (3)
An introductory course that further develops the skill and techniques of Drawing I. This course introduces the application of design elements and principles through direct observation of still life, architectural elements, and the human form. Students are introduced to a range of drawing materials, techniques, color application, and wet media. Five contact hours.
Prerequisite: ART 102. Offered: F; S.

ART 111 - Three-Dimensional Design (3)
This course is an introduction to principles of three-dimensional design in real and digital/virtual space.
Prerequisite: ART 100. Offered: F.
ART 130 - Art Appreciation (2)
Analysis of selected examples of major art works. Gives students an understanding of the purposes and historical roles of the visual arts in Western and Non-Western cultures.
Offered: F, S, SS.

ART 201 - Visual Information Architecture (3)
An intermediate course that applies fundamental visual concepts to professional applications. Students develop an understanding of the communication model and approaches to visual problem-solving skills. Course includes production techniques in computer graphics. Five contact hours.
Prerequisite: ART 101. Offered: F.

ART 202 - Branding and Packaging Design (3)
This course places an emphasis on visual problem solving as it relates to Branding and Package Design, including logo design, brand building, print layout, three dimensional construction and surface.
Prerequisite: ART 201. Offered: S.

ART 210 - Typography I (3)
This is an introductory course, which develops a fundamental understanding of typographic organization through the exploration of assigned studies and professional applications. Five contact hours. Prerequisite: ART 101 Graphic Design Majors Only
Prerequisite: Graphic Design Majors Only. Offered: F.

ART 220 - Painting I (3)
A basic studio instruction in the craft, techniques and philosophy of painting. Emphasis is placed on learning composition, color, brush manipulation, use of media and stretching canvases.
Prerequisite: ART 100 or permission of instructor. Offered: F.

ART 221 - Painting II (3)
An intermediate level studio course that encourages critical self-assessment through analytical critiques, discussions, and writing assignments. Emphasis is on the development of a personal style and the study of historical masterworks. Five contact hours.
Prerequisite: ART 220. Offered: S.

ART 230 - Sculpture I (3)
This course is an introduction to the fundamentals of physical and digital sculpture and modeling. Five contact hours. Prerequisite: ART 100
Prerequisite: ART 100. Offered: F.

ART 231 - Sculpture II (3)
This course will expand on skills and knowledge gained in ART 230. Studio experiences in a broader range of media, techniques, and concepts will be emphasized. This course addresses processes for working in the construction and fabrication methods. Five contact hours.
Prerequisite: ART 101 or written consent of the instructor. Offered: S.

ART 260 - Printmaking I (3)
An introduction to the processes, materials, and equipment of traditional printmaking, with equal emphasis on concept and technique. Students are introduced to a variety of print media and methods, such as monotype, relief, and intaglio printing processes. Five contact hours.
Prerequisite: ART 100, ART 103. Offered: F.

ART 301 - Interactive Design (3)
Internet design course. Students develop design briefs for project planning, usability, and visual communication. Assignments include the design of interfaces, navigation, simple motion graphics, and websites. Open to Graphic Design majors only. Five contact hours.
Prerequisite: ART 202. Offered: F.

ART 302 - Visual Systems (3)
Advanced design problems with increased complexity and scope. Assignments will employ the use of visual systems and strengthen the sophistication of imagery and form used in the design solution. Open to Graphic Design majors only. Five contact hours. Prerequisite: ART 301.
Prerequisite: ART 301. Offered: S.

ART 310 - Typography II (3)
Advanced exploration of typographic organization used in diagrams, charts, and graphs to translate data into images with understandable visual meaning. Open to Graphic Design Majors Only.
Prerequisite: ART 210. Offered: F.
ART 333 - Imaging I (3)
An exploration of the media, techniques and trade practices of modern illustration, including an introduction to digital illustration and 2D animation. Five contact hours.
Prerequisite: ART 100, ART 101, ART 103.

ART 340 - Photography I (3)
An introductory course in film & digital photography, which will cover technical information about cameras, lenses, printing, cataloging processes, image production, editing, and workflow practices. Students will also learn the foundations of composition for various genres of photography. Students will need access to a SLR and DSLR cameras. Five contact hours.
Prerequisite: ART 101. Offered: F; S; SS.

ART 341 - Photography II (3)
An intermediate course in Photography with an emphasis on digital media. The use of photography as a multi-media tool to communicate visual meaning. Five contact hours.
Prerequisite: ART 340. Offered: F; S; SS.

ART 345 - Film Theory and Production (3)
An introductory course which investigates the history and techniques of film-making as an art form. Students design, produce, and edit their original videos as a component of this course.
Prerequisite: No Prerequisite. Offered: S.

ART 350 - Ceramics I (3)
An introduction to clay and clay bodies. Students become familiar with the nature of clay, its limitations and possibilities. Emphasis is on a variety of hand building techniques. Contemporary models will be referenced. Five contact hours.
Prerequisite: ART 101 or written consent of the instructor. Offered: F.

ART 351 - Ceramics II (3)
An introduction to the creation of pottery through the process of wheel-throwing. Hand-built and wheel-thrown combo techniques will be investigated. Experimentation in surface treatment and decoration will be explored. Five contact hours.
Prerequisite: ART 350. Offered: F.

ART 376 - Glass I (3)
An introduction to the use of glass as an art medium. Students will explore basic glass manipulation techniques. Five contact hours.
Prerequisite: ART 100 and ART 111 or written consent of the instructor. Offered: F.

ART 380 - 3D Animation (3)
This course is an introduction to 3D animation. The topics covered include modeling, rigging, texturing, lighting and keyframe animation. Five contact hours.
Prerequisite: pre-/co-requisite(s): ART 100, ART 101, ART 102 or the written consent of the instructor. Offered: S.

ART 381 - 3D Computer Animation II (3)
This course covers advanced problems in 3D animation. The topics covered include modeling, rigging, texturing, lighting, keyframe animation, visual effects and sound.
Prerequisite: ART 380. Offered: F.

ART 400 - Advanced Studio I (3)
This course consists of an individualized, in-depth study of the students' medium of interest. Students prepare a proposal outlining the direction of their study. Five contact hours.
Prerequisite: Written consent from academic advisor. Offered: F; S.

ART 401 - Advanced Studio II (3)
A continuation of the exploration of a chosen medium of interest. Preparation of work for presentation/critique will be a component of this course. Five contact hours.
Prerequisite: ART 400. Offered: F; S.

ART 402 - Advanced Studio III (3)
A continuation of the exploration of a chosen medium of interest incorporating advanced techniques. Preparation of work for presentation/critique is an integral component of this course. Five contact hours.
Prerequisite: ART 401. Offered: F; S.

ART 403 - Advanced Studio IV (3)
The development of a heightened understanding of artistic visual solutions and techniques of a chosen media. A professional attitude and work ethic is
emphasized. Exhibition of work is required. Five contact hours.
Prerequisite: ART 402. Offered: F; S.

ART 406 - Internship in Art (A, G, M & T) (3)
This course provides students with the opportunity to gain practical experience and perspective in the professional world of art. Internships may be served at art councils, museums, galleries, or with design firms, advertising agencies, or professional artists, etc. which are able to provide students with a well-rounded pre-professional work experience. Supervision will be by a professional in the field and a faculty supervisor from ECSU. Five contact hours.
Prerequisite: Junior status. Offered: F; S; SS.

ART 409 - Senior Show/Portfolio (3)
This course assists students with preparation and documentation of their artwork. Methods of assembling physical and digital portfolios will be explored. Writing and designing a resume will be emphasized. Students must mount a senior show. Five contact hours.
Offered: S.

ART 446 - Short Film Production (3)
Continuing the exploration of theory and technique developed in ART 345: Film Theory and Production, students will design, produce and edit a feature length film.
Prerequisite: ART 345. Offered: F.

ART 485 - Arts Management (3)
This course covers the business aspects, theories, and legal issues of arts management related to the operation of the arts councils and governmental and nonprofit art agencies, as well as galleries and other for-profit entities. Five contact hours.
Prerequisite: No Prerequisite. Offered: F.

ART 490 - Fibers (3)
A course in basic weaving techniques, tapestry and loom weaving, and survey of fiber techniques.
Prerequisite: ART 100 or written consent of the instructor. Offered: F; S.

ART 498 - Graphic Design Applied Theory (3)
An advanced course that examines the theoretical understanding of visual communication and its application to the practice of graphic design. Open to Graphic Design majors only. Five contact hours.
Prerequisite: ART 301. Offered: F.

ART 499 - Graphic Design Seminar (3)
This course examines current topics in graphic design with conceptual and theoretical approaches for analyzing visual communication. Emphasis is on critical reading, research, and writing in a seminar atmosphere. Open to Graphic Design majors only. Five contact hours.
Prerequisite: ART 301. Offered: S.

ARTH - ART HISTORY COURSE DESCRIPTIONS

ARTH 201 - Art and Religion (3)
This course examines the relationship of these two expressions of the human experience from prehistory to the present. Religion as an impetus to the activity of image making and the creative process will be explored through the examination of art, artifacts, and architecture.
Prerequisite: No Prerequisite. Offered: F; S.

ARTH 209 - Survey of Art I (3)
A survey of the history of art from the prehistoric era to the end of the Gothic period (c. 1300).
Prerequisite: No prerequisite. Offered: F.

ARTH 210 - Survey of Art II (3)
The second of a two-part survey of art from the early Renaissance to the art movements in modern and contemporary art history.
Prerequisite: No prerequisite. Offered: S.

ARTH 217 - History of Graphic Arts (3)
A broad survey of the history of graphic design, developing a fundamental understanding of the subject through presentation and discussion.
Prerequisite: Open to Art Majors only. Offered: S.

ARTH 218 - History of Drawing (3)
A study and analysis of the techniques and procedures of drawing from the Renaissance to the present day.
Prerequisite: No prerequisite. Offered: F; S.
ARTH 317 - Nineteenth-Century Art (3)
Covers the major art movements and artists of the 19th century, including Neoclassicism, Romanticism, Realism, Impressionism, Post-Impressionism, Fauve, and Les Nabis. Multicultural emphasis on worldwide art.
Prerequisite: No prerequisite. Offered: F; S.

ARTH 318 - Twentieth-Century Art (3)
Covers the major art movements and artists/architects of the 20th century including Cubism, Expressionism, de Stijl, Bauhaus, Surrealism, Regionalism, Abstract Expressionism, Pop, Op, Minimal, Conceptual, Post-Modern, Deconstructionism, and Outsider Art with a multicultural emphasis.
Prerequisite: No prerequisite. Offered: F; S.

ARTH 416 - Theory of Contemporary Art and Design (3)
Broad introduction to theories of contemporary art and design. Includes: aesthetics, design theory, publications, galleries and museums, and career opportunities in art, etc.
Prerequisite: No prerequisite. Offered: F; S.

ATC - AIR TRAFFIC CONTROL
COURSE DESCRIPTIONS

ATC 200 - Control Tower Operations (3)
Enables students to gain an understanding of the knowledge required to work as a team member in an Air Traffic Control Tower (ATCT). Specifically, this course will cover content in the following areas: control tower equipment and operating positions, airfield marking, VFR traffic patterns, sequencing and separation standards, positional authority and associated responsibilities, standard phraseology, stripmarking, aircraft taxi instructions, control of vehicle movement, aircraft emergency assistance, search and rescue coordination, meteorological aviation reports (METAR), and tower weather observations.
Prerequisite: AVI 100.

ATC 200L - Control Tower Operations Lab (3)
Affords students an opportunity to use the knowledge acquired in ATC 200 with a realistic state of the art simulator. Emphasis is placed on the use of standard procedures as they apply to a VFR tower environment. Student evaluation is performance based through their application of established control procedures which includes: clear and concise communications, standard phraseology, clearances, runway separation, stripmarking and teamwork.
Prerequisite: ATC 200.

ATC 250 - Terminal Radar Operations Lab (3)
Enables students to gain an understanding of the knowledge required to work in a Terminal Radar Approach Control (TRACON). Specifically, this course will cover content in the following areas: TRACON equipment and operating positions, radar identification, radar separation standards, vectoring, instrument traffic patterns, approach clearances, standard phraseology, aircraft emergencies, stripmarking, communications, and teamwork.
Prerequisite: ATC 101.

ATC 250L - Terminal Radar Operations Lab (3)
Provides students the opportunity to apply knowledge acquired in ATC 250 using a realistic state of the art simulator. Student evaluation is performance based and includes standard phraseology, emphasis on radar identification, vectoring techniques, effective coordination, and stripmarking as well as the control and separation of aircraft in a terminal radar environment.
Prerequisite: ATC 250.

ATC 300L - Advanced Control Terminal Operations Lab (3)
Expands on the skills acquired and demonstrated during ATC 205 and incorporates the following into the control tower team functions: IFR flights, intrafacility and interagency coordination, aircraft recognition and characteristics, runway incursions, wake turbulence, Special VFR and emergency situations. Simulated scenarios in the tower lab will
become progressively more challenging and student evaluation will be performance based.

Prerequisite: ATC 205.

**ATC 350L - Advanced Terminal Radar & Non Radar Operations Lab (3)**

Expands on the basic radar skills acquired and demonstrated in ATC 255 and incorporates the following into the terminal radar environment: aircraft emergencies, high-tempo traffic, intrafacility and interagency coordination. Simulated scenarios in the tower lab will become progressively more challenging and student evaluation will be performance based.

Prerequisite: ATC 255.

**ATC 375L - ATC Terminal Operations Lab**

This course affords students an opportunity to use knowledge acquired in ATC 275 with a state-of-the-art simulator. Emphasis is placed on standard procedures as they apply in the control tower and radar environment. Student evaluation is performance based and includes: standard phraseology, clearances, sequencing and separation, radar identification, and vectoring.

Prerequisite: ATC 275.

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**AVI - AVIATION SCIENCE COURSE DESCRIPTIONS**

**AVI 100 - Introduction to Aviation (3)**

Provides an overview of aviation, and introduces the student to the many opportunities and challenges of the aviation industry. The student will explore the history of flight from early concepts and experimentations to the beginnings of flight, early industry growth, modern jet-powered flight, and space exploration. Significant aviation events, and aviation pioneers and legends will be covered.

**AVI 122 - Orientation Seminar for Aviation Science (1)**

This course is designed as an introduction for new aviation science students. Students will gain an understanding of normal career progression within the industry. Specific degree requirements as well as understanding the academic advisory role in their responsibilities as students.

**AVI 220 - Air Transportation (3)**

A survey of the U.S. air transportation system including: detailed aspects of the industry's importance to the U.S. economy; the industry's components and their relationships, historical developments and growth, the impact of regulations and legislation, business and commercial operations, airline and general aviation economics, the social impact of aviation, and characteristics of the Federal Aviation Administration and the National Transportation Safety Board.

**AVI 230 - Aviation Management (3)**

An introduction to management practices in the aviation industry. The management of large and small airports fixed base operators and aviation organizations are covered with a focus on current aviation management practices.

Prerequisite: AVI 100 or UAS 100.

**AVI 232 - Safety Management Systems (SMS) (3)**

This course provides an introduction to Safety Management Systems (SMS) to systematically design, implement, and manage safety programs in aviation using the Safety Management System. These concepts of Safety Management Systems are delivered with emphasis on the following concepts; SMS introduction, components of an SMS, analyzing aviation hazard and risk assessments, developing and managing SMS programs, and evaluating an SMS.

Prerequisite: AVI 100.

**AVI 250 - Basic Aerodynamics and Flight Physics (3)**

A study of aircraft aerodynamics and the physics of flight; topics include aircraft performance, stability, control, weight and balance, special flight conditions, and configurations. Basic theories of flight, including airfoil design, drag, lift, thrust, weight and velocity are discussed as well as calculations of stall speed and basic performance criteria.

Prerequisite: AVI 100 or UAS 100.

**AVI 260 - Aviation Human Factors and Safety (3)**

Basic study of human and machine interface in an aviation environment. Topics include flight physiology, aeromedical factors, automation, equipment design, navigation, and flight path warning systems as they relate to an established safety culture. Course includes case studies of incidents, accidents, and details crew performance.
Prerequisite: AVI 100 or UAS 100.

AVI 270 - Air Traffic Control and the National Airspace System (3)

A study of the nation's plan to enhance, modernize and expand the National Airspace System. Electronic navigation, communications capabilities, control concepts, and high-tech personnel requirements will be explored. Problems and resolutions concerning implementation of a new airspace system; airspace allocations; safety considerations; economic impact; and social and political implications will be studied.

Prerequisite: AVI 100 or UAS 100.

AVI 275 - Aircraft Systems I

This course introduces the student to the basic operation of aircraft systems used in light general aviation aircraft. Students will study and be able to describe the operation of reciprocating aircraft engines, flight control, fuel, electrical, landing gear, propeller operation, flight instrument operation. Emphasis will be placed on system description and theory of operation.

Prerequisite: AVI 100.

AVI 314 - Aviation Meteorology (3)

Meteorology and adverse weather phenomena and how it impacts aircraft, air traffic control, and flight safety. Topics include the atmosphere and atmospheric pressure, altimetry, wind, humidity, cloud formation and precipitation, stable and unstable atmospheric conditions, air masses and fronts; turbulence; icing, thunderstorms, wind shear, and weather detection systems.

Prerequisite: AVI 100 or UAS 100.

AVI 315 - Aviation Legislation and Ethics (3)

An introduction to the laws and regulations as they pertain to aviation. Topics include the origin and philosophy of law; the important legislation that has shaped the aviation industry over the years; aircraft ownership; Federal Aviation Regulations; manufacturing responsibilities; and accident and insurance liabilities.

Prerequisite: AVI 100, AVI 220.

AVI 340 - Corporate Flight Operations (3)

The student will be involved in detailed studies of the workings, operations, and management of the corporate flight department, and how it interfaces with the rest of the corporation. The student will learn the duties and responsibilities of the corporate pilot and the flight department manager, including a review of safety practices and the importance of standardization.

Prerequisite: AVI 100, AVI 220.

AVI 345 - Airline Operations and Management (3)

Students are introduced to airline operations and their management. Focus is centered on industry practice, route network design, fleet planning, scheduling, and revenue management. Applicable Federal Aviation Regulations governing air carrier operations also emphasized.

Prerequisite: AVI 100, AVI 220, and AVI 230.

AVI 350 - Advanced Aerodynamics (3)

Course is an advanced study of the theories of flight including capabilities and limitations, performance and design criteria, load factors, weight and balance charts, transport category aircraft performance, high altitude operations, and aircraft certification. Additionally, it details aerodynamic performance of aircraft powered by reciprocating, turboprop, jet turbine engines, and rotorcraft.

Prerequisite: AVI 100, AVI 220, AVI 250.

AVI 370 - Aviation Research Methods and Statistics (3)

This course offers an introduction to research design along with descriptive and inferential statistics. Prepares students to design, analyze, interpret, and report on their own research, as well as to critically evaluate the work of others. Students are required to submit a research proposal.

Prerequisite: Junior level student or instructors written consent.

AVI 375 - Aircraft Systems II (3)

Introduces the basic operation of aircraft systems used in transport aircraft. Study is concentrated on the operation of gas turbine engines, hydraulic and pneumatic power, pressurization, electrical, environmental control and ice protection systems. Additionally, course work will include an introduction to a Minimum Equipment List and a Configuration Deviation List.

Prerequisite: AVI 250, AVI 275.
AVI 411 - Transition to the Aviation/Aerospace Industry (3)
A junior- and senior-level course designed to help the student to focus on a particular career path in the aviation or aerospace industry. Directed discussions, individual and group assignments, and guest speakers may be incorporated to provide increased knowledge about career opportunities in the field of aviation. Course topics include defining "the professional," the "professional in aviation," resume writing, interviewing skills, setting goals, public speaking and presentation skills, and networking.
Prerequisite: AVI 100, AVI 220, Aviation major with junior standing or written consent from the Program Director/or the instructor.

AVI 415 - Aviation Project Management (3)
Course provides an in-depth look at aviation project management from concept to completion while connecting project management within an aviation context that is prudent to business decision making. Aviation projects commonly fail to deliver on time and often exceed budget, this course will highlight methods to avoid these failures.
Prerequisite: AVI 100, AVI 220, and AVI 315.

AVI 420 - Crew Resource Management (3)
This course introduces the fundamentals of CRM and the intense challenges that crew members face in modern aircraft and airspace. Topics include flight crew leadership, checklist philosophy, communications in the cockpit, and professional development. Analysis of CRM-related aircraft accidents will be discussed and detailed.
Prerequisite: AVI 100, AVI 220, AVI 232.

AVI 430 - Airport Planning and Management (3)
This course presents an overview of how airports are designed and planned and covers both the development and management of airports. Development issues such as airport site characteristics, layout of runways, design of passenger buildings, and analysis of environmental impacts. Management topics cover congestion and queues, peak-hour traffic, air traffic control, and demand management.
Prerequisite: AVI 100, AVI 220, AVI 230, AVI 315.

AVI 460 - Aviation Internship (3)
An academic internship is an opportunity for the student to apply classroom knowledge to the real world of work. An academic internship is required by all aviation science students. It is an opportunity for the student to broaden their horizons and to gain real work experience. The internship is a work experience that leads to academic credit. Evaluations are based in part on written reports from the employee.
Prerequisite: Written consent by the Program Director.

AVI 465 - Aviation Capstone (Senior Project) (3)
Integrates, extends, and applies knowledge learned in earlier aviation courses and readings. The course is designed for senior-level students with emphasis on projects and special aviation topics supported by faculty in potential cooperation with a governmental or aerospace industry partner. This course will culminate with a senior project/portfolio and presentation.
Prerequisite: AVI 370.

AVI 470 - Independent Study in Aviation (3)
On a one-to-one basis and under direct guidance of the instructor, the student will be given the opportunity to complete independent and directed studies on selected topics in general, corporate, commercial, and military aviation, as well as topics in the aerospace industry.
Prerequisite: Consent of instructor and written consent from the Program Director.

AVI 475 - Topics in Aviation/Aerospace (3)
Selected topics and issues in the field of aviation or aerospace are explored so that the student is aware of past, current, and potential issues. Presents significant issues in aviation and aerospace and is designed so that the student will have a fuller understanding and appreciation of both industries. The student will learn how to analyze an issue to determine its reasons for existing and will be able to project the issue into the future to anticipate how it might affect other issues and concerns.
Prerequisite: Consent of instructor and written consent from the Program Director.
AVNC - AVIONICS COURSE DESCRIPTIONS

AVNC 100 - Basic Avionics (3)
Provides basic knowledge of the subject of avionics. Topics include: radio frequency spectrum displays and technologies, fundamentals of instrumentation systems, air data systems and sensors, radio systems, fundamentals of radio propagation, and radio navigational aids. Also, the course includes ADF, VOR, DME, NDB, ILS, MLS, HSI, marker beacon, and transponder operation and functioning. The Theory of GPS, flight control systems, and the basics of radar systems will also be covered.
Prerequisite: None.

AVNC 240 - Flight Communication Systems (3)
Study of the basic principles of communication systems used in modern aircraft, including avionics transmission and reception systems, HF, VHF, UHF, and satellite systems. Further the course will explore basic RF systems, RF transmitters, signal generation, signal detection and amplification, carrier modulation AM, FM, SSB, antenna theory, antenna systems, and related test equipment. In addition, information on maintenance levels, FAA and FCC requirements, aircraft drawing and various manufacturers' support manuals will be used.
Prerequisite: AVNC 100.

AVNC 360 - Advanced Avionics Systems (3)
Topics include avionics digital and microwave systems, microwave theory, and radar with application to airborne systems. Also included are on-board navigation and display systems including computer-based components, GPS, digital avionics buses, flight management systems, and avionic system integration in current aircraft. Avionics package design, heads-up displays, and surveillance systems, including weather radar, radar altimeter, transponder, TCAS, and GPWS are also included.
Prerequisite: AVNC 240.

AVNC 380 - Aircraft or Flight Control Systems (3)
Topics include discussion on the early history of aircraft dynamics and control, mathematical models of linear system elements, feedback control system analysis, vehicle equations of motion, longitudinal and lateral dynamics, and elementary longitudinal and lateral feedback control. The course includes such topics as the system design process, inputs and system performance assessment, the root locus analysis of a generic acceleration autopilot, multi-loop flight control systems, methods for modeling the human pilot, and the integration of the human pilot into an aircraft flight control system.
Prerequisite: AVNC 240.

BFIN - ECONOMICS & FINANCE COURSE DESCRIPTIONS

BFIN 210 - Personal Financial Management (3)
Overview of personal financial management and creation of wealth. Develops personal financial management skills in budgeting, income, expenditures, and planning for financial security and retirement. Explains savings and investments alternatives, financing, and credit sources, the role of insurance in protecting income and assets, and federal income tax issues. Partially fulfills GE requirement in Social & Behavioral Sciences
Prerequisite: None. Offered: F, S, SS.

BFIN 311 - Principles of Finance (3)
An introduction to the study of finance with an emphasis on managerial or corporate finance. Also introduces financial institutions and investment fundamentals.
Prerequisite: ACCT 210, ECON 201 and ECON 202, each with a C or higher. Offered: F, S, SS.

BFIN 315 - Entrepreneurial Finance (3)
The financial management of entrepreneurial ventures and the problems associated with incubating and growing new ventures using the theories, knowledge, and financial tools needed to start, build, and harvest a successful venture.
Prerequisite: BUAD 322 with a C or higher. Offered: S.

BFIN 320 - Financial Management (3)
Provides an advanced coverage of major topics in managerial or corporate finance. Topics include corporate and project valuation, financing decisions, and working capital management.
Prerequisite: BFIN 311 with a C or higher. Offered: F.
BFIN 350 - Investments (3)
Principles of security investments, analysis of specific studies, portfolio construction, and management.
Prerequisite: BFIN 311 with a C or higher. Offered: F.

BFIN 398 - Special Topics in Finance (3)
Topics of special interest to business students may be offered, or in response to a request by a group of students for a specific course not otherwise available. The students conduct a study of these topics as business electives.
Prerequisite: Business Administration major, junior standing, and department chair's written consent. Offered: F, S, SS.

BFIN 415 - Financial Management Policy and Strategy (3)
This course is designed to study the value creation process that generates superior economic performance for the firm over the long run in a corporation. The course will analyze value creation both conceptually and in terms of the challenges it poses for the top-management of a corporation. The analytical framework will employ precepts from finance, economics, and competitive strategy. Topics will be covered through a series of case studies and reading assignments.
Prerequisite: BFIN 320 with a C or higher. Offered: S.

BFIN 420 - Portfolio Construction and Management (3)
A comprehensive coverage of investment topics including bond analysis, option valuation, commodities, futures and option contracts, and portfolio analysis, evaluation and management. Use of derivatives as a financial risk management tool is emphasized.
Prerequisite: BFIN 350 with a C or higher. Offered: S.

BFIN 425 - Commercial Bank Management (3)
Focuses on operation, management, and analysis of commercial banks and other financial institutions.
Prerequisite: BFIN 311 with a C or higher. Offered: F.

BFIN 450 - Financial Risk Management (3)
This course will survey the types of derivative securities used in financial risk management. Students will learn the contractual specification, the pay-off structure, the mechanics of trading, methods of valuation etc.
Prerequisite: BFIN 320 and BFIN 350. Offered: S.

BFIN 455 - International Financial Management (3)
A study of the global financial markets and the operations of multinational firms. Topics include foreign exchange markets, international financial markets, international banking, and currency derivative markets.
Prerequisite: BFIN 311. Offered: S.

BIOL - BIOLOGY COURSE DESCRIPTIONS

BIOL 100 - Principles of Biological Science (3)
Introduction to the basic principles of modern biology with emphasis on aspects of human biology as applied to daily living. Lecture, three hours.
Prerequisite: No Prerequisites. Offered: F; S; SS.

BIOL 100L - Principles of Biological Science Lab (1)
Basic laboratory experiences in biology that reinforce concepts introduced in the lecture. Laboratory, two hours.
Offered: F; S; SS.

BIOL 101 - General Biology for Majors I (4)
An introductory course of a two-semester sequence in conjunction with BIOL 102 and required of all Biology majors as a prerequisite to all core courses. Covers fundamental concepts in biology with emphasis on cell structure, organization and metabolism, classical and molecular genetics, sexual and asexual reproduction, photosynthesis and respiration mechanisms, and relating these topics to the concepts of inheritance and biodiversity. Lecture: three hours; laboratory: two hours; may include tutorial: one-two hours.
Prerequisite: Must be Biology Major or have Department Chair's written consent. Offered: F; S.
BIOL 102 - General Biology for Majors II (4)

An introductory second course of a two-semester sequence in conjunction with BIOL 101 and required of all Biology majors as a prerequisite to all core courses. Covers fundamental concepts in biology with emphasis on evolution, ecology, taxonomy and biodiversity, with overview of microbiology, botany, zoology, and comparisons of the anatomy and physiology of diverse animals and the human body. Lecture: three hours; laboratory: two hours; may include tutorial: one-two hours.

Prerequisite: BIOL 101. Offered: F;S.

BIOL 201 - Comparative Vertebrate Anatomy (4)

A comparative study of structural features and development of organ systems of various classes of vertebrates with emphasis on their evolutionary sequence. Lecture: three hours; laboratory: two hours.

Prerequisite: BIOL 101, BIOL 102. Offered: F;S.

BIOL 210 - Genetics (4)

Covers basic genetic principles through integration of classical and molecular genetics, including the physical nature of genetic material, transmission of genetic information, patterns of inheritance, gene mapping via linkage and association studies, gene regulation including epigenetics, and recombinant DNA technology. Lectures: three hours; laboratory: two hours.

Prerequisite: BIOL 101, BIOL 102. Offered: F; S.

BIOL 215 - Anatomy & Physiology (4)

First course of a two-semester sequence in conjunction with BIOL 216. Students are exposed to a basic foundation in normal physiology and functional anatomy of human organ systems. Topics covered are: cell physiology, histology, integument, and skeletal, muscular, nervous, and sensory systems. Emphasis on the interaction of structure and function and the homeostasis mechanisms in the human body. Lecture: three hours; laboratory: two hours.

Prerequisite: Must have Department and instructor's written consent. Offered: F.

BIOL 216 - Anatomy & Physiology II (4)

Second course of a two-semester sequence in conjunction with BIOL 215. In-depth discussions of the concepts introduced in BIOL 215, particularly in regard to human systems and homeostasis mechanisms of the human body. Lecture: three hours; laboratory: two hours.

Prerequisite: BIOL 215. Must have Department and instructor's written consent. Offered: S.

BIOL 220 - General Zoology (4)

(formerly BIOL 301) A course in basic animal biology that emphasizes and examines in a phylogenetic framework the origin, structure and function, reproduction and development, and comparative anatomy of representative animal phyla. Required laboratory component consisting of specimen dissection and identification. Lecture: three hours; laboratory two hours.

Prerequisite: BIOL 101, BIOL 102 and CHEM 101/CHEM 101L. Offered: F; S.

BIOL 221 - General Botany (4)

(formerly BIOL 302) Covers basic biological phenomena of plant life including anatomy, physiology, growth, development, distribution, classification and economic relevance. Laboratory exercises include plant morphology and metabolism. Lecture: three hours; laboratory: two hours.

Prerequisite: BIOL 101, BIOL 102, and CHEM 101/CHEM 101L. Offered: F; S.

BIOL 250 - Biological Orientation (1)

Prepares Biology majors for entry into the Department. Emphasizes laboratory report writing, oral presentations, practical examination techniques, sketching, instrumentation, terminology, note-taking skills, and career development activities. Lecture: one hour.

Prerequisite: Must be Biology major. Offered: F; S.

BIOL 255 - Fundamentals of Clinical Microbiology (4)

The study of bacteriology, parasitology, mycology, and virology. Students study methods and perform techniques used in isolating and identifying microorganisms and demonstrate basic good laboratory procedures. Other topics studied include susceptibility testing, food and human disease, epidemiology and quality control. Lecture: three hours; laboratory: two hours.

Prerequisite: BIOL 101, BIOL 102. Offered: F; S.
BIOL 300 - General Ecology (4)
Introduces major ecological concepts. Discusses physical, chemical and biological factors affecting the spatial distribution and abundance of organisms; and population, community and ecosystem structure, function and dynamics. Lecture: three hours; laboratory/field activity: two hours.
Prerequisite: BIOL 220, BIOL 221 and CHEM 101/CHEM 101L. Offered: F;S.

BIOL 302 - General Botany (4)
Covers basic biological phenomena of plant life, including anatomy, physiology, growth, development, distribution, classification, and economic relevance. Lecture: Three hours; laboratory: two hours.
Prerequisite: BIOL 220, BIOL 221, BIOL 102. Offered: F; S.

BIOL 303 - Parasitology (3)
Provides up-to-date information on the basic biology, pathology, and epidemiology of important human parasites. Topics covered include parasite characteristics, host/parasite interactions, life cycles, distribution, pathogenicity, diagnosis, treatment, and control of parasite groups from protozoa to arthropods. The course also explores evolutionary aspects of host-parasite interactions.
Prerequisite: BIOL 101, BIOL 102. Offered: F; S.

BIOL 304 - Organic Evolution (3)
Formerly BIOL 211 Covers topics such as mutation, adaptation, selection, cooperation, competition, speciation and phylogeny. Other areas of discussion include factors that influence population genetics, evolutionary ecology, and macroevolution changes above the species level. Lecture: 3 hours.
Prerequisite: BIOL 101, BIOL 102. Offered: F; S.

BIOL 305 - Histology (3)
Microscopic structure of plant and animal tissues. Emphasizes distinguishing characteristics of various tissues. Lecture, two hours; laboratory, two hours.
Prerequisite: BIOL 101, BIOL 102; CHEM 101, CHEM 101L, CHEM 102, and CHEM 102L. Offered: S.

BIOL 306 - Human Anatomy (4)
(formerly BIOL 207) Comprehensive coverage of form and structure of the human body. Lecture: three hours; laboratory: two hours.
Prerequisite: BIOL 101, BIOL 102, and BIOL 220. Offered: S.

BIOL 307 - Human Physiology (4)
Comprehensive coverage of the functional aspects of the organs and organ systems of the human body including disease, repair mechanisms and medical advances. Lecture: three hours; laboratory: two hours.
Prerequisite: BIOL 101, BIOL 102, and BIOL 220. Offered: F; S.

BIOL 308 - Introduction to Molecular Forensic Science (3)
An introductory course that covers DNA replication, transcription, and translation, and how these concepts are applied to forensic science. Investigations into DNA, RNA, and protein-based fingerprinting using human, animal, plant, and microbe models. Lecture: two hours; Laboratory: two hours.
Prerequisite: BIOL 101 or GE 155 and one other Biology course instructor's written consent. Offered: S.

BIOL 341 - Microbiology (4)
Biology of microorganisms with special emphasis on bacteria, their detection, isolation, and culturing techniques. Also covered are general principles of infection and immunity with emphasis on select human diseases. Lecture: three hours; laboratory: two hours.
Prerequisite: BIOL 101, BIOL 102, CHEM 101, CHEM 101L, CHEM 102, CHEM 102L. Offered: F; S.

BIOL 342 - Topics in Applied Microbiology (3)
Experimental exploration of advanced topics in applied microbiology, such as fermentations, clinically and environmentally relevant biofilms, quorum sensing, biodegradation, and biotechnology. Emphasis given to current issues in applied microbiology. Lecture: two hours; Laboratory: two hours.
Prerequisite: BIOL 341, CHEM 401, CHEM 401L. Offered: F; S.
BIOL 345 - Plant Systematics (3)
Special emphasis on diagnostic features and criteria used in classifying plants. Investigations involve representatives of local, regional, and national flora. Lecture: two hours; Laboratory: two hours.
Prerequisite: BIOL 302. Offered: S.

BIOL 350 - Introduction to Experimental Methods (3)
Acquaints students with the concepts and procedures utilized in modern biological research. Designed to enhance the student's ability to understand and utilize various research techniques. Combined lecture and laboratory: four hours.
Prerequisite: BIOL 101, BIOL 102, CHEM 102, CHEM 102L and at least one other 200 level or higher Biology course with instructor's written consent. Offered: F; S.

BIOL 352 - Molecular Biology/Lab (4)
Introduces the molecular structure and enzymatic mechanisms that underlie the utilization of genetic information by prokaryotic and eukaryotic organisms, including control of RNA and protein synthesis. Special emphasis on fundamental, theoretical, and applied effects of recombinant DNA, RNA, and protein technology; and molecular techniques such as fingerprinting, sequencing and blots. Lecture: three hours, Laboratory: 2 hours and additional lab time scheduled as necessary.
Prerequisite: BIOL 210, BIOL 221, and CHEM 301. Offered: F; S.

BIOL 355 - Career Entry Seminar (2)
Designed to enhance the preparedness of science majors to deal with pre-professional entry examinations. Special emphasis on MCAT, DAT, GRE (Specialty Area), and preparation of resumé and application cover letters. Lecture: two hours.
Prerequisite: Must be junior or senior classification Biology major or have Department Chair's written consent. Offered: F; S.

BIOL 369 - Principles of Human Nutrition (3)
This course provides students with an understanding of the fundamental concepts of human nutrition. Special emphasis is given the role of carbohydrates, proteins, lipids, vitamins, minerals and metabolism as they relate to human health and disease. Lecture: 3 hours.

Prerequisite: BIOL 101 or BIOL 215, CHEM 301 and CHEM 301L. Offered: F, S.

BIOL 370 - Experiments with Biological Instrumentation (1)
Trains students in the proper use of equipment and procedures utilized in biological research. Laboratory: 2 hours.
Prerequisite: BIOL 210 or BIOL 220 or BIOL 221. Offered: F/S.

BIOL 380 - Cell Biology (3)
Covers details of the fine structure of cells, their physical/chemical composition, organization and metabolism. Lecture: three hours.
Prerequisite: BIOL 101, BIOL 102, CHEM 302, CHEM 302L. Offered: F; S.

BIOL 394 - Biodiversity (3)
An account of the cause and state of global biological diversity and the impact of environmental change on past diversity. Topics include molecular and organismal level biodiversity and speciation, conservation, and effect of human activities on biodiversity. Special emphasis on biomedical research, genetic engineering of foods, and human infectious diseases. Lecture: three hours.
Prerequisite: BIOL 210, BIOL 341. Offered: F; S.

BIOL 395 - Introduction to Neuroscience (3)
Focus on the neuron and its biological interactions in the nervous system. Topics will include the anatomy, development, chemistry, and physiology of the human nervous system and brain. Lecture: three hours.
Prerequisite: BIOL 307, CHEM 302. Offered: F.

BIOL 401 - Plant Physiology (3)
Focus on aspects of plant cells, including their general physiology; metabolic transformation; functions of leaves, roots, stems, flowers, and fruit; photosynthesis; respiration; and growth hormones activities. Lecture: two hours; laboratory: two hours.
Prerequisite: BIOL 302, CHEM 101, CHEM 101L. Offered: S.

BIOL 405 - Animal Biotechnology (4)
Places emphasis on technologies that specifically use animal models to expose students to scientific discovery and applied laboratory techniques in biotechnology. Topics include ethics,
pharmaceuticals, medicines and vaccines, diagnostics, transgenic animals, and animal cloning. Lecture: two hours; Laboratory: three hours and additional lab time scheduled as necessary.

Prerequisite: BIOL 101, BIOL 102, BIOL 350. Offered: F.

BIOL 406 - Plant Biotechnology (4)
This course acquaints students with the concepts and procedures involved in plant tissue culture, transgenic plant production, patents and copyrights associated with plant sciences; and the ethical questions surrounding the use of this technology. Lecture: two hours; Laboratory: three hours; and additional lab time scheduled as necessary.

Prerequisite: BIOL 101, BIOL 102, BIOL 350. Offered: S.

BIOL 422 - Introduction to Bioinformatics (3)
This course is an introduction to the theory and practice of methods and tools used in biological data analysis. Using open source bioinformatics software in Genomics and Proteomics, students will master sequence similarity searching, PCR primer design, phylogenetics, 3D visualization, and navigating the Linux OS from the command line. 2 hours class, 2 hours lab

Prerequisite: BIOL 210 or instructor consent. Offered: F,S.

BIOL 442 - Developmental Biology (3)
Early developmental processes of anatomical and physiological significance with particular emphasis on developmental stages of the frog, chick, and mammalian embryos. Combined lecture and laboratory: four hours.

Prerequisite: BIOL 101, BIOL 102, BIOL 201, BIOL 307. Offered: F,S.

BIOL 443 - Principles of Immunology (3)
A survey of the basic concepts and principles on acquired resistance of higher animals and humans to infection by microorganisms. Lecture: three hours.

Prerequisite: BIOL 341, CHEM 101, CHEM 101L, CHEM 102, CHEM 102L, CHEM 301, CHEM 301L. Offered: S.

BIOL 450 - Advanced Techniques in Biotechnology (4)
This course focuses on the theoretical concepts and emphasizes "hands-on" experience with advanced techniques including, but not limited to, polymerase chain reaction, cDNA cloning and expression screening, and aspects of plant molecular biology, and biotechnology. Lecture: two hours; laboratory: four hours.

Prerequisite: BIOL 352, Must be junior or senior classification Biology major or have instructor's written consent. Offered: F.

BIOL 460 - Advanced Experimental Methods (4)
Increases the student's knowledge and practice of experimental techniques in a specific area of the biological sciences. Final written reports of experimental results is required. Lecture: two hours; laboratory: four hours; and additional lab time scheduled as necessary.

Prerequisite: BIOL 350, Must be junior or senior classification Biology major or have instructor's written consent. Offered: S.

BIOL 485 - Medical Terminology (1)
Designed for the pre-medical and pre-dental program to give students an opportunity to systematically build a medical vocabulary. Emphasis on Greek and Latin prefixes, suffixes, word roots, and combining forms. Lecture: one hour.

Prerequisite: BIOL 101, BIOL 102. Offered: F;S.

BIOL 486 - Scientific Communication and Capstone (3)
This Capstone course evaluates the student's ability to understand and communicate complex scientific concepts in written and verbal formats. Emphasizes critiquing scientific articles, scientific writing, use of the library, writing professional documents; and conducting scientific presentations. Standardized knowledge and critical thinking exams may be conducted outside the meeting period. Lecture: three hours.

Prerequisite: Senior classification Biology major or Marine Environmental Sciences major or Instructor's written consent. Offered: F;S.

BIOL 487 - Statistical Applications in the Sciences (3)
Designed to enhance the student's ability to apply statistical techniques in the analysis of routine biological data. Emphasis on numerical methods, basic statistics, testing, significance, regression, correlation, experimental design, and variance, etc. Lecture: three hours.
BIOL 488 - Computer Applications in the Sciences (1)
Consideration of computer-related issues and applications in the sciences. Emphasis given to special topics that require the use of the computer in problem-solving. Lecture: one hour.
Prerequisite: Must be junior or senior classification Biology major or have the Department Chair's written consent. Offered: F; S.

BIOL 489 - Special Problems in Biology (1-3)
Provides students the opportunity to address current topics in biological science via resource development, field studies, and library usage. Emphasis on student independent research and presentation. Lecture: one hour.
Prerequisite: Must be junior or senior classification Biology major or have Department Chair's written consent. Offered: F; S.

BIOL 490 - Ethics in Biotechnology (1)
This seminar course provides students the opportunity to address the impact of biotechnology on human society and the environment via readings, written critiques, discussions, and debates. Lecture: one hour.
Prerequisite: Must be junior or senior classification Biology major or have Department Chair's written consent. Offered: F; S.

BIOL 491 - Bioethics in Healthcare (3)
The course provides an overview of most of the major areas of biomedical ethics. Participants will gain familiarity with terminology, resources, and major frameworks of ethical analysis in biomedical ethics. Issues that will be analyzed include physician-assisted suicide, pediatric ethical dilemmas, resource allocation, and problems posed by managed care and research ethics. Extensive use of case studies will develop the participants' ethical problem solving skills. Lecture: three hours.
Prerequisite: Must be junior or senior classification Biology major or have Department Chair's written consent. Offered: F; S.

BIOL 492 - Methods in Life Sciences Instruction (3)
Principles of instructional strategies and laboratory techniques associated with teaching life sciences at the level of Intermediate Education (4-6).

BIOL 493 - Field Experience in Biological Science (3)
Designed to give Biology majors on-the-job training experiences in such areas as medicine, pharmaceutical science, biotechnology, veterinarian medicine, health, environment, and research. The student is responsible for arranging the internship, shadow, or other field experience prior to enrolling in this course. May be repeated once for credit for a unique field experience with Department consent. Meeting hours are approved by instructor and field mentor and are typically 5-10 hours per week.
Prerequisite: Sophomore, junior or senior level classification Biology major. Offered: F; S.

BIOL 495 - Biology Seminar (1)
This course evaluates the ability of the student to research and present data in a scientific oral presentation. Content focuses on recent advances and problems in biology with strong emphasis on participation and discussion. Lecture: one hour.
Prerequisite: Senior classification Biology major or Marine Environmental Science major or the Department Chair's written consent. Offered: F; S.

BIOL 496 - Science and Human Values (1 or 2)
Covers the impact of science on our society and the implications of emerging ideas on the shaping of future societies. Emphasis on student independent research and presentation. Lecture: two hours.
Prerequisite: Must be junior or senior classification Biology major or have the Department Chair's written consent. Offered: F; S.

BIOL 499 - Biological Research (3)
Investigational work on a select topic in biology under the guidance of faculty members in the department. Laboratory: two - four hours and additional lab time scheduled as necessary.
Prerequisite: BIOL 220, BIOL 221, and CHEM 301. Must have junior or senior classification. Requires department chair and instructor written consent. Offered: F; S.
BKED - BIRTH - KINDERGARTEN

COURSE DESCRIPTIONS

BKED 201 - Introduction to Birth-Kindergarten (1)
An overview of the field of early care and education. Emphasizes the elements of high-quality programs, governing standards and regulations, and historical perspectives. The course focuses on career options in the field of birth through kindergarten education.

BKED 202 - Child Growth and Development I: Infants and Toddlers (3)
This course provides an overview of physical, cognitive/language, and social and emotional development in children from birth through two. Students will explore prevailing philosophies and theories of child development.
Offered: F.

BKED 203 - Child Growth and Development II: Preschool and Kindergarten (3)
This course provides an overview of physical, cognitive/language, and social and emotional development in children ages three to five. Students will explore prevailing philosophies and theories of child development.
Offered: S.

BKED 305 - Early Childhood Literacy Development (3)
Emphasizes the process of developmental literacy skills in children ages birth to kindergarten. The course is an in-depth experience providing students with the opportunity to recognize and describe the developmental stages in literacy acquisition. Participants identify factors that influence early literacy development (readiness, family, medical) and design integrated, developmentally appropriate lesson plans. Students examine different literary genres and themes appropriate to young children with an emphasis on resources for children of culturally and linguistically diverse backgrounds. Guidelines for the implementation of appropriate literature-based activities will be addressed throughout the course. Students present a professional development session for a selected audience.
Offered: F.

BKED 325 - Infant and Toddler Curriculum and Development (3)
Emphasizes curriculum development and assessment from birth to preschool. This course introduces students to important frameworks for planning, implementing, and evaluating curriculum as it affects development and the various subject-matter disciplines. Significant details are placed on the methods and strategies that inform the development of meaningful and relevant curriculum. Students engage in in-depth studies of developmentally appropriate curriculum modes. The course also examines the influence of family and culture on curriculum and provides models of how to incorporate these and other variables into a well-rounded curriculum.
Offered: F.

BKED 330 - Educational Assessment of Infants, Toddlers & Preschools (3)
Addresses the acquisition of knowledge and skills related to the development, as well as the interpretation, of assessments used in Early Childhood Classrooms (infant, toddlers and preschool). Observing, documenting, and assessing young children (birth-five years) using formal and informal assessment tools across all areas of development is also addressed. Twenty-five hours of field experience is required.
Offered: F.

BKED 335 - Communication and Collaboration in Schools and Communities (3)
Promotes the ability to communicate effectively in diverse school and community settings. Students explore the relationship between culture and communication and understand the importance of collaboration in schools and communities to support optimal learning in children.
Prerequisite: Admission to Teacher Education Program not required. Offered: S.

BKED 340 - Early Childhood Intervention (3)
An overview of screening and assessment, interdisciplinary family service planning, and intervention strategies for children ages birth-three. Students become familiar with the processes of screening and assessment, development of Individualized Family Service Plans, and implementation of intervention strategies.
BKED 345 - Exploration of Early Childhood Settings (3)
Explores the settings in which services are provided to children ages birth-five. Settings include public school programs, private childcare, federal programs, and community agencies. Students are required to observe in various settings for a minimum of 10 hours.

BKED 420 - Preschool Curriculum (3)
Emphasizes the planning of an integrated curriculum for preschool children with emphasis on science, social studies, creative activities and technology. This course introduces students to important frameworks for planning, implementing, and evaluating curriculum as it affects development and the various subject-matter disciplines. Focuses on planning integrated curriculum for working with parents and parent education. The course also explores theoretical principles of the preschool play-based curriculum, which includes typical and atypical preschool age learning, design and adaptation of environments to promote development and learning, positive guidance, and effective teacher roles. Students learn how observation and analysis of children's play provide the foundation for curriculum development, meeting the needs of children with diverse backgrounds and abilities.

Offered: F; S.

BKED 454 - Inclusive Preschool Environments (3)
Uses task analysis and systematic instruction in individualization. Adapting, modifying, and evaluating curricula and methods, planning physical space appropriate to children's cognitive, physical, and socio-emotional development. Developing an understanding of the role of environments on children's learning and behavior including schedules, materials, room arrangement, and center-based learning. Incorporating diversity through the environment. This course also examines children in the context of the families in which they live to assist parents in determining appropriate educational plans from the preschool environment to transition to kindergarten.

Prerequisite: Admission to Teacher Education; an approved application from the Office of Student Services (all materials must be complete and on file.). Offered: F; SS.

BKED 455 - Administration of Early Childhood Programs (3)
Focuses on the administration of early childhood programs as well as the educational requirements of the administrator and staff. Students will observe in an early childhood program for 10 hours and interview an early childhood administrator.

BKED 460 - Issues and Trends in Early Childhood Education (3)
Study of how knowledge in early childhood education is created, organized, and linked to other disciplines through a critical review of current literature and research.

Offered: F, S.

BKED 465 - Community Agencies and Resources (3)
Explores the purpose and function of agencies serving young children within the local community. Visits to local agencies will be made and a list of resources available to the early childhood community will be compiled.

Offered: F, S.

BKED 470 - Kindergarten Curriculum and Standards (3)
Introduces students to the kindergarten curriculum and standards for students in the public school setting. Twenty hours of field experiences are required.

Prerequisite: Completion of all coursework; Advisor approval; Admission to the Educator Preparation Program. Offered: F, S.

BKED 491 - Internship in Early Childhood (6)
Students will intern in an early childhood center. Knowledge gained through coursework will be applied to the early childhood setting.

BKED 492 - Internship in Community Agency (6)
Students will intern in a community agency that serves children ages birth-five. Knowledge gained through course work will be applied to the community setting.

BKED 495 - Student Teaching (9)
This supervised field experience requires at least 14 weeks of student teaching. Student teachers are placed with individual mentor teachers or with teams of supervising teachers in approved, public classrooms or clinical settings. Student teachers are monitored and supported by Elizabeth City State University Supervisors. Placement priority is given...
settings that serve culturally, linguistically, and socio-economically diverse student populations. Professional Development Sessions are scheduled by the Office of Student Services prior to placement to address professional issues related to the clinical semester and to provide support and assistance with the completion of the required portfolio.

Prerequisite: Admission to Educator Preparation Program; Taskstream must be completed. Offered: F; S.

**BMIS - MANAGEMENT INFORMATION SYSTEMS COURSE DESCRIPTIONS**

**BMIS 380 - Management Information Systems II (3)**


Prerequisite: BUAD 190, with a C or higher. Offered: F, S.

**BMIS 386 - Business Systems Analysis and Design (3)**

Studies tools and techniques required for analysis, design, and implementation of business systems. It systematically describes entire life cycle of creating information systems, including requirements analysis, interface design, and management issues. It covers traditional System Development Life Cycle (SDLC) together with emerging development methods such as Agile and Object Oriented.

Prerequisite: BMIS 380 with a C or higher. Offered: S.

**BMIS 398 - Special Topics in Management Information Systems (3)**

Topics of special interest to business students may be offered, or if there is a request by a group of students for a specific course not otherwise available. The students conduct study of these topics as business electives.

Prerequisite: Business Administration major, junior or senior standing, and permission of the department chair. Offered: F, S, SS.

**BMIS 425 - IT and Cyber Security Management (3)**

This course aims to provide students with the foundational knowledge in the areas of Information Systems Management (ISM) and Cyber Security Management (CSM). In the ISM component, students will examine the role of Information Systems in creating value and exploiting opportunities in an organization. In the CSM component, students will examine practices in cyber-security to better understand security systems for safeguarding data and information, and making organizations less vulnerable to attack.

Prerequisite: BMIS 380 or Permission of the Instructor. Offered: F.

**BMIS 475 - Database Design and Management (3)**

Studies relational database architecture, design and implementation in the context of various organizations. Includes issues of data normalization, queries, programmable queries, and use of relational database technologies for building business-oriented applications. Students will also get hands-on experience with leading SQL and RDBMS tools currently popular in business and government settings.

Prerequisite: BMIS 380 with a C or higher. Offered: F starting F16.

**BMIS 485 - Business Intelligence and Analytics (3)**

Studies ways in which enterprises can use data to make better decisions in different business functions. It provides introduction to different aspects of Business Intelligence and Analytics, including processes, methodologies, infrastructure, and current practices used to transform business data (including unstructured "Big data") into useful information to support business decision-making.

Prerequisite: BMIS 380 and ECON 260, each with a C or higher. Offered: F16, then S.
BUAD - BUSINESS ADMINISTRATION COURSE DESCRIPTIONS

BUAD 190 - Management Information Systems I (3)
Emphasizes personal productivity concepts using functions and features in business computer software including Operating Systems, Internet, WEB and E-commerce; Word-processing, Spreadsheets, Database Management Systems and Presentation Graphics. Students learn to apply information technologies to problem situations and to use small information systems for individuals and groups.
Prerequisite: None. Offered: F, S.

BUAD 115 - Introduction to Business (3)
Surveys the various business disciplines and provides exposure to current issues such as globalization, entrepreneurial management, diversity, and ethics. Emphasizes the importance of the business sector on the dynamic market-driven economy. Serves as an introductory course to the field of business and as prerequisite for all other business courses.
Prerequisite: None. Offered: F, S, SS.

BUAD 200 - Business Communication (3)
Emphasizes and enhances the importance of communication skills in the business world. Covers the foundations of communication for business -- writing, speaking, listening and reading as well as nonverbal communication and impression management. Builds communication skills with technologies and practical business applications addressing inter-cultural communication skills for the global business community.
Prerequisite: BUAD 115 and ENGL 103. Offered: F, S, SS.

BUAD 240 - Ethics (3)
Covers the theories of ethics and the practice of ethical leadership in dynamic business environment.
Prerequisite: MNGT 221, MRKT 231. Offered: F, S, SS.

BUAD 322 - Entrepreneurship (3)
Covers how to start a new enterprise and the requirements for its successful operation. Topics include the legal forms of organizations, financing, risks, and operations in small business. Emphasis is on the development, presentation, and use of the business plan.
Prerequisite: BUAD 115, ECON 202, and ACCT 101 or ACCT 210, with a C or higher. Offered: F, S.

BUAD 330 - Risk Analysis, Fraud Detection and Internal Controls (3)
This course deals with risk analysis, fraud detection, and internal control frameworks in the context of cyber security and project management in business organizations. Possible topics include risk governance, risk management, risk assessment, fraud symptoms, fraud detection, investigation of thefts and concealment, conversion methods and inquiry method, preventing fraud, control environment, risk assessment of internal controls, control activities, information and communication about controls and monitoring activities.
Prerequisite: BUAD 115, BUAD 190 or equivalent with a C or higher. Offered: F, S.

BUAD 341 - Management Concepts for Project Managers
Besides knowing the key knowledge areas that are associated to project management, it is expected that project managers demonstrate high management and leadership skills. Project managers should be able to motivate and inspire team members, align team members to the correct areas on a project, build relationships, negotiate well and resolve conflicts. This course is designed to provide foundational concepts in management, and scenario based interactive sessions that will help students become better project managers and team players on a project.
Prerequisite: None. Offered: F, S.

BUAD 342 - Technical Writing for Project Managers
The work of project managers entails a large amount of communication as it relates to writing to inform or reading to understand. In this course students are taught the skills set that will allow them to communicate project information using appropriate
technical writing constructs. Students will also be taught the strategies to present project reports and proposals that are precise, thorough and convey professionalism.

Prerequisite: BUAD 341. Offered: F, S.

**BUAD 343 - Experiential Learning in Project Management**

In this course students will be provided with the opportunity to experience and report on real projects. Students will be asked to research real projects within the community and complete a formal project proposal to be evaluated for possible publication submission. The completion of BUAD 341 and 342 (prerequisites to this course) and this course will provide the students with the skills, knowledge, and capabilities necessary for managing project teams, writing project-based reports, and experiencing project environments.

Prerequisite: Can either be concurrent or previous. Offered: F, S.

**BUAD 360 - Quantitative Methods for Business and Economics (3)**

Exploration of mathematical techniques used in economics and business management with emphasis on applied problems and the relationship between technique and theory.

Prerequisite: ECON 260 with a C or higher. Offered: F, S, SS.

**BUAD 365 - Business Research and Report Writing (3)**

Comprehensive techniques of business reporting, which include surveying markets, summarizing findings, and writing analytical and informative reports.

Prerequisite: ECON 260 with a C or higher. Offered: F, S.

**BUAD 423 - E-Commerce**

The advent of Internet and the World Wide Web has had a profound effect on all aspects of the way a firm conducts its business. This new way of conducting business has changed the way a firm generates and delivers value, and the way it finds customers and creates markets. With this in mind, this course is intended to help students develop a broad understanding of the driving forces behind the expanding field of e-commerce: technology change, business development, and social issues. The emphasis of the course will be managerial focused rather than technically focused. The course will specifically explore areas in e-commerce as it relates to: business models and concepts; infrastructure; the presence and impacts of web sites, mobile sites, and apps; security and payment systems; marketing and advertising concepts; and, ethical, social, and political issues.

Prerequisite: BMIS 380 with a C or higher. Offered: F.

**BUAD 425 - Franchising (3)**

A survey of franchises, royalties and fees, legal implications of franchising, selection among franchise opportunities, franchise application process, franchise training, and operations.

Prerequisite: None. Offered: even F.

**BUAD 426 - Supply Chain Management (3)**

This course explores the functions of supply chain management. Topics discussed in this course include distribution network, sourcing, forecasting and integrated planning, supply chain coordination and information technology, global supply chain, outsourcing, logistics and transportation, inventory and warehousing, and supply chain performance measurement.

Prerequisite: MNGT 221 with a C or higher. Offered: S.

**BUAD 455 - Strategic Management (3)**

A capstone course that examines the managerial tasks of developing and implementing both domestic and international organizational strategies. This is a case method course. Cases are used from the text and from current business situations. Students learn to apply the tools of analysis and critical thinking to the strategic challenges managers face.

This is a Capstone course for the Business Administration degree and cannot be transferred in from other institutions.

Prerequisite: Senior standing, BFIN 311, MNGT 221, and MRKT 231, each with a C or higher; should be taken during student's final semester. Offered: F, S, SS.

**BUAD 456 - International Business (3)**

A study and investigation of environmental, policy-making, and cultural aspects of international business with focuses on business and managerial implications.
of each issue on the actual practice of international business. Many issues in international business are complex; they necessitate exploration of pros and cons of economic theories, government policies, business strategies, organizational structures, and social settings.

Prerequisite: Senior standing, BFIN 311, MNGT 221, MRKT 231, each with a C or higher. Offered: F, S, SS.

BUAD 489 - Project Management (3)
Lays foundation for understanding of project management concepts and principles. Prepares students to address challenges of managing business projects effectively through industry standard tools and technology. Covers key components including project integration, scope, time, cost, risk, and human resource management, and communications. Also prepares for Project Management Institute (PMI) certification.

Prerequisite: MNGT 221 or Permission of the Instructor. Offered: F.

BUAD 490 - Internship I (3)
Develops student awareness of the business environment, the real world of work as it relates to their majors, providing visibility and hands-on experience in various business settings, stimulating entrepreneurship, and exploring various business and career opportunities. May require weekly class attendance. Requires working 150 hours to earn 3 semester hours credit.

Prerequisite: MNGT 221, MRKT 231, BUAD 190, ACCT 210 with a C or higher; Junior/Senior standing, minimum GPA of 2.0. Offered: F, S, SS.

BUAD 492 - Internship II (3)
Emphasis is on developing student awareness of the business environment, the real world of work as it relates to their majors, providing visibility and hands-on-experience in various business settings, stimulating entrepreneurship, and exploring various business and career opportunities. Students may be required to attend weekly classes and must work 150 hours to earn 3 semester hours credit. Prerequisites: Junior or Senior standing, minimum 2.0 GPA.

Prerequisite: BUAD 490 with a C or better; junior/senior Standing, minimum GPA of 2.0. Offered: F, S, SS.

BUAD 495 - Independent Studies (3)
Students to explore topics of current interest or specialized research topics under the guidance of a faculty advisor. Course topics are intended to be flexible and creative, varying form each semester.

Prerequisite: Junior or Senior standing; permission of instructor; permission of department chair. Offered: F, S, SS.

CHEM - CHEMISTRY COURSE DESCRIPTIONS

CHEM 101 - General Chemistry I (3)
The first part of the general chemistry course in the two-semester sequence. Topics such as matter and measurement; atoms, molecules and ions; stoichiometry - calculations with chemical formulas and equations; types of chemical reactions, aqueous reactions and solution stoichiometry; thermochemistry; and electronic structure of atoms; will be discussed.

Corequisite: CHEM 101L. Offered: F; S; SS.

CHEM 101L - General Chemistry I Lab (1)
Provides the student with an introduction to general chemical principles and reinforces concepts of the General Chemistry 101 lecture. Laboratory experiments will provide the student with opportunities to collect and analyze data and identify unknowns. Three hours per week.

Corequisite: CHEM 101. Offered: F; S.

CHEM 102 - General Chemistry II (3)
The second part of the general chemistry course in the two-semester sequence. Topics such as periodic properties of the elements; basic concepts of chemical bonding; molecular geometry and bonding theories; gases; intermolecular forces; liquids, solids, and modern materials will be discussed.

Prerequisite: CHEM 101/CHEM 101L. Corequisite: CHEM 102L. Offered: F; SS.

CHEM 102L - General Chemistry II Lab (1)
Fundamental chemistry laboratory skills are emphasized for continued study of chemistry and related sciences and reinforce concepts of the General Chemistry 102 lecture. After successful completion of
this course, the student will have an understanding of basic chemical concepts. Three hours per week.

Prerequisite: CHEM 101L. Corequisite: CHEM 102. Offered: F; S.

**CHEM 115 - Basic General, Organic, Biochem I (4)**

A course in general chemistry with special emphasis on organic chemistry and biochemistry. A terminal course that does not meet requirements as a prerequisite for any higher level chemistry course. General, organic, and biochemistry and chemical applications in health professions. Introduces lab techniques in general, organic, and biochemistry.

Offered: F; S.

**CHEM 116 - Basic General, Organic, Biochem II (4)**

Continuation of CHEM 115.

Offered: F; S.

**CHEM 200 - Additional Topics in General Chemistry (3)**

Provides the biological, and /or the physical science major the opportunity to fill in any gaps that may exist in terms of the chemical topics needed to successfully pursue advanced knowledge in his or her chosen field of study. Needed topics not normally covered during enrollment in CHEM 101, and CHEM 102 will be undertaken. Topics such as acid-base equilibria, intermolecular forces, liquids, solids; modern materials; properties of solutions; chemical kinetics; chemical equilibrium will be discussed.

Lecture: Three hours per week.

Prerequisite: CHEM 102. Offered: F; S.

**CHEM 201/201L - Analytic Chemistry I (4)**

This course is intended to provide a sound, physical understanding of analytical chemistry by chemistry majors, as well as non-majors. This course is an introduction to the theory and practice of quantitative chemical analysis a major component of analytical chemistry involving the measurement of how much of a chemical substance is present in a sample submitted for analysis. (2 hours of lecture and three hours of laboratory)

Offered: F;S.

**CHEM 203 - Quantitative Analysis/Lab (4)**

This course is intended to give students a sound understanding of the principles and practice of determining relative and absolute concentration of chemicals in various kinds of samples. Analytical techniques such as gravimetry, volumetry, and argentometry will be thoroughly discussed and carried out in the laboratory. Statistical analyses of data generated in these techniques will be taught. Lecture: 2 hours; Laboratory: 3 hours.

Prerequisite: CHEM 102, CHEM 102L. Offered: F.

**CHEM 205 - Inorganic Chemistry/Lab (4)**

An introduction to modern concepts of inorganic chemistry including electronic structures, molecular structures and descriptive chemistry of elements. Additional topics covered include bonding theories, quantum theory, coordination chemistry, organometallic chemistry. The experiments chosen are to illustrate inorganic synthetic techniques, purification and characterization methods. Lecture: two hours; Laboratory: 2 hours

Prerequisite: CHEM 200. Offered: S.

**CHEM 301 - Organic Chemistry I (3)**

Serves as an introductory course to organic chemistry for students majoring in chemistry and other fields in which organic molecules and reactions have fundamental importance. The course covers nomenclature, preparation, physical, and chemical properties and synthesis of organic compounds, particularly aliphatic and alicyclic hydrocarbons such as alkanes, alkenes, alkynes as well as alcohols and alkyl halides. Lecture: three hours per week.

Prerequisite: CHEM 102/CHEM 102L. Corequisite: CHEM 301L. Offered: F; S; SS.

**CHEM 301L - Organic Chemistry I Lab (1)**

Focuses on experimental techniques of modern organic chemistry with emphasis on separation, simple preparation, reactions and identification of organic compounds such as alkanes, alkenes, and alkyl halides. Three hours of laboratory per week.

Prerequisite: CHEM 102/CHEM 102L. Corequisite: CHEM 301L. Offered: F; S; SS.

**CHEM 302 - Organic Chemistry II (3)**

Builds on basic concepts introduced in Organic Chemistry I and expands on it to encompass a systematic and in-depth study of the nomenclature, properties, preparation, and reactions of various classes of organic compounds. These include aromatic hydrocarbons, alcohols, ether, sulfides, epoxides, aldehydes, ketones, carboxylic acids and their derivatives. Spectroscopic techniques such as
NMR, FT-IR, and MS etc., used in the determination of the structure of organic compounds will also be discussed. Lecture: three hours per week.

Prerequisite: CHEM 301/CHEM 301L. Corequisite: CHEM 302L. Offered: F; S; SS.

**CHEM 302L - Organic Chemistry II Lab (1)**

Emphasizes the instruction of experimental methods of modern organic chemistry such as preparation, synthesis, identification, and reactions of organic compounds such as alcohols, ketones, carboxylic acids aromatic compounds, and their derivatives. Laboratory: three hours per week.

Prerequisite: CHEM 301/CHEM 301L. Corequisite: CHEM 302. Offered: F; S; SS.

**CHEM 350 - Chemistry Seminar (1)**

Assessment of a student's oral and written communication skills in the discussion and presentation of multifaceted chemical concepts and current topics of interest. Course content will focus on recent advancements in chemistry.

Prerequisite: CHEM 205, CHEM 302. Offered: S.

**CHEM 395 - Introduction to Neurochemistry (3)**

Investigates the biological and chemical processes involved in central nervous system functioning and communication. It is a study of the nervous system from its structure, chemical, molecular and cellular biology, and function through to the consequences of its action, which is behavior. Emphasis will include the chemical aspects of synthesis, metabolism, and release of neurotransmitters and how drugs (legal or illegal) affect behavior. The neurodegeneration in such behavioral and neurological disease states as Alzheimer's disease, Parkinson's disease, multiple sclerosis and diabetic neuropathy will be discussed. Current research topics in this area will also be presented. Lecture: three hours per week.

Prerequisite: CHEM 302 or BIOL 307. Offered: F.

**CHEM 401 - Biochemistry (3)**

Covers the chemistry of essential biological molecules focusing on protein chemistry, while covering lipids and carbohydrates. It presents a systematic and methodical application of general and organic chemistry principles. Examines the structure of proteins and folding, their function, their binding to other molecules. Enzymes, mechanisms, kinetics, and allostery; bioenergetics; vitamins and coenzymes; introduction to intermediary metabolism are discussed in detail. Metabolic pathways are examined from thermodynamic and regulatory perspectives. This course provides the connection between the inert world of chemistry and the living world of biology.

Prerequisite: CHEM 301/CHEM 301L. Corequisite: CHEM 401L. Offered: F; S.

**CHEM 401L - Biochemistry Lab (1)**

Focuses on the fundamental techniques of protein biochemistry. The course will cover assay methods; separation of macromolecules by electrophoresis and chromatography; isolation, purification, analysis of enzymes, and methods for probing protein-ligand interactions. Three hours per week.

Offered: F; S.

**CHEM 402 - Biochemistry II (3)**

Provides a broad overview of the key concepts in biochemistry. Topics to be covered include lipids and amino acids metabolism and metabolic diseases processes. The nucleic acid structure and function, DNA replication, transcription, translation, signal transduction, and regulation of gene expression in prokaryotes and eukaryotes will be covered widely. The course also covered topics include cell cycle regulation and cancer biology. Lecture: three hours per week.

Prerequisite: CHEM 401/CHEM 401L. Offered: F; S.

**CHEM 402L - Biochemistry II Lab (1)**

Focuses on the fundamental techniques of biochemistry. The course will cover assay methods; separation of macromolecules by electrophoresis and chromatography; isolation, purification, and analysis of enzymes; recombinant DNA procedures; and polymerase chain reaction (PCR). Three hours per week.

Offered: F; S.

**CHEM 403 - Physical Chemistry I (3)**

Provides students with an overview of the basic laws and theories of physical chemistry. Reviews the mathematics, and physics needed for physical chemistry, the three states of matter, perfect and real gases, the gas laws, the four laws of chemical thermodynamics and their applications, and equilibrium thermodynamics.
Prerequisite: CHEM 200; MATH 165; PHYS 181L or PHYS 192. Corequisite: CHEM 403L. Offered: F; S.

CHEM 403L - Physical Chemistry I Lab (1)
Experiments pertinent to the gas laws, Beer's law, and thermal conductivity of industrial materials. Laboratory: three hours per week.

Corequisite: CHEM 403. Offered: F; S.

CHEM 404 - Physical Chemistry II (3)
Gives students an overview of the basic laws and theories of Physical Chemistry: Chemical Kinetics, Electrochemistry, Quantum Chemistry, and Statistical Thermodynamics. Lecture: three hours per week.

Prerequisite: CHEM 403L. Corequisite: CHEM 404L. Offered: S.

CHEM 404L - Physical Chemistry II Lab (1)
Laboratory experiments are designed to reinforce the concepts covered in CHEM 404. Laboratory: Three hours per week.

Corequisite: CHEM 404. Offered: S.

CHEM 406 - Instrumental Methods of Chemical Analysis/Lab (4)
This course focuses on the identification and quantitation of chemical entities using modern instrumental techniques such as nuclear magnetic resonance spectroscopy, mass spectrometry, Atomic absorption spectroscopy, gas-liquid chromatography and others. Lecture: 2 hours; Laboratory 3 hours.

Prerequisite: CHEM 203. Offered: F.

CHEM 407 - Applied Biochemistry (4)
Reviews the chemistry of macromolecules in living systems with emphasis on biotechnological and biomedical methods. The first part of the course will focus on the relationship between the chemistry, structure, and function of proteins, nucleic acids, carbohydrates, lipids, and membranes. Critical methods used in modern biochemistry to analyze macromolecules in biotechnological, biomedical and research interests will be covered. The final topics will be concerned with informational biochemistry, DNA replication, DNA recombinant technology and cloning methods, transcription factors analysis, sequencing techniques (DNA and protein), microarrays, and SiRNA. Extensive use of the Internet's resources (Pubmed etc.) and on-line journals will be also expected. This approach will assist the student to make the connection between abstract ideas and concrete applications.

Offered: F; S.

CHEM 425 - Selected Topics in Organic Chemistry (4)
Serves as a bridge between a yearlong organic chemistry courses and graduate courses in organic chemistry for those students who plan to go to graduate school. It is an in-depth treatment of the fundamentals and topics not covered in the two semester organic chemistry courses. The course focuses on structure and bonding, physical and chemical properties of various families of organic compounds as well as reaction mechanisms and synthesis. 3 hours of lecture per week.

Prerequisite: CHEM 302/CHEM 302L. Offered: F; S.

CHEM 430 - Introduction to Medicinal Chemistry (3)
Introduce undergraduate seniors and juniors to a complete course in medicinal chemistry, from first principles of drug action, to design and development, and to specific drugs. The course covers the structures and functions of important drug targets such as receptors, enzymes and nucleic acids, as well as pharmacodynamics and pharmacokinetic properties of drugs. General principles that apply in the discovery, design, and development of new drugs as well as classes of drugs will be discussed.

Offered: F.

CHEM 435 - Special Topics In Physical Chemistry (3)
Covers one or more of the following areas of Physical Chemistry: quantum chemistry, spectroscopy, statistical thermodynamics, and chemical kinetics. Three hours of lecture per week.

Prerequisite: CHEM 404/CHEM 404L, MATH 267; PHYS 182/PHYS 182L. Offered: F.

CHEM 440 - Advanced Organic Chemistry (4)
This course is an essential addition to the yearlong organic chemistry courses chemistry majors are required to take. It is an in-depth treatment of the fundamentals and topics not covered in the two semester organic chemistry courses. The course focuses on structure and bonding, physical and chemical properties of various families of organic compounds as well as reaction mechanisms and synthesis. 4 hours of lecture per week.
Prerequisite: CHEM 302 and CHEM 302L. Offered: S.

CHEM 450 - Chemistry: An Integrated Approach (3)
Test the upper-level student's understanding and mastery of Chemistry as a discipline and subject matter in terms of the five main branches of the subject. It is not intended to be a chalk-and-talk course in the traditional sense. The main goal of the course is to determine how well the aspiring Chemistry major has been prepared in making the transition from being a major to being a professional in the field at the work place, and/or has been prepared for Graduate /Professional Schools at the next level of his/her educational career. Essential topics in General Chemistry, Analytical Chemistry, Biochemistry, Inorganic Chemistry, Organic Chemistry, and Physical Chemistry will be tabled for discussions and testing purposes.

Prerequisite: Prior knowledge of chemistry is required, and so are relevant concepts in mathematics and physics. It is assumed that the student has seen/learned most, if not all, of the material covered in the course at an earlier date. Offered: F; S.

CHEM 499 - Chemical Research (1-3)
Faculty supervision of student research in chemistry. Open to junior and senior students with demonstrated ability to carry out independent work in chemistry. Students may re-enroll for up to three semester hours of credit.

Prerequisite: Consent of Instructor/Department Chairperson. Offered: F; S.

CHIN - FOREIGN LANGUAGES COURSE DESCRIPITONS

CHIN 101 - Introduction to Chinese I (3)
Students learn and master basic grammatical structure, in addition to being introduced to increasingly complicated forms of expression. Students will use Chinese at a basic introductory level after this course.

CHIN 102 - Introduction to Chinese II (3)
A continuation of CHIN 101. Students continue to learn and master basic grammatical structures, in addition to being introduced to increasingly complicated forms of expression. Students will use Chinese with greater regularity to communicate in class.

Prerequisite: CHIN 101.

CJ - CRIMINAL JUSTICE COURSE DESCRIPTIONS

CJ 201 - Introduction to Criminal Justice (3)
An introduction to the administration of criminal justice in a democratic society through its primary agencies: police, courts, and corrections. This course emphasizes the theoretical and historical development of law enforcement through the influences of human behavior and the resulting impact on social, economic, and environmental factors.

Offered: F; S.

CJ 203 - Criminal Justice Ethics (3)
Overview of the major philosophical schools of ethics and the application of ethical systems and standards to decision making by professionals working in every part of the criminal justice system.

Offered: F or S.

CJ 204 - Corrections (3)
Examination and development of managerial concepts of correctional institutions and study of rehabilitation programs at state and federal levels.

Offered: F; S.

CJ 206 - Police in American Society (3)
Examines the role of the police in society, including police organization and functions, subculture, and police power and authority. Police problems and issues, and the recruitment, training, and careers of police officers are also discussed.

Offered: F; S.

CJ 208 - Substance Abuse (3)
Explores the relationship of crime to alcohol and narcotics use. Characteristics of individuals likely to use illicit drugs will be examined in the conflict between individual freedom and society's desire to control drug use, as well as facts and myths regarding the role alcohol and other drugs play in criminal behavior. Strategies to combat the growing problem will be identified.

Prerequisite: No Prerequisite. Offered: F or S.
CJ 210 - Juvenile Justice System (3)
Procedural and substantive aspects of the juvenile justice system as it relates to intake, hearings, corrections, and rehabilitation programs.
Prerequisite: No Prerequisite. Offered: F; S.

CJ 211 - Diversity in Criminal Justice (3)
An examination of individual differences among professionals and those served in the criminal justice system. With a focus on positive solutions, the course examines gender, race, sexual orientation, religion, immigration, and how diversity offenders, victims, and practitioners.
Prerequisite: No Prerequisite. Offered: F; S; SS.

CJ 212 - Women and the Criminal Justice System (3)
This course provides a comprehensive and unique view into the world of women interacting with the criminal justice system. The course explores three key issues as they related to women dealings with the criminal justice system: the female offender, the female crime victim, and the female employee or administrator. The course will approach these issues from a historical and contemporary context. It will examines specific types of criminality and victimization common to women as well as opportunities for women to participate in the administration of the criminal justice system as employees. The course will also address the relationships between female criminality, victimization, and employment and broader social, political, and economic definitions of female deviance and conformity.
Prerequisite: No Prerequisite. Offered: F; S; M.

CJ 217 - Victimology (3)
Research studies dealing with control of these issues: terrorism, homicide, gangs, serial crimes of violence, interpersonal violence, and sexual assault. Emphasizes crimes involving weapons.
Prerequisite: No Prerequisite. Offered: F or S.

CJ 310 - American Constitution Law (3)
Study of basic principles of the American Constitutional System. Emphasizes judicial interpretation and application of these principles in construing powers of the government and the rights of the people. Historical background and analysis of major federal court decisions.
Prerequisite: CJ 201. Offered: F; S.

CJ 311 - Advanced Criminal Law and Jurisprudence (3)
Presents a basic concept of criminal law and creates an appreciation of the rules under which one lives in our government. Particular emphasis upon the definitions of crime against the person, property, and specific offenses.
Prerequisite: CJ 201. Offered: F; S.

CJ 312 - Criminal Evidence (3)
Familiarization with the rules of evidence as well as reasons for the rules; instruction in collecting, protecting, and presenting evidence so that its admissibility will be assured.
Prerequisite: CJ 201. Offered: F or S.

CJ 314 - Criminal Procedure (3)
An in-depth survey of pre-trial and post-trial procedures. Considers applications of constitutional principles.
Prerequisite: CJ 201. Offered: F or S.

CJ 316 - Research Methods in Criminal Justice and Lab (4)
An introduction to research design as applied to problems in crime and criminal justice. Includes an introduction to the scientific method, basic research designs, and data collection techniques.
Prerequisite: CJ 392. Offered: F; S.

CJ 381 - Crime Myths and Moral Panic (3)
This course introduces students to the societal myths that exist regarding criminal behavior. Specific emphasis will be placed on the critical analysis of how the social institutions of government and mass media enable the construction and growth of these crime myths.
Prerequisite: CJ 201. Offered: F or S.

CJ 391 - Criminological Theory (3)
Prerequisite: CJ 201. Offered: F; S.

CJ 392 - Statistics in Criminal Justice (3)
An introduction to elementary statistical methods as applied to problems in crime and criminal justice. Includes an introduction to problems of data
Course Descriptions

description, data analysis, hypothesis testing and inference, and an introduction to the use of computers.
Prerequisite: CJ 201. Offered: F.

CJ 400 - Juvenile Delinquency (3)
Conceptions and theories of juvenile delinquency, treatment of juvenile offenders, and preventive programs.
Prerequisite: CJ 210. Offered: F; S.

CJ 406 - Introduction to Jurisprudence (3)
Study of the various schools and theories of jurisprudence, historical development of legal systems, legal reasoning, and juristic processes.
Prerequisite: CJ 201. Offered: F or S.

CJ 410 - Prosecution and the Courts (3)
Reviews the functions and practices of the prosecutor with special reference to an analysis of the interrelationships among charging, convicting, and sentencing, and in relation to the functions of police and probation staff. Provides an overview of court goals, functions, and potential for system reform.
Prerequisite: CJ 201. Offered: F or S.

CJ 489 - Senior Seminar in Criminal Justice (3)
Evaluation of criminal justice agencies. Review of actual applied issues and research-based solutions. Deployment of intellectual and academic skills to find solutions to problems.
Prerequisite: CJ 201 and 100 credit hours towards Criminal Justice degree. Offered: F; S.

CJ 492 - Public Policy in Criminal Justice (3)
A study of the nature, development, and utilization of public policy within agencies of the criminal justice system. Topics include policy formulation, constraints on policy makers, influence of constituencies, and the role of research information. Case studies of issues such as crime control, prison overcrowding, police use of deadly force, the death penalty, and parole guidelines will be undertaken.
Prerequisite: CJ 201. Offered: F or S.

CJ 495 - Special Topics (3)
Examines new and emerging topics in the criminal justice field not otherwise covered in the curriculum. Topics will be offered periodically based on the acknowledged needs of the field and the availability of the instruction.
Prerequisite: CJ 201 or Permission of Instructor. Offered: F; S; SS.

CJ 496 - Comparative Criminal Justice (3)
A general introduction to the world's main legal systems. Comparative study of the administration of justice, procedural problems, and selected substantive legal institutions.
Prerequisite: CJ 201. Offered: F or S.

CJ 498 - Directed Study in Criminal Justice (3)
Independent reading and research in Criminal Justice. Papers and oral reports as appropriate.
Prerequisite: CJ 201. Offered: F or S.

CJ 499 - Criminal Justice Internship (6)
Internship designed to combine theoretical knowledge with practical work by allowing students to participate in Criminal Justice agencies in the community. In addition, students must complete 200 work hours and submit work logs and a research paper or report on some aspect of the agency.
Prerequisite: One hundred hours of course work towards the Criminal Justice degree. Contract must be filed the semester before the internship begins. (A criminal justice major may waive the internship requirement and take two 400 level elective criminal justice courses). Offered: F or S.

COM - COMMUNICATIONS STUDIES

COURSE DESCRIPTIONS

See other Course Listings under Mass Communications.

COM 200 - Interpersonal Communication (3)
Focuses on communication as a means of building and sustaining interpersonal relationships. Concepts of perception, attraction, self-disclosure, listening, verbal and non-verbal messages, conflict management, and gender communication.
Prerequisite: ENGL 102, ENGL 201, ENGL 202. Offered: F.

COM 201 - Intercultural Communication (3)
Analyzes variables across intercultural contexts, including culture and meaning, nonverbal styles,
patterns of symbolic transfer, and the influence of values on intercultural dialogue. Diversity issues and identity politics are also explored as a basis for understanding interracial communication and interfaith dialogue.

Offered: S.

CSC - COMPUTER SCIENCE COURSE DESCRIPTIONS

CSC 111 - Introduction to Computer Applications (3)
Introductory course for non-computer science majors about computers and how they work. Gives students hands-on experience with personal computers and productivity software. Applications covered include word processing, electronic spreadsheets, a database management system, and graphic presentation packages.

Offered: F; S; SS.

CSC 114 - Introduction to Computer Science (3)
Provides students with a basic understanding of programming practices and problem-solving skills. Concepts covered include number systems, the history and components of computers, flowcharting, pseudocode methodologies, understanding of programming practices, algorithms, test cases, and software development concepts.

Offered: F; S; SS.

CSC 115 - Programming I (3)
This course provides an introduction to programming and is taught in a high level programming language. The topics covered are data types, expressions, assignment, selection, repetition, introduction to arrays, functions, and recursion. Students are required to do programming projects.

Prerequisite: ENGT 100. Offered: F; S; SS.

CSC 160 - Computer Science Majors Orientation Seminar (1)
A survey of computer science as a discipline and a profession with a focus on the mastery of useful modules for becoming an efficient and an effective computer scientist in both academia and the workplace.

Offered: F; S.

CSC 210 - C++ Programming (3)
This course provides and introduction to C++ programming. Topics include data types; expressions; input, output, assignment, selection, and repetition statement; arrays; methods and classes.

Prerequisite: MATH 115. Offered: F.

CSC 215 - Programming II (3)
This is the second course in the programming series and covers I/O file stream objects and methods, classes and objects, operators, inheritance and polymorphism, dynamic objects, the string class and exception handling, standard template library and structures, dynamic and static arrays, reference variables.

Prerequisite: "C" or better in CSC 115. Offered: F; S.

CSC 218 - Data Structures (3)
Introduction to Algorithmic Complexity; Object-Oriented Concepts; Container Class and Templates; Pointers; Linked Lists; Stacks; Queues; Recursion; Trees; Bubble; Insertion; and Merge Sort; Linear and Binary Searching; Graphs.

Prerequisite: "C" or better in CSC 215 or CSC 230. Offered: F; S.

CSC 220 - Object-Oriented Programming (3)
Understand and use object-oriented programming concepts using a high-level programming language. Students learn fundamental data types, basic control structures, classes, objects, methods, arrays, string processing, file I/O, templates, recursion, lists, searching, sorting, inheritance, polymorphism, graphics, GUI, and multithreading.

Prerequisite: "C" or better in CSC 115. Offered: F, S.

CSC 240 - Introduction to Cybersecurity (3)
This course introduces security core concepts, terminology, technologies, and skills. The students will gain insight into the importance of cybersecurity and the integral role of cybersecurity professionals. Major security topics covered will include attacks, spyware, security architecture, hacking, firewalls, incidents, intrusion, and emerging IT and IS technologies.

Prerequisite: "C" or better in CSC 115. Offered: F.
CSC 260 - Sophomore Seminar in Computer Science (1)

History of Computing; Social Context; Analytical tools; Professional Ethics; Risks; Security Operations, Intellectual Property, and Privacy and Civil Liberties. Designed to give students an introduction to the major and to provide the basic knowledge, overview, and foundation for the curriculum.

Prerequisite: "C" or better in CSC 215 or CSC 230. Offered: S.

CSC 300 - Introduction to Mobile Robotics (3)

Design, construction, and programming of mobile robots. Topics include computational hardware, sensors, motors, power, locomotion, kinematics, perception, and localization.

Prerequisite: "C" or better in CSC 218. Offered: S.

CSC 305 - Introduction to Bioinformatics (3)

This course studies the application of computing techniques to solving problems in the field of bioinformatics and computational molecular biology. You will gain practical experience in the use of bioinformatics tools and algorithms and will utilize APIs for scientific programming and data visualization.

Prerequisite: "C" or better in CSC 115. Offered: F.

CSC 314 - Computer Architecture and Organization (3)

Digital Logic and Data representation; Computer Architecture, Organization, and Abstraction; Interfacing and I/O Strategies; Instructions; Computer Arithmetic; Processor; Memory Architecture; Storage Multiprocessing; Performance; Distributed Architectures.

Prerequisite: "C" or better in CSC 215 or CSC 230. Offered: F; S.

CSC 315 - Programming Languages Concepts (3)

Programming Languages Overview; Different Phases of Language Translation; Parsing; Syntax Analysis; Semantic Analysis; Declarations and Types; Scopes; Concurrency; Code Improvement; Abstraction and Object Oriented Programming; Functional Programming; Logic Programming; Scripting and Markup Languages.

Prerequisite: "C" or better in CSC 218. Offered: F.

CSC 318 - Algorithms (3)


Prerequisite: "C" or better CSC 218. Offered: F.

CSC 322 - UNIX Administration & System Programming

This course covers a detailed introduction to UNIX operating system from the administrator perspective, test manipulation techniques using grep, sed, and awk, shell, and other system programming.

Offered: S.

CSC 325 - Database Systems (3)

Provides an introduction to database systems. Topics include data models, with a focus on relational database models, database design, transaction management, and SQL using a readily available database management system and applicable languages to reinforce concepts.

Prerequisite: "C" or better in CSC 218. Offered: F; S.

CSC 335 - Introduction to Web Design (3)

This course will provide a basic understanding of the methods and techniques of developing a moderately complex web site using client-side and server-side programming languages. Students will produce a project that consists of a medium design effort.

Prerequisite: "C" or better in CSC 325. Offered: F.

CSC 401 - Data Mining & Machine Learning (3)

The course covers the most important data mining techniques and provides background knowledge on how to conduct a data mining project. It also gives a basic introduction to data analysis. After defining what knowledge discovery and data mining is, data mining tasks such classification, clustering, and association analysis will be discussed in detail. Basic data analysis techniques, centering on basic visualization techniques and statistics, to get a better understanding of the data mining task at hand will be covered. Moreover, techniques how to preprocess a data set for a data mining task will be introduced. Moreover, in course projects you will obtain hands on
experience in conducting data mining and data analysis projects.

Prerequisite: Consent of Instructor or Junior Classification. Offered: F.

CSC 409 - Artificial Intelligence (3)
An introduction of the basic concepts and problem-solving techniques of artificial intelligence, the study of computers in context with human thought processes. Topics include heuristic programming, knowledge representation, natural language understanding, expert systems, and search strategies. One or more computer languages will be used.

Prerequisite: "C" or better in CSC 315 or MATH 351. Offered: S.

CSC 410 - Net-Centric Computing (3)

Prerequisite: "C" or better in CSC 314. Offered: F.

CSC 412 - Software Engineering (3)
Discusses topics related to software design including various software lifecycle methodologies. Students are expected to complete a software design effort that models the phases of a software lifecycle.

Prerequisite: "C" or better in CSC 325. Offered: F.

CSC 413 - System Analysis and Design (3)
A survey of techniques for performing system analysis and system design tasks. Includes sources of error in developing software, fundamental steps in developing software, duties and responsibilities of the System Analyst, automation of software development, problems in software development, the software life cycle, standard software development models, object-oriented software development, trends in software development, and metrics. Students will produce a term project that consists of a medium/large design effort.

Prerequisite: "C" or better in CSC 325. Offered: S.

CSC 414 - Python Programming & Visualization (3)
This course provides students with in-depth understanding on Python programming and its applications in visualization. Concepts covered include package generation, scope, exception, generator, coding style, documentation, Jupyter, numpy module, panda module, matplotlib module, and other relative modules.

Prerequisite: "C" or better in CSC 115 and MATH 351. Offered: F.

CSC 415 - Computer Graphics (3)
Fundamental Techniques; Graphic Systems; Graphic Communication; Geometric Modeling; Basic Rendering; Advanced Rendering; Advanced Techniques; Computer Animation; Visualization; Virtual Reality; Computer Vision; Computational Geometry; and Game Engine Programming.

Prerequisite: "C" or better in CSC 218 and MATH 351. Offered: Upon Request.

CSC 420 - Operating Systems (3)
Overview of Operating Systems; Operating Systems Principles; Concurrency; Scheduling and Dispatch; Memory Management; Device Management; Security and Protection; File Systems; Real Time and EmbEd.D.ed Systems; Fault Tolerance; System Performance Evaluation; Scripting; Security Models; and Device Management.

Prerequisite: "C" or better in CSC 218. Offered: S.

CSC 421 - Topics In Computer Science (3)
Topics of current interest in Computer Science that would aid in the development of student's growth and development as a Computer Scientist.

Prerequisite: Consent of Instructor or Junior or Senior classification. Offered: Upon Request.

CSC 430 - Undergraduate Research in Computer Science (3)
Directed study in an existing area of computer science resulting in a research project.

Prerequisite: Consent of Instructor or Junior or Senior classification. Offered: Upon Request.

CSC 435 - Advanced Web Design (3)
This course provides students with state of the art web programming techniques and frameworks. Concepts covered include HTML5, CSS3, Javascript, JQuery, Bootstrap, Angular, Symphony, MySQL, mongoDB, and other relative techniques.

Prerequisite: "C" or better in CSC 230 and CSC 335. Offered: F.
CSC 451 - Numerical and Symbolic Computing (3)
Solving mathematical models using various algorithms; implementing algorithms using symbolic software such as Mathematica; error analysis; sources, propagation and measurement; differentiation; nonlinear equations; systems of equations (non-iterative and iterative methods); interpolation and extrapolation; numerical solutions of differential equations, and eigenvalue problems.
Prerequisite: "C" or better in MATH 265 and either CSC 115 or CSC 230. Offered: S.

CSC 452 - Internship (3-6)
Students engage in supervised experience with business, industry, or government. Evaluation to be based on written reports by employer and University supervisor.
Prerequisite: Consent of Instructor. Offered: F; S; SS.

CSC 460 - Senior Seminar in Computer Science (2)
Provides students the opportunity to demonstrate their accumulated knowledge, skills, and growth in the major.
Prerequisite: Consent of Instructor and Senior classification. Offered: S.

DGM - DIGITAL MEDIA
DGM 159 - Interactive Video (3)
Introduction to visual and graphic communication in the print media involving perception, typography, picture editing, and basic computer skills. Techniques of editing video and writing for electronic publishing.
Offered: S.

DGM 165 - Digital Media Communications (3)
A course to study state-of-art theories and production of digital communication by developing artistic, academic, professional, and technical proficiency using digital media.
Offered: F; S.

DGM 260 - Film Theory & Cinematography (3)
An introduction to the appreciation of feature films, with concentrations on film genres and criticism. Emphasizes representative American films from the early 20th century to the present. Includes viewing representative films from various film genres and eras.
Offered: F; S.

DGM 298 - Social Media Analysis (3)
This course surveys various methods and practices of using social media for marketing and political purposes. The course prepares students how to collect, study, and analyze information presented on social media.

DGM 325 - Drone Cinematography (3)
This course teaches students how to use drones for cinematography. There is a growing demand and business for drones to be used in documentaries, promo reels, and other professional uses, thus teaching students how to fly and film is critical.
Offered: F, S.

DGM 371 - Digital Storytelling (3)
Digital Storytelling is an important skill to learn and produce when it comes to digital media. Students in the class will learn how to create narratives related to short documentaries, highlighting profiles or venues.
Offered: F, S.

ECON-ECONOMICS-FINANCE-COURSE-DESCRIPTIONS
ECON 201 - Principles of Economics I (3)
An introduction to macroeconomics, including a study of economic institutions and relationships in society. Resource allocation, the market system, national income accounting and analysis, the banking system, and monetary and fiscal policy are analyzed and discussed. Partially fulfills GE requirement in Social & Behavioral sciences.
Offered: F, S, SS.

ECON 201H - Principles of Economics I Honors (3)
An introduction to macroeconomics including the economic system as a whole. Covers aggregate economic relationships and institutions; discusses and analyzes resource allocation, the market system, national income measurement, the banking system, monetary and fiscal policy, inflation, recession, economic growth and international exchange markets in the context of a private enterprise system.
Prerequisite: Membership in Honors Program. Offered: F.

ECON 202 - Principles of Economics II (3)
An introduction to microeconomics including a study of the individual firm, supply and demand, market structures, the pricing of resources, and the theory of distribution. Contemporary economic problems such as the farm problems, market structures and the public interest, and international trade are discussed. Partially fulfills GE requirement in Social & Behavioral Sciences.

Prerequisite: None. Offered: F, S, SS.

ECON 260 - Business/Economics Statistics I (3)
Statistical methods, including measures of central tendency, dispersion, sampling, probability, and regression analysis.

Prerequisite: MATH 115 with a C or higher. Offered: F, S.

ECON 261 - Business/Economics Statistics II (3)
This course is a continuation of Business & Economics Statistics I course and covers the theory of statistical analysis with practical application in business scenarios. Topics covered will include hypotheses testing, chi square tests, ANOVA, linear regression analysis, time series analysis, and forecasting. The course will also make use of statistical software for analysis.

Prerequisite: ECON 260 or STAT 251 with a C or higher. Offered: F, S.

ECON 318 - Money, Credit, and Banking (3)
Study of subjects from the viewpoint of the businessman, banker, and the public. Examines development and present status of the American money market, credit controls, monetary policy, debt management, and monetary theory.

Prerequisite: ECON 201 and ECON 202, each with a C or higher. Offered: S.

ECON 325 - Current Economic Problems (3)
Study of domestic and international economic problems and proposed solutions. Trends such as employment, inflation, poverty, the gold flow, and farm problems are analyzed.

Prerequisite: ECON 201, ECON 202. each with a C or higher. Offered: F.

ECON 360 - Econometrics (3)
This course exposes students to the statistical techniques Economists use for estimating, testing, and forecasting economic relationships. The course also involves empirical testing of data using various econometric methodologies. Significant emphasis will be given to the use of statistical software packages.

Offered: F, S.

ECON 376 - Public Finance (3)
Public expenditures, federal and state revenue systems, financial administration, budgeting, and public debt management.

Prerequisite: ECON 201 and ECON 202, each with a C or higher. Offered: F.

ECON 398 - Special Topics in Economics (3)
Topics of special interest to business students may be offered, or a request by a group of students for a specific course not otherwise available. The students conduct study of these topics as business electives.

Prerequisite: Junior or Senior standing and the department chair's written consent. Offered: F, S, SS.

ECON 435 - Economic Development (3)
This course will introduce students to the basic issues of economic growth and development, poverty, and inequality. The course will help students distinguish between highly developed and less developed economies, and what causes this difference. Relevant government policies in the context of economic development will also be discussed.

Offered: F, S.

ECON 455 - International Economics (3)
Analysis of the flow of goods and services between countries and the financial aspects of international trade. Includes benefits from trade, restraint of trade, terms of trade, financial trade, and the balance of payments analysis.

Prerequisite: MNGT 221, MRKT 231 and BFIN 311, each with a C or higher. Offered: S.

ECON 470 - Microeconomic Analysis (3)
Development of methods in economic analysis and the application of these methods to problems of price and production under conditions of competition,
monopoly, monopolistic or imperfect competition, and oligopoly.

Prerequisite: ECON 201, and ECON 202, each with a C or higher. Offered: F.

ECON 480 - Macroeconomics Analysis (3)
Study of determinants of income, employment, and interest rates with emphasis on government policy to stabilize economic conditions.

Prerequisite: ECON 201, and ECON 202, each with a C or higher. Offered: F.

EDUC - EDUCATION COURSE DESCRIPTIONS

EDUC 203 - Introduction to Computer Instructional Technology (3)
Provides pre-service teachers with an introduction to the instructional use of technology. Emphasizes current computer competencies as set forth by the North Carolina Department of Public Instruction and standards of the International Society for Technology in Education (ISTE).

Offered: F; S.

EDUC 210 - Professional Studies I: Introduction to Education (3)
First course in a required four-course sequence which addresses advocating for diversity, effective classroom facilitation, reflective practice, critical thinking, instructional technology, and competent evaluation. Fifteen (15) hours of classroom observation/participation is required. Students must complete a background check.

Offered: F; S; SS.

EDUC 220 - Praxis Seminar (3)
Sophomore Seminar is designed to give students interested in teacher education an orientation to the program as well as an opportunity to develop knowledge and skills which prepare them for the Praxis Core Academic Skills for Educators. Instruction focuses on the content areas of the exam, reading, writing and mathematics.

Offered: F, S.

EDUC 225 - Exploration in Mathematics (3)
This hands-on course develops in-depth conceptual understanding of the underlying principles of elementary mathematics. Students create hands-on mathematical materials appropriate to various developmental levels of learning.

Offered: F.

EDUC 279 - Multicultural Education (3)
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.

Prerequisite: Consent of Chair; Admission to Teacher Education. Offered: F.

EDUC 350 - Teaching Intermediate & Content Reading (3)
This course will address the requirements of reading across a wide range of texts, including content reading. In addition candidates will be placed in a 30-hour supervised field experience at a designated school. Students will be required to complete specific assignments and tasks that relate to a variety of scientifically-validated instructional strategies for comprehension, vocabulary development, and decoding. Students will investigate ways to motivate and engage 21st century student using multiple intelligences and will utilize technology to support literacy skills and strategies.

Prerequisite: Admission to the Educator Preparation Program. Offered: F.
EDUC 360 - Teaching and Assessment (3)
In this required course, students develop knowledge of the relationship between teaching and assessment, and they learn how to plan for classroom assessment to improve student learning.
Prerequisite: Admission to the Educator Preparation Program.

EDUC 370 - Introduction to Positive Behavior Support and Classroom Management (3)
Provides students with the knowledge and skills to conduct functional behavior assessments, develop and implement behavior plans based on results of those assessments, and utilize the principles of positive behavior support. Research-validated instructional strategies will be utilized to facilitate learning across the curriculum.
Offered: S.

EDUC 410 - Professional Studies IV: Instructional Leadership and Methods (3)
Candidates will demonstrate skill in a variety of instructional methods and team collaboration. Candidates work collaboratively with P-12 partners to interpret school improvement data and implement a project related to the School Improvement Plan that will positively impact student learning. Candidates should take this course during the semester prior to student teaching. 45-hours field experience and admission to the Educator Preparation Program.
Prerequisite: A Criminal Background check, 30 hours of clinical field experience, and admission to the Educator Preparation Program. Offered: F.

EDUC 426 - Music Methods in the Elementary School (2)
This is a music methods course designed for elementary school level. This course covers music education theories of learning and development, methods, materials, curricula, philosophy, lesson planning, computer literacy, advocacy, and strategies and techniques for teaching music in a diverse environment. Includes the introduction of classroom instruments, recorder, and guitar. Directed laboratory experiences in the public schools are included. Classroom observations required.
Prerequisite: Admission to the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 427 - Music Methods in the Secondary School (2)
This is a music methods course designed for the secondary school level. This course covers music education theories of learning and development, methods, materials, curricula, philosophy, lesson planning, assessment strategies and procedures, financial management, use of technology, classroom management and techniques and strategies for teaching music. Directed laboratory experiences in the public schools are included. Classroom observations required.
Prerequisite: Admission to the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 430 - Secondary Instructional Methods (9-12) (3)
An integrated approach emphasizing competencies related to teaching at the secondary level regardless of content area(s). Includes modules such as computer application, school law, audiovisual aids, voice and diction, and lesson planning; culminates with a major teaching presentation. Classroom observation required.
Prerequisite: Department Chair's written consent; Admission to the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 430A - Secondary Instructional Methods (9-12) Social Studies/History (3)
An integrated approach emphasizing those competencies related to teaching at the secondary level for the Social Studies content area. The course will include modules such as computer application, school law, audiovisual aids, presentation, and lesson planning; and culminate with a major teaching presentation. Classroom observation required (30 hours minimum).
Prerequisite: Admission to the Educator Preparation Program. Students must complete a background check. Offered: S.

EDUC 435 - Observation and Supervised Teaching in Elementary Education (K-6) (9)
A complete clinical experience. Students teach children in grades K-6 in actual classroom situations. They are appropriately supervised in approved elementary schools in a public school system. In this challenging and supportive environment, the student further develops in the dynamic practice of making
effective instructional decisions. The student begins to apply all appropriate teaching models with expert flexibility and develops into a competent practitioner ready to prepare a widely diverse student population for lifelong learning.

Prerequisite: Completion of all coursework; Advisor approval; Admission in the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 440 - Methods and Materials of Teaching Physical Education and Health (3)

The purpose of this course is to provide the students with knowledge and skills in the methods and techniques necessary to effectively plan and teach physical education and health programs. This course is behavior analytic in nature and will be based on developing behaviors that will help the students taking this course succeed in the course and in future educational endeavors.

Prerequisite: Completion of all coursework; Advisor approval; Admission to the Educator Preparation Program. Offered: F; S.

EDUC 443 - Observation and Supervised Teaching in Music (12)

Complete practicum experience which gives the student the opportunity to teach, under supervision, in actual classroom situations in a public school system.

Prerequisite: Completion of all coursework; Advisor approval; Admission to the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 464 - Observation and Supervised Teaching in Mathematics (6)

Complete clinical experiences giving secondary mathematics majors the opportunity to demonstrate, in actual classroom control, expertise in human relations and those professional, personal, and social characteristics exemplified by professional teachers. Experiences: the role of positive reinforcement and frequent review in learning with understanding and retention and transfer of learning; use of appropriate examples, illustrations, equipment, and materials; teaching a unit relative to computer literacy and computer programming in Basic Language; and remediation and questioning skills.

Prerequisite: Completion of all coursework; Advisor approval; Admission to the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 466 - Observation and Supervised Teaching in Social Studies (12)

Complete clinical experience giving students opportunity to teach in actual classroom situations, under supervision, in a public school system.

Prerequisite: Consent of the Department Chair and History Education Coordinator; Completion of all coursework; Advisor Approval; Admission to the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 467 - Observation and Supervised Teaching in Language Arts/English (6)

Complete clinical experience giving secondary education majors the opportunity to teach Language Arts/English in actual classroom situations, under supervision, in a public-school system.

Prerequisite: Completion of all coursework; Advisor approval; Admission to the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 469 - Observation and Supervised Teaching in Art (6)

Complete clinical experience which gives the student the opportunity to teach, under supervision, in actual classroom situations in a public school system.

Prerequisite: Completion of all coursework; Advisor approval; Admission to the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 470 - Observation and Supervised Teaching in Physical Education and Health (9)

Observation and Supervised Teaching in Physical Education and Health (K-12): Practicum experience in teaching under supervision and guidance of personnel certified in Mental Retardation of Learning Disability. Observation of teaching methods and procedure, emphasizing individualized planning. The intern is provided an opportunity to take full teaching responsibility with daily evaluation and reflective conferences.

Prerequisite: Completion of all coursework; Advisor approval; Admission to the Educator Preparation Program. Students must complete a background check. Offered: F or S.
EDUC 475 - Observation and Supervised Teaching in Special Education/General Curriculum (K-12) (9)
Experience in teaching under the supervision and guidance of personnel certified in Mental Retardation. Observation of teaching methods and procedures, emphasizing individualized planning. The student teacher has an opportunity to take full teaching responsibility with daily evaluation and conferences.
Prerequisite: Completion of all coursework; Advisor approval; Admission to the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 476 - Observation and Supervised Teaching in Biology (6)
Complete clinical experience giving students the opportunity to teach in actual classroom situations, under supervision, in a public school system.
Prerequisite: Completion of all coursework; Advisor approval; Admission to the Educator Preparation Program. Students must complete a background check. Offered: F; S.

EDUC 495 - Seminar in Contemporary Educational Issues (3)
Provides student teachers with an update on current issues, trends, and research in teaching strategies and learning styles. As a part of the orientation, this seminar assists in refining reflective decision-making in the transition from student to professional educator. In addition, this course focuses on identified areas needing reinforcement prior to student teaching, such as planning, classroom management, multicultural education, and computer-assisted instruction.
Prerequisite: Admission to the Educator Preparation Program. Offered: F; S.

ELEM - ELEMENTARY EDUCATION
COURSE DESCRIPTIONS
ELEM 300 - Elementary Literacy Instruction (3)
Candidates learn to assess and teach beginning reading using research-validated strategies. Emphasizes phonemic awareness, Phonic and structural analysis, vocabulary development, fluency, and comprehension. Thirty (30) hours of field experience.
Prerequisite: Students must complete a background check. Offered: F, S, SS.
ELEM 390 - Social Studies Methods in the Elementary Classroom (3)
Addresses the following concepts in Social Studies: 1) culture and cultural diversity; 2) time, continuity, and change; 3) civic ideals and practices; 4) economic, scientific, and technological development; and 4) individuals, groups, and institutions. Students plan instruction that assumes a global perspective on content and calls for distinct and developmentally appropriate pedagogies for 21st century learning. Technology use will be required.
Prerequisite: Admission to the Educator Preparation Program. Offered: S.
ELEM 395 - Science Methods in the Elementary Classroom (3)
Addresses major concepts in the life, physical, and earth sciences: designing and demonstrating hands-on lesson plans and appropriate strategies to assist diverse learners. Candidates will demonstrate knowledge of inquiry-based science and effective use of science process skills. Technology use will be required.
Prerequisite: Admission to the Educator Preparation Program. Offered: S.
ELEM 430 - Mathematics Methods in the Elementary Classroom (3)
Mathematical assessment and instruction of diverse students, including numbers and operations, algebra, geometry, measurement, data analysis, and probability. Instructional approaches will include inquiry and direct instruction and will emphasize systematic presentation that moves from concrete to abstract and utilizes multi-sensory activities.
Prerequisite: Admission to the Educator Preparation Program. Offered: S.

EM - EMERGENCY MANAGEMENT
EM 200 - Introduction to Emergency Management (3)
This course introduces students to the field of Emergency Management with attention to the principles and practices of EM at all levels. Students will be introduced to the ways during a disaster that government, businesses, industries, and non-
governmental organizations plan, prepare, mitigate, respond, and recover.

Offered: F.

**EM 202 - Disaster and Movies: Facts and Fiction of Survival (3)**

This course will utilize contemporary movies and films to examine common myths on disasters, survival, and social behavior in the context of emergencies. This course will help students improve their personal and family emergency and disaster survival skills by dispelling myths and teaching effective, evidence-based emergency preparedness skills.

Offered: F.

**EM 210 - Response and Recovery (3)**

The purpose of this course is to uncover the principles that promote effective disaster response and recovery operations for disasters.

Offered: S.

**EM 224 - Emergency Service Law and Ethics (3)**

This course prepares the student to deal with the legal issues in the management of critical Incidents. Emphasis is placed upon the tangible laws that effect the management of disasters as well as the not so clear-cut ethical issues associated with emergencies.

Offered: S.

**EM 230 - Hazard Mitigation and Preparedness (3)**

This course introduces principles and perspectives utilized in preparing for and mitigating against hazards associated with disasters and emergencies. Training will be given in how to assess different types of hazards, from a variety of viewpoints. Prominent mitigation strategies will be covered, as will central approaches to preparedness.

Offered: F.

**EM 240 - Disaster Command and Control Principles of ICS & NIMS (3)**

This course will instruct the student on command and control functions used during disasters. The student will participate in mock exercises in various functions utilizing proper Incident Command System (ICS) and National Incident Management (NIMS) techniques to resolve the incident.

Offered: S.

**EM 298 - Social Dimensions of Disasters (3)**

This course focuses on the psychological, sociological, and physiological human responses and behaviors to natural and human made disasters. This course provides an extensive foundation for understanding how people act in disasters.

Offered: S.

**EM 300 - Emergency and Disaster Preparedness (3)**

This course provides insight into preparations needed for emergency and catastrophic situations. Students learn about various disaster situations, emergency planning, mass displacement, and terminology. It is designed to stimulate thinking about how to become better prepared as individuals, professionals, organizations, and communities in the event of a major event.

Offered: F.

**EM 315 - Weapons of Mass Destruction (3)**

This course examines the potential threat of chemical, biological, radiological, nuclear and explosive weapons (CBRNE) collectively known as weapons of mass destruction (WMD). This course studies the technical aspects of WMD use as well as case study of past events to better prevent future occurrences.

Offered: F.

**EM 320 - Public Education in Preparedness and Safety Topics (3)**

Many organizations have realized the benefit of providing public education to reduce the number and magnitude of injuries. This program will provide the student with the knowledge and skills to work their way through a safety problem to create an educational solution.

Offered: F.

**EM 382 - Emergency Planning (3)**

This course offers students an overview and analysis of methods, procedures, and strategies of emergency planning. In addition, the course provides an understanding of how to develop policies and plans to prepare for natural and manmade disasters.

Prerequisite: EM 200. Offered: S.

**EM 390 - Practical Strategies in Rescue Operations (3)**

Students in this course will conduct practical explorations of different rescue operations to
determine and practice appropriate strategies and tactics preparing the student to plan for real world emergencies for their organization/community.

Offered: S.

**EM 460 - EM Internship I (3)**
The EM internship I is designed to combine theoretical knowledge with practical work by allowing students to participate with community organizations in performing emergency management tasks and assignments.

Offered: SS.

**EM 470 - EM Internship II (3)**
The EM internship II is designed to combine theoretical knowledge with practical work by allowing students to participate with community organizations in performing emergency management tasks and assignments.

Offered: SS.

**EM 480 - Hazard Analysis (3)**
This course will comprehensively study hazards analysis and risk assessment techniques, a set of essential skills required to develop an effective EM system. This course will look at hazards and risks both external and internal along with familiarization of technologies to help the process.

Prerequisite: EM 200. Offered: F.

**EM 490 - Global Terrorism (3)**
This course examines global terrorism and its implications for organizational, community and national safety. Topics covered will include: definition and conceptualization of terrorism; terrorist groups and tactics; and the social factors that contribute to the development of terrorist groups to better examine ways to combat the growing threat.

Prerequisite: EM 315. Offered: S.

**EM 495 - EM Leadership & Policy Management (3)**
This course examines the ideals of leadership and management as it applies to the field of EM in terms of daily tasks as well as large scale incidents. The course will analyze incident leadership as well as test the student in leadership roles during mock disasters.

Prerequisite: EM 224, EM 382. Offered: F.

**EM 497 - Seminar in Emergency Management (3)**
The Emergency Management Seminar course is designed to combine theoretical knowledge with practical work by allowing students to conduct a research project with the help of EM faculty on a topic that would beneficially further the academic knowledge base while providing real world application of acquired knowledge.

Prerequisite: EM 480, EM 490, EM 495. Offered: S.

**ENGL - ENGLISH COURSE DESCRIPTIONS**

**ENGL 102 - Composition I (3)**
Emphasizes and develops basic and intermediate writing skills, written and oral communication, revision in the writing process, and connects writing and critical thinking. Students learn to write for different audiences and purposes, in different genres of writing including but not limited to narrative, informational and argumentative writing and rhetorical analysis.

Offered: F; S.

**ENGL 103 - Composition II (3)**
This course builds on the foundation skills of Composition I. Students learn to write for different audiences and purposes, in different genres of writing but not limited to narrative, informational and argumentative writing and literary analysis with an emphasis on using and responding to research and sources. Students learn how to use a variety of research resources including the library and online sources.

Offered: F; S.

**ENGL 201 - World Literature I (3)**
Selected masterpieces of world literature read, discussed, and critiqued for their comments on life and the meaning of existence. Emphasizes genres and literary tempers (Classicism, Romanticism, Realism). Students are required to maintain satisfactory standards of written and spoken expression.

Prerequisite: ENGL 103. Offered: F; S.
ENGL 202 - World Literature II (3)
Selected masterpieces of world literature read, discussed, and critiqued for their comments on life and the meaning of existence. Emphasizes genres and literary tempers (Classicism, Romanticism, Realism). Students are required to maintain satisfactory standards of written and spoken expression.
Prerequisite: ENGL 103. Offered: F; S.

ENGL 299 - Introduction to English Studies (3)
This course serves as an introduction to the English major. Topics may include work in literary studies, creative writing, and composition studies. Students are introduced to the different career pathways for English majors including but not limited to teaching, public relations, writing, publishing, marketing. The class offers an introduction and foundation to literary theory and analysis, responding to scholarship, exploring their own interests, issues in the field, and teaching at a variety of levels.
Prerequisite: ENGL 103. Offered: F (alternating years).

ENGL 301 - British Literature I (3)
This class is a survey of English, Scottish, Irish and Welsh literature from Britain's pre-modern origins and creation as a nation up through 1800, examining literature that is understood as "British" as well as understanding the historical and cultural influences of the time. Students will read and respond to a variety of genres and formats as well as literary time periods, able to identify terms, authors, and major works.
Prerequisite: ENGL 103. Offered: F (alternating years).

ENGL 302 - British Literature II (3)
This survey course covers works from British Romanticism to the present.
Prerequisite: ENGL 103. Offered: S (alternating years).

ENGL 303 - Literary Criticism (3)
An introduction to the schools of literary criticism important to English studies.
Prerequisite: ENGL 103. Offered: S.

ENGL 305 - American Literature I (3)
This survey course emphasizes the continuity of historical and cultural elements in the works of major American writers from the Colonial Period through 1865.
Prerequisite: ENGL 103. Offered: F.

ENGL 306 - American Literature II (3)
This course covers major American writers from 1865 to the present.
Prerequisite: ENGL 103. Offered: S (alternating years).

ENGL 307 - Southern Literature (3)
A survey of major works of literature from the American South with emphasis on historical and cultural impact from the antebellum period to contemporary authors. Texts will be by authors of various racial, economic, and cultural backgrounds.
Offered: S (alternating years).

ENGL 308 - Multi-Ethnic American Literature (3)
America has gone through so many changes in its over 200 years of existence. This is due to the many diverse groups that have more and more populated the country. In this course we will examine how different minority groups have interpreted what it means to be ethnic and American. We will examine native American, Asian American, Latino, and white ethnic immigrant literature to illustrate how these groups navigated their places within American society. What does American mean to these different groups? These literary works show the contradictions between what America says it is vs. how the different ethnic groups perceive America. Writers that may be taught are Alice Walker, Junot Diaz, Edward P. Jones, Amy Tan and Octavia Butler. Through these works and authors students will examine the many different definitions and constructions of American identity.
Prerequisite: ENGL 103. Offered: S (alternating years).

ENGL 309 - Caribbean Literature (3)
This course looks at the diverse literature of the Caribbean. Through its literature, students will study and analyze the Caribbean. How did European colonialism affect the region then and now? What does a Post-Colonial world look like through the
literature of its people? Often viewed as a pleasure dome, the Caribbean is also depicted as a wild and mysterious colonial enterprise. The literature that has come out of the Caribbean has become more and more diverse after the different islands have tried to create their own identities. Spain, England, France and later the United States colonized the islands and made an indelible footprint on its history and culture. Studying the unique manner of colonization by the aforementioned countries will provide students with a composite representation of the multi-status islands today. We will look at the various islands and examine how their history is tied to their literature and cultural identity. What particular authors/poets have been and are inspirational and influential to the formation of the Caribbean and its fight for independence? As we study, analyze and write on the works of these writers, we will consider the effect of literature in combination with cultural, historical and political aspects of the Caribbean. Some authors the course may examine are Jamaica Kincaid, Edwidge Danticat, Derek Walcott, and Caryl Phillips.

Prerequisite: ENGL 103. Offered: S (alternating years).

ENGL 310 - Harlem Renaissance (3)
This course will analyze the major aspects of the Harlem Renaissance such as The New Negro Movement; political views of W.E.B. DuBois; and issues such as patronage, passing, gender, sexuality, and the influence of the West Indies.

Prerequisite: ENGL 103. Offered: F (alternating years).

ENGL 311 - Introduction to Women's Literature (3)
This course will examine women's literature in America and how the changing role of women in society is reflected in the literature. How are women's roles impacted by race, sexuality, class and work? As America acknowledges our diversity, we expand the way we see women's literature. This course will look at women writers of different groups such as African American, native, Asian, Latino, Jewish and white. This course asks who is the American Woman? We will examine how the American woman has reacted to the change in society through culture, diversity, and history. Various approaches to women's literature will be critiqued, such as minority, feminist, traditional. Possible writers are Alice Walker, Edith Wharton, Julia Alvarez, and Toni Morrison.

Prerequisite: ENGL 103. Offered: S (alternating years).

ENGL 316 - Introduction to Rhetoric and Composition (3)
At its core rhetoric is argument and composition is the creation of form. How do we communicate with each other and in different situations? How do we speak and write effectively? Persuasively? What are the elements and building blocks of rhetoric and composition that we see across genres and fields? The field of rhetoric and composition has its roots in the ancient world and still plays a vital role in informational and digital literacy in just about every aspect of the modern world from literature, primary sources, news, politics, and advertisements. In this class we will explore the skills and elements of rhetoric and composition, analyze and evaluate how they are applied and seen, and write our own compositions applying these skills and elements.

Prerequisite: ENGL 103. Offered: F.

ENGL 317 - Advanced Composition (3)
Like most composition classes, this course emphasizes research and writing as processes, so in class we will model the smaller steps and work that are the building blocks for larger projects. A lot of writing is also an awareness of what you are writing, for what purpose, and what audience, so you will learn to write for specific rhetorical situations, and ask what the specific rhetorical situation and occasion is for a piece of writing. All of this is intended to help you improve your writing skills for your specific field and be able to produce a variety of writing in that field. I encourage you to think of your work in this class as your contribution to the conversations in the field of composition studies and in your own field.

Prerequisite: ENGL 103. Offered: S (alternating years).

ENGL 319 - Children's Literature (3)
Survey of world literature for children.

Prerequisite: ENGL 103. Offered: F (alternating years).

ENGL 325 - Digital Literacy Studies (3)
Since 2000, electronic literature has altered how we interpret meaning. This course studies iconic interactive works ranging from hyperlink narratives
to digital poetry. There will also be an opportunity to create a digital literary work.
Prerequisite: ENGL 103. Offered: S (alternating years).

**ENGL 326 - Secondary Education English (3)**
This course is for students interested in teaching English Language Arts (ELA) at the middle and high school level. We will focus on specific strategies for teaching a variety of genres and texts as well as examine the historical roots of specific trends and ideas in education. This course will also introduce students to the basics of unit design, assessment, course mapping, as well as the current issues and conversations in education. Students will end the course with the beginning of a teaching portfolio, a foundation for developing unit and lesson plans, as well as a toolbox of strategies to engage students and teach content.
Prerequisite: ENGL 103. Offered: S.

**ENGL 327 - History of the English Language (3)**
The development of English sounds, pronunciations, spellings, etymology, syntax, and usage, from Old English to the present.
Prerequisite: ENGL 103. Offered: (alternating years).

**ENGL 336 - Young Adult Literature (3)**
Reading interests of young adults.
Prerequisite: ENG: 103. Offered: F (alternating years).

**ENGL 350 - The Graphic Novel (3)**
Graphic novels and comic books are complex storytelling mediums. The combination of visual art and textual elements presents a unique reading experience. This class will focus on these unique aspects of visual storytelling and how they may differ from other literary mediums. We will study the origins or graphic novels up to the present status of the field.
Prerequisite: ENGL 103. Offered: S (alternating years).

**ENGL 360 - Special Topics in American Literature (3)**
This course is a critical analysis of the current issues and topics in American literature. The instructor rotates, choosing topics to highlight their expertise and the current conversations in the field. Topics will vary year to year and may include genre studies, thematic approaches, author studies, literary time periods, text and adaptation, or focus on the application of a specific literary theory. Can be repeated for credit.
Prerequisite: ENGL 103. Offered: F.

**ENGL 370 - Special Topics in British Literature (3)**
This course is a critical analysis of the current issues and topics in British literature. The instructor rotates, choosing topics to highlight their expertise and the current conversations in the field. Topics will vary year to year and may include genre studies, thematic approaches, author studies, literary time periods, text and adaptation, or focus on the application of a specific literary theory. Can be repeated for credit.
Prerequisite: ENGL 103. Offered: S.

**ENGL 380 - Introduction to Fiction (3)**
In this course we will work on reading, interpreting, and crafting a variety of stories. Students will focus on the craft of writing, authorial voice and style, and using the readings as models for their own work.
Prerequisite: ENGL 103. Offered: F.

**ENGL 390 - Introduction to Poetry (3)**
This course will introduce you to the style and form of poetry as well as the history of poetic forms. We will read a variety of genres, authors, and historical periods. Our aim will be to understand the historical and cultural context of these pieces as well as how the techniques and genres are applied and understood. The course emphasizes close reading the texts as a form of response in addition to imitating and writing poetry of your own.
Prerequisite: ENGL 103. Offered: S.

**ENGL 399 - Introduction to Creative Writing (3)**
Laboratory course: short story, poetry, the formal essay, and/or drama writing. Student writings are read and criticized informally by members of the class.
Prerequisite: ENGL 103. Offered: F.

**ENGL 400 - Asian American Writers (3)**
A study of Asian American Fiction. How this nation grew out of many nations and cultures. How Asian American experience reflects inter-generational conflicts, bilingualism, and the cultural legacy from mother countries.
Prerequisite: ENGL 103 and Junior standing.
Offered: (alternating years).

ENGL 401 - Technical Writing (3)
In this course, students will learn the skills and principles needed to master writing in a business and technical context. In the instructional setting, models of appropriate technical writing will be provided along with opportunities for the students to hone their own skills. Assignments for this class include some of the following: reports, correspondence, proposals, pamphlets, and procedural manuals.
Prerequisite: ENGL 103 and Junior Standing.
Offered: S (alternating years).

ENGL 404 - Film and Literature (3)
This course is a comparative study and exploration of the complex interplay of films and literature upon which they are based. The course explores how character development, plot, narrative, symbols, and language are translated from literary texts to film while also considering the limitations of film adaptations.
Prerequisite: ENGL 103 and Junior standing.
Offered: F (alternating years).

ENGL 405 - Gender and Literature (3)
The study of gender and literature including feminism and masculinity studies.
Prerequisite: ENGL 103 and Junior standing.
Offered: S (alternating years).

ENGL 406 - Intermediate Creative Writing: Poetry (3)
It is expected that the students already have a writing habit. Critical and Creative work will be provided depending on the direction of the course. At the discretion of the instructor, a portfolio/chapbook containing revised work will be submitted at the end of the term.
Prerequisite: ENGL 103 and Junior standing.
Offered: S (alternating years).

ENGL 407 - Special Topics in Creative Writing (3)
Students will analyze literary genres, forms, conventions, structures, techniques, and creative writing strategies and apply these analyses to their own creative writing efforts and to critiquing the work of their peers. Can be repeated for credit.
Prerequisite: ENGL 103 and Junior standing.
Offered: F (alternating years).

ENGL 411 - Postcolonial Literature (3)
This class serves as a general introduction to postcolonial literature and theory. It will study the impact of the aesthetic, colonial, psychological, and discursive conditions of imperialism and colonialism. Issues considered in this course include: how do we define the term postcolonial and what issues are there with this term? Are there distinct literary forms used by postcolonial writers? How do these writers navigate the intersections of colonizing and indigenous traditions? How do postcolonial writers respond to the politics of colonization?
Prerequisite: ENGL 103 and Junior Standing.
Offered: S (alternating years).

ENGL 425 - Shakespeare (3)
This course will use film, theatrical performances, as well as close reading and discussion to analyze and unpack Shakespeare's plays. We will learn to read, interpret, and analyze a variety of Shakespeare's plays (tragedies, comedies, histories). We will focus on the historical and cultural context of the plays, their relationship to other early modern plays, playwrights, figures, and issues. We will research, read, and apply a variety of literary theories and approaches to our understanding and discussion of these plays. This is a seminar style class. Students are expected to come to class prepared to lead the discussion on the assigned text(s).
Prerequisite: ENGL 103 and Junior Standing.
Offered: F (alternating years).

ENGL 427 - English Literature of the Renaissance
Poetry, prose, and drama (exclusive of Shakespeare) of representative authors studied against the background of historical and cultural forces shaping Renaissance thought.
Prerequisite: ENGL 103 and Junior Standing.
Offered: (alternating years).

ENGL 428 - English Literature of the 18th Century (3)
Poetry and prose (exclusive of the novel) of the eighteenth century. Emphasis on the triumph and decline of Neoclassicism and approach of Romanticism, with review of historical and cultural forces affecting both.
Prerequisite: ENGL 103 and Junior Standing.
Offered: (alternating years).
ENGL 429 - English Literature of the 19th Century (3)
Major writings of the nineteenth century (exclusive of novel). Triumph of Romanticism and Victorian Age studied against historical and social influences of the times.
Prerequisite: ENGL 103 and Junior Standing.
Offered: (alternating years).

ENGL 430 - The British Novel (3)
Development of the novel as a genre studied, in form and style, from seventeenth century to the present.
Prerequisite: ENGL 103 and Junior Standing.
Offered: F (alternating years).

ENGL 431 - Early Modern Global Texts (3)
Students will study a variety of genres (poetry, polemic, drama, novels) that represent global concerns and historical moments from the early modern period. Students will focus on how larger themes such as exploration, discovery, and colonization, political structures like monarchies and parliament, and global market economies and how they both influenced literature and texts and responded to larger movements and events.
Prerequisite: ENGL 103. Offered: S.

ENGL 440 - Bible As Literature (3)
Introduction to the Bible as literature. Students read the major books of the Hebrew Bible (Old Testament) and the four Gospels, Acts, major Epistles, and Revelation in the New Testament. Rather than focusing on doctrine, the course accents aesthetic values in scripture.
Prerequisite: ENGL 103 and Junior Standing.
Offered: S (alternating years).

ENGL 458 - African American Literature (3)
A survey course of Black American writers. Emphasizes genres, literary tempers, and major movements influenced by historical, social, literary, and cultural factors.
Prerequisite: ENGL 103 and Junior Standing.
Offered: F.

ENGL 465 - Contemporary American Literature (3)
Historical, social, literary, and cultural study of selected works by contemporary American writers.
Prerequisite: ENGL 103 and junior standing. Offered: S (alternating years).

ENGL 466 - The American Novel (3)
The development of the American novel from the nineteenth century to the present.
Prerequisite: ENGL 103 and Junior Standing.
Offered: S (alternating years).

ENGL 467 - Contemporary British Literature (3)
The literature of Britain, including Anglo-Irish writing, from the close of the Victorian age to the present.
Prerequisite: ENGL 103 and Junior Standing.
Offered: S (alternating years).

ENGL 469 - Special Studies & Research in Language and Literature (1-3)
In this course students will delve into a particular literary subject and discuss its complexity. Depending upon the professor, the subjects that could be discussed are race and literature, issues pertaining to sexuality and gender, and the reality of the American dream. These topics will be examined through research, discussion, analysis, multi-media and literature. An example: A course on race and literature may look at the representation of black women within a world that does not see their reality. Black women representation would be analyzed through literature and representation on television or film. Does the medium change the representation? This class is a rotational class and subject matter will vary based on the Professor. Can be repeated for credit.
Prerequisite: ENGL 103 and Junior Standing.
Requires approval of department chair.

ENGL 495 - Internship--English
An opportunity for students to work one-on-one with designated faculty to conduct research in the field of English Studies.
Prerequisite: Completion of five upper level courses.
Requires approval of department chair.

ENGL 498 - Research Methods in English--Capstone (3)
This course is the coda to the Introduction to English Studies course. Students will survey different aspects of the English major and career pathways such as literary analysis, teaching, writing and publication fields, public relations, and marketing, as well as the application of English major skills to larger, interdisciplinary fields and careers. Students will prepare and present a Capstone paper and
presentation on a topic connected to their study as English majors/career pathways.

Prerequisite: Graduating Senior. Offered: S.

ENGT - ENGINEERING TECHNOLOGY COURSE DESCRIPTIONS

See Course Listings under Technology.

ENGT 101 - Introduction to Engineering Technology (3)
Topics include problem solving techniques, basic algebra and trigonometry functions, number notations, charts and graphs, report writing, concepts of energy, work and power, basic electricity, vectors and scalars, unit conversion, measurement and guaging, engineering materials, and computer networking. Codes of ethics and diversity in field of Engineering Technology will also be discussed.
Offered: F.

ENGT 100L - Introduction to Engineering Technology Lab (1)
This course is composed of laboratory experiments to reinforce the concepts covered in ENGT 101 such as vectors & scalar, physical measurement, data representation, basic electricity, energy & power, and material science. Students get a chance to work with electronics lab equipment such as power supplies, multi-meters, signal generators, resistors & circuits boards, and mechanical lab equipment and measurement equipment such material testing machines, calipers, and indicators.
Offered: F.

ENGT 105 - Computer-Aided Drafting (CAD) I (3)
(Formally TECH 105) Introduction to principles of drawing, including sketching, graphing, orthographic projections, section views, and pictorial views. Also introduces principles of Computer Aided Drafting (CAD) and using CAD to produce professional quality drawings.
Prerequisite: ENGT 101. Offered: S.

ENGT 200 - Introduction to Renewable Energy Technologies (3)
This is an interdisciplinary course suitable for both science and non-science majors who would like to learn about energy, renewable energy resources, and potential solutions to energy crisis. Topics include, in part, fossil fuel and nuclear energy, combined heat and power and renewable energy resources such as wind, hydro, tidal, photovoltaic solar, solar thermal, geothermal, fuel cell, and bioenergy.
Prerequisite: None. Offered: F.

ENGT 207 - Circuit Analysis with Lab (3)
Introduces fundamentals of direct and alternating current circuits. Topics include principles of DC and AC electrical systems, passive electrical components, circuit fundamentals, circuit theorems and conversions, and complex analysis techniques, magnetism, transformers, RC, RL, LC, and RLC series/parallel circuits, and passive filter design techniques. Computer-based circuit modeling and circuit drawing are covered.
Prerequisite: ENGT 101 or ENGT 100L. Offered: F.

ENGT 207L - Circuit Analysis Lab (1)
This lab covers laboratory experiences in DC resistor circuitry; Ohm's law; analyzing AC signals, including frequency, period, amplitude, and rms value; inductors, capacitors and DC transients; measuring phase shift in an AC circuit due to an inductor or capacitor; and basics of laboratory report writing.
Corequisite: ENGT 207. Offered: F.

ENGT 210 - Materials and Processes (3)
This course provides an introduction of basic engineering materials (metals, polymers, ceramics, and composites) and their manufacturing processes. Topics include classifications, structure, properties, and treatment of metals, inspection and testing techniques for engineering materials. Manufacturing topics include casting, cold and hot metal forming, machining and joining processes. Related laboratory activities include experiments with technical reports.
Prerequisite: ENGT 101. Offered: S.

ENGT 210L - Material and Process Lab (1)
This course is composed of laboratory experiments to reinforce the concepts covered in ENGT 210 such as crystal structures, physical properties, mechanical properties, material fabrications (ceramics & composites) and basics of laboratory writing.
Corequisite: ENGT 210. Offered: S.
ENGT 215 - PC Hardware & Software Support Technology (3)
(Formerly PC Support Technology) this course covers basic personal computer system support including installation, configuration, and preventive maintenance, and troubleshooting and upgrading of hardware and software components. Topics include safety practices, configuration and documentation, use of diagnostic and recovery software, peripheral installation and testing, operating system and application software installation and support. Students taking this course are expected to know how to operate a PC computer.
Prerequisite: ENGT 100 or CSC 115. Offered: S.

ENGT 215L - PC Hardware & Software and Operating System Lab (1)
Laboratory experiments reinforce the concepts covered in ENGT 215 and develop hands-on skills in the troubleshooting of hardware and operating system installations.
Prerequisite: ENGL 215. Offered: S.

ENGT 220 - Instrumentation and Measurement System (3)
Covers the basics of graphical programming and adopts LabVIEW as design software to introduce basics of programming for data acquisition. Students implement data acquisition/measurement systems using DAQ devices and Virtual instruments.
Prerequisite: ENGT 207. Offered: F.

ENGT 225 - Introduction to Bioenergy (3)
This course prepares students for careers in green technology through investigating current techniques used in biofuel production and addressing energy business information. Topics include, in part, overall survey of bioenergy techniques, feedstock sustainability, biodiesel, methane, plant-based oils and pollution considerations.
Prerequisite: None. Offered: S.

ENGT 230 - Material Science (3)
Emphasizes the relationship between structure and properties of industrial materials and their control through composition, mechanical processing, and thermal treatment.
Offered: F.

ENGT 235 - Analog and Digital Circuits I (3)
This course covers basics of analog and digital devices and circuits. Topics include diodes, rectifiers, BJT, FET, thyristors (SCR, TRIAC, DIAC), digital gates, Boolean algebra and digital logic circuits such as counters, oscillators, and memory systems.
Prerequisite: ENGT 205
Prerequisite: ENGT 207. Offered: S.

ENGT 235L - Analog & Digital Circuits I Lab (1)
Laboratory experiments reinforce the concepts covered in ENGT 235 and develop skills in the experimental set-up of basic analog and digital systems; and basics of laboratory report writing.
Corequisite: ENGT 235. Offered: S.

ENGT 240 - Applied Statics (3)
Scalars and vectors, parallelogram law, equilibrium, trusses, friction theory, center of gravity and moment of inertia, and Newton's law of motion applied to linear and circular motion.
Prerequisite: PHYS 191 or PHYS 181. Offered: S.

ENGT 245 - Introduction to LAN & WAN Technology (3)
An overview of network communications terminology, protocols, and technologies. Students will construct and assess simple LANs and WANs networks and associated networking devices. Topics include TCP/IP and OSI models, TCP/IP fundamentals, network topologies, network classification, networking protocols, propagation media, data encoding and transmission, networking devices, routing techniques, subnetting, ATM and VoIP, wireless LAN (WLAN), virtual LAN (VLAN), and basic network security. Theory covered will be complemented by labs using network simulation tools.
Prerequisite: ENGT 101.

ENGT 250 - Introduction to Wind and Hydro Power Systems (3)
This course introduces concepts, designs, tools, techniques, and material requirements for systems that convert wind and water energy into electricity and other usable energy. Topics include, in part, wind science, wind power, hydropower, site assessment, estimating output, economics, wind turbine technology, and systems types and installation.
ENGT 256L - Basic Networking Lab (2)
Laboratory experiments reinforce the concepts covered in ENGT 245.
Prerequisite: ENGT 215. Offered: F.

ENGT 300 - Solar Photovoltaic Systems (3)
Photovoltaic system is a method of generating electricity directly from sunlight using semiconductor devices called solar cells. The goal of this course is that students understand the operation of photovoltaic devices, systems and applications. Topics include, in part, introduction to photovoltaic systems, semiconductor basics, solar radiation, site surveys and preplanning, system components and configurations, system sizing, mechanical integration, utility interconnection, economic analysis, and PV system safety.
Prerequisite: None. Offered: S.

ENGT 305 - Introduction to Autonomous Mobile Robotics (3)
This course introduces students to the field of mobile robotics. Topics include robotic sensors, collision detection and avoidance, locomotion, mobile robot kinematics, mobile robot architecture, manipulation, basics of machine learning, path planning, and localization. Course will include lab experiments using educational mobile robotic platform.
Prerequisite: ENGT 220.

ENGT 311 - Applied Mechanics (3)
This course is divided into two parts. The first part includes vector mechanics of forces and moments, free-body diagrams, equilibrium of particles and rigid bodies, forces in members and structures, distributed forces, friction, centroids and center of gravity and moment of inertia. The second part covers topics on rectilinear motion, angular motion, plane motion, kinetics, work, energy, power, impulse and momentum.
Prerequisite: PHYS 191 or PHYS 181 and MATH 165. Offered: F.

ENGT 311L - Applied Mechanics Lab (1)
This course is composed of laboratory experiments to reinforce the concepts covered in ENGT 311 through hands-on activities and application of simulation software.
Corequisite: ENGT 311. Offered: S.

ENGT 315 - Network Operating Systems & Server Technology (3)
(formerly Operating Systems for Technology) Covers operating system concepts and procedures for installing and supporting computer systems. Topics include modern Windows OS, disk storage, and UNIX user commands, file system and management, Network Operating Systems, basic scripting, system support and security issues. (2hrs lecture, 2hrs lab)
Prerequisite: ENGT 101 or CSC 115. Offered: F.

ENGT 320 - Applied Fluid Mechanics (3)
Principles of static and dynamic behavior of incompressible fluids, buoyancy and stability of body fluids, momentum and energy consideration in fluid flow, and as introduction to compressible gas dynamics.
Prerequisite: ENGT 311. Offered: S.

ENGT 335 - Analog and Digital Circuits II (3)
This course covers advanced topics in analog and digital circuits. Topics include operational amplifiers, operational amplifier-based circuits such as oscillators, instrumentation amplifiers, A/D and D/A converters, PLDs, FPGAs, finite state machines, and design of combinational logic and sequential logic designs using digital ICs. Prerequisite: ENGT 235
Prerequisite: ENGT 235. Offered: F.

ENGT 335L - Analog & Digital Circuits II Lab (1)
Laboratory experiments reinforce the concepts covered in ENGT 335 and develop skills in the experimental set-up of advanced analog and digital systems; and basics of laboratory report writing.
Corequisite: ENGT 335. Offered: F.

ENGT 340 - Analog & Digital Communications (3)
(formerly Network Communication I) Covers topics from modern communication system. Topics include antenna theory, source coding, signals and systems, carriers and symbol synchronization algorithms, channel capacity and coding, cyclic redundancy checks, adaptive equalization, multichannel and multicarrier systems, and modulation schemes: ASK, PSK, FSK, and GMSK. Optical fiber communications and dense wavelength division multiplexing (DWDM). (2hrs lecture, 2hrs lab)
Prerequisite: ENGT 235 or ENGT 245. Offered: S.
ENGT 345 - Routing and Switching Protocols (3)
(formerly Network Communications II) Covers TCP/IP Local Area Network (LAN) and basic Wide Area Network (WAN) connections using CISCO Discovery and Exploration as a guide and using Cisco routers and switches in laboratory. Topics include basic host and router configuration, static routing, TCP/IP configuration, cabling, basic LAN switching, wireless LAN, Distance Vector Protocol, RIPv1, RIPv2, CISCO IOS, WAN connections, and IP troubleshooting. Labs cover using Windows XP laptops/tablet-PCs as hosts and CISCO Catalyst 2950 switches and 2600 routers.
Prerequisite: ENGT 245. Offered: S.

ENGT 345L - Routing and Switching Protocols Lab (2)
Laboratory experiments reinforce the concepts covered in ENGT 345 and develop skills in the experimental set-up the router and switches for networking a system. We will implement advanced routing protocols and switching configuration using Windows XP laptops/tablet-PCs as hosts and CISCO Catalyst 2950 switches and 2600 routers; and basics of laboratory report writing.
Corequisite: ENGT 345. Offered: S.

ENGT 350 - Programmable Logic Controllers (PLC) (3)
Covers control of systems and industrial processes. Topics include I/O modules, binary concepts, programming languages, addressing, control relays, latching relays, sensors, programming timers, counters and troubleshooting, control instructions, and data compare instructions. (2 hrs lecture, 2 hrs lab)
Corequisite: ENGT 235. Offered: S.

ENGT 360L - Control System Lab (1)
Laboratory experiments reinforce the concepts covered in ENGT 260 and develop skills in the open and closed loop control systems; and basics of laboratory report writing.
Corequisite: ENGT 361. Offered: S.

ENGT 361 - Control Systems (3)
Covers control systems terminology, feedD.B.A.ck control systems, PID, PD, PI and relay controllers, lag-lead compensation, data-acquisition systems, stability, thermal, mechanical and optical sensors.
Prerequisite: ENGT 220 or MATH 265. Offered: S.

ENGT 365 - Computer Design and Implementation (3)
Studies the internal design of computer systems including data representation, registers, addressing techniques, processor organization. Topics include ALU data path design, arithmetic circuits, memory hierarchy, input/output device interfacing, and programming models. Topics also include multiplication and division algorithms, hardware description language (HDL) modeling, and RISC and CISC architectures.
Prerequisite: ENGT 335. Offered: S.

ENGT 370 - Computer Aided Design and Manufacturing (3)
This course introduces students to the use of computers in several extended areas of product design and manufacturing. These areas include CAD, Computer Numerical Control (CNC) operations and programming, Computer-Aided Manufacturing (CAM) software, and the use of simulation software for virtual prototyping for Design/Manufacturing/Validation.
Prerequisite: ENGT 105. Offered: F.

ENGT 386 - Strength of Materials (3)
Students will have the opportunity to learn how to apply the fundamentals of strength of materials as relate to concepts of stress, strain, shear, bending, torsion, and deflection of deformable bodies such as bars, shafts, beams, columns, and pressure vessels. Students are required to demonstrate proficiency in calculating stresses and strains in bars, beams, and shafts when subjected to axial forces, torsional/bending moments, thermally induced forces and combinations of these loadings; analyzing external and internal forces and moments; calculating deflections of beams; calculating angles of twist of shafts; and design of bars, shafts, and beams.
Prerequisite: ENGT 311 Applied Mechanics. Offered: S.

ENGT 400 - Advanced Mobile Robotics: UGV (3)
Introduces the advanced mobile robotics system. Students learn fundamental of sensor fusion and estimation techniques, occupancy grid mapping, optimal control and motion planning. Course includes lab experiments leading to case studies in autonomous robotic vehicle system.
Prerequisite: CSC 300.
ENGT 405 - Automation and Robotics (4)
Covers theory and practice of systems used in an automated manufacturing environment to perform industrial functions. Topics include vision systems, application of control programming, CNC, and robotics programming. (3 hrs lecture, 2 hrs lab)
Prerequisite: ENGT 350 and CSC 115. Offered: F.

ENGT 410 - Mechatronics System Design
Introduces the field of mechatronics, synergy between electronics and mechanical systems. Topics include modeling and simulation of real-time embedded system, prototyping and programming of mechatronics systems, design of computer control system with sensor and actuator interfaces, and hardware-in-loop testing. Includes lab experiments using graphical programming, reconfigurable hardware and real-time hardware targets.
Prerequisite: ENGT 361.

ENGT 415 - Machine Design (3)
Covers topics related to stress analysis, the strength of mechanical elements, design of machine elements such as gears, belt drives, chain drives, screws, fasteners, connectors, and springs, welded, brazed, and bonded joints, bearings, shafts, cams and flexible mechanical elements, and statistical considerations in design.
Prerequisite: ENGT 386. Offered: F.

ENGT 420 - Thermal Systems (3)
This course provides a study of the fundamental laws of thermodynamics and heat transfer. Topics include thermodynamic system properties, properties of pure substances, ideal gases, open and closed systems, 1st and 2nd law of thermodynamics and their application to various ideal and real life thermal systems, and analysis of heat exchangers. Heat Transfer topics include analysis of 1-D heat transfer in solids and liquids by various heat transfer mechanisms (conduction, convection, and radiation).
Prerequisite: ENGT 320. Offered: F.

ENGT 425 - Thermal-Fluid Lab (1)
This course is composed of a number of laboratory experiments that are designed to reinforce the principles of thermodynamics, heat transfer, and fluid power (concepts covered in ENGT 420 and ENGT 320) and develop skills in experimental set-up, data collection and analysis, interpretation of results, and writing reports. (2 hrs lab).
Corequisite: ENGT 420 Thermal Systems. Offered: F.

ENGT 430 - Heating, Ventilation and Air Conditioning (HVAC) (3)
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, integrated systems, controls and instrumentation.
Prerequisite: ENGT 420. Offered: F.

ENGT 440 - Mobile and Wireless Network (3)
Covers the state of the art in mobile and wireless network systems that are currently being deployed. Topics include broadband wireless IEEE 802.16, wireless IEEE 802.11 wireless LAN, mobile ad hoc network, mobile IP, Bluetooth, and cellular systems fundamentals. Topics also include medium access control (MAC), quality of service (QOS), scheduling, location discovery, and routing and topology control in ad hoc networks.
Prerequisite: ENGT 340. Offered: S.

ENGT 445 - Enterprise Ethernet Switching Technology (3)
formerly Network Communications III Covers advanced Routing and Switching for LAN-WAN networking using CISCO Discovery and Exploration as guide and using CISCO routers and switches in laboratory. Topics include Variable Length subnetting (VLSM), Classless routing, Link-state routing, OSPF, EIGRP, VLAN's, VLAN Trunking. We will implement advanced routing protocols and switching configuration using Windows XP laptops/tablet-PCs as hosts and CISCO Catalyst 2950 switches and 2600 routers. (3 hrs lecture, 2 hrs lab)
Prerequisite: ENGT 345. Offered: F.

ENGT 455 - Capstone Senior Project I (2)
This is first part of senior project. Covers topics in engineering technology to prepare students for the capstone senior project. The student performs the initial research needed for the senior project course and prepares the written proposal for senior project as well as works on project.
Prerequisite: Senior standing and permission of academic advisor. Offered: F.
ENGT 460 - Engineering Software Applications (3)
Covers software applications and theory in engineering analysis and Reverse Engineering and develops the fundamental concepts. Topics include cloud points and computer model, stress-strain relations, von Misses stress, mesh modeling, stress analysis for frames, beams, holes, pressure vessels, bolted jolts, and contract analysis.
Prerequisite: ENGT 415. or ENGT 386. Offered: S.

ENGT 466 - Microprocessor and Microcontroller (3)
Covers microprocessor /microcontroller hardware and software, and the theoretical and practical aspects of interface design. Architectural features of microcontrollers such as PIC or 8051 are examined. Peripheral devices for interfacing design are also covered. The laboratory portion provides practical hands-on experience with the PC trainer kits, PicBasic Pro programming, interfacing and application of the microprocessor/microcomputer to real world systems.
Prerequisite: ENGT 365. Offered: F.

ENGT 475 - Aerial Robotics/UAV: Sensors & Controls
Develops skills in configuring and utilizing network forensics tools to capture suspicious data and recognize traffic patterns associated with suspicious network behavior. Topics include principles and applications of network forensics analysis, configuring various forensics tools for network forensics analysis, reconstructing suspicious activities (e-mails, file transfers, or web browsing) for detailed analysis and evidentiary purposes, security threat recognition, encryption technologies, and defensive configurations of network infrastructure devices.
Prerequisite: ENGT 360.

ENGT 478 - Internship (3)
This course provides employment experiences in engineering field.
Prerequisite: Department Chair or Program Coordinator's written consent. Offered: F; S; SS.

ENGT 490 - Project Management (3)
Focuses on the fundamental aspects of managing complex projects, the central role of project management in organizations, the project life cycle, and techniques for project planning, scheduling, and controlling using situations from technical disciplines.
Prerequisite: Senior standing. Offered: F; S.

ENGT 495 - Research in Engineering Technology (3)
An upper level course involving an independent or group research and design project. Introduces techniques and procedures of technical research. The student learns by assisting the instructor with a research project in the laboratory and industry. All students must complete a project and demonstrate their teamwork, communication, and problem-solving skills in the real work project. Submission of written report and final oral presentation are required.
Prerequisite: Senior standing and written consent of the chair or engineering technology coordinator. Offered: F; S; SS.

ENGT 498 - Capstone Senior Project II (2)
This is second part of senior project. Individual students or teams propose and design a device, system, or process using senior level tools. Topic and implementation project to be jointly agreed upon by student and faculty member and should be related to
the student's discipline. Includes planning, designing, testing, working on a team, writing a report, demonstrating, and presenting the project.

Prerequisite: ENGT 455. Offered: S.

**ENSC - ENVIRONMENTAL SCIENCE COURSE DESCRIPTIONS**

**ENSC 101 - General Environmental Science (3)**

Critical examination of population, resources, and environment as they relate to the well-being of man. Comprehensive analysis and evaluation of environmental issues in terms of present and future generations of the world. Lecture: three hours.

Prerequisite: None. Offered: F; S; SS.

**ENSC 101L - General Environmental Science Laboratory (1)**

Analysis and experiments geared toward understanding the underlying principles involved in determining the health of the environment. Includes the analysis for common pollutants in water, air, and soil. Laboratory: (2) hours.

Prerequisite: Suggested taken in conjunction with ENSC 101. Offered: F; S; SS.

**ENSC 440 - Global Environmental Issues Seminar (3)**

Covers significant global environmental issues using case studies, debating and video conference format. Students assume "roles" of parties that have a stake in the outcome of issues that generally have no clear-cut solution and defend the position. The position is also defended through posting of position papers on electronic forums. Lecture: meets three hours; and video conference scheduled outside the formal meeting period as needed.

Prerequisite: ENGL 102, ENGL 103, and instructor written consent. Offered: S.

**FL - FOREIGN LANGUAGES COURSE DESCRIPTIONS**

**FL 479 - Special Studies in Non-English Languages and Literature (1-3)**

Topics may include linguistics, languages and/or textural analysis in original languages, translation/interpretation, and language development. May be repeated up to 6 semester hours.

Prerequisite: Written Consent of the Department Chair. Offered: F; S; SS.

**FLT - FLIGHT COURSE DESCRIPTIONS**

See Course Listings under Aviation Science.

(*Flight Lab fees are associated with all flight Lab courses*)

**FLT 110 - Private Pilot Ground (3)**

Allows a student to acquire the knowledge needed to safely operate as a Private Pilot and satisfactorily complete the FAA Knowledge Test. Topics include Aerodynamics, Airspace and Weather, Flight Operations, Flight Instruments, Sectionals, Electronic Navigation, Aircraft Performance, Weight and Balance, Communications and Radar Services, Cross-Country Planning, and Federal Aviation Regulations.

**FLT 116L - Private Pilot Flight Lab (3)**

Course is designed to provide the student with the in-flight practical instruction to acquire the proficiency and experience needed to meet the certification requirements to attain an FAA Private Pilot Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA ASEL Airman Certification Standards (ACS). The course consists of 55 Flight Hours.

Corequisite: FLT 110.

**FLT 117L - Private Pilot Flight Lab Part I (2)**

Provide students with the practical in-flight instruction and minimum flight time to complete all maneuvers and operations required by the Federal Aviation Regulations to safely solo an aircraft. Includes all dual flights and the solo stage check to prepare the student for solo flight. Course consists of 30 flight hours.

Offered: F, S.

**FLT 118L - Private Pilot Flight Lab Part II (2)**

Provide 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. Includes all dual and solo flights, evaluation flights, and preparations for the oral and flight examinations administered by the FAA. Course consists of 30 flight hours.
Offered: F,S.

FLT 122 - Flight Safety Seminar (1)
Students within the Flight Education concentration are introduced to federal and university policies and procedures as they pertain to the flight program and student pilots.
Corequisite: FLT 110.

FLT 225L - Cross Country Flight Part I Lab (2)
Affords ASEL certificated students to obtain necessary cross country Pilot In Command flight Time and experience as specified under 14 CFR 61.65 (d). The course consists of 50 Flight Hours.
Prerequisite: FLT 116L.

FLT 226L - Cross Country Flight Lab Part II (2)
This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for an FAA Instrument Pilot Certificate. The performance criteria specified in the syllabus is based on the current FAA Instrument Pilot Airman Certification Standards. The course consists of 60 Flight Hours.
Prerequisite: FLT 338L.

FLT 320 - Instrument Ground (3)
Allows the student to acquire the aeronautical knowledge needed to safely operate as an Instrument Rated Pilot and satisfactorily complete the Instrument Pilot Knowledge Test. Topics include human factors, aviation physiology, flight instrumentation, National Airspace System, FAA Regulations, Aeronautical Information Manual, Air Traffic Control system, weather and Crew Resource Management.
Prerequisite: FLT 110.

FLT 326L - Instrument Flight Lab (3)
This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for a Commercial Pilot and satisfactorily complete the Commercial Pilot Knowledge Test. Topics include airports, airspace, meteorology, airplane performance, flight planning, navigation, aviation physiology, aeronautical decision making, and the applicable commercial pilot Federal Aviation Regulations.
Prerequisite: FLT 110.

FLT 330 - Commercial Ground (3)
Allows the student to acquire the aeronautical knowledge needed to safely operate as a Commercial Pilot and satisfactorily complete the Commercial Pilot Knowledge Test. Topics include airports, airspace, meteorology, airplane performance, flight planning, navigation, aviation physiology, aeronautical decision making, and the applicable commercial pilot Federal Aviation Regulations.
Prerequisite: FLT 110.

FLT 336L - Commercial Flight Lab (3)
This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for an FAA Commercial Pilot Certification (ASEL). The performance criteria specified in the syllabus is based on the current FAA Commercial Pilot (ASEL) Airman Certification Standards. The course consists of 60 Flight Hours.
Prerequisite: FLT 326L.

FLT 338L - Commercial Flight Lab Part I
This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for an FAA Commercial Pilot Certification (ASEL). The performance criteria specified in the syllabus is based on the current FAA Commercial Pilot (ASEL) Airman Certification Standards. Course consists of 60 flight hours.

FLT 339L - Commercial Flight Lab Part II (3)
This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for an FAA Commercial Pilot Certification (ASEL). The performance criteria specified in the syllabus is based on the current FAA Commercial Pilot (ASEL) Airman Certification Standards. Course consists of 60 flight hours.
Prerequisite: FLT 338L.

FLT 340 - Multi-Engine Ground (2)
This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for adding an FAA Multi-Engine Rating (Airplane) to an existing Commercial
Pilot Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA Multi-Engine Pilot Airman Certification Standards.

Prerequisite: FLT 110.

FLT 345L - Multi-Engine Flight Lab (2)
This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for adding an FAA Multi-Engine Rating (Airplane) to an existing Commercial Pilot Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA Multi-Engine Pilot Airman Certification Standards. The course consists of 15 Flight Hours.

Prerequisite: FLT 116L.

FLT 346L - Multi-Engine Ground/Flight Lab (3)
Course allows the student to acquire the ground instruction, proficiency, and experience needed to meet the certification requirements for adding an FAA Multi-Engine Rating (Airplane) to an existing Commercial Pilot Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA Multi-Engine Pilot Airman Certification Standards. The course consists of 15 Flight Hours.

Offered: F,S.

FLT 420 - Flight Instructor Ground (2)
This ground training course is designed to allow the pilot applicant to acquire the aeronautical knowledge needed to safely operate as a Certified Flight Instructor and satisfactorily complete both the Fundamentals of Instruction and the Certified Flight Instructor Knowledge Tests.

Prerequisite: FLT 330.

FLT 425L - Flight Instructor Flight Lab (2)
This course will allow an enrolled student to acquire the proficiency and experience needed to meet the certification requirements for attaining an FAA Certified Flight Instructor Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA Certified Flight Instructor Airman Certification Standards. The course consists of 25 Flight Hours.

Prerequisite: FLT 336L, FLT 339L.

FLT 426L - Flight Instructor Ground/Flight Lab (3)
Course allows the student to acquire the ground instruction, proficiency, and experience needed to meet the certification requirements for attaining an FAA Certified Flight Instructor (CFI) Certificate (ASEL). Performance criteria specified in the syllabus is based on the current FAA CFI Airman Certification Standards. Fundamentals of Instruction and the Certified Flight Instruction Knowledge Tests required. The course consists of 25 Flight Hours.

Offered: F,S.

FLT 435L - Instrument Flight Instructor Ground/Flight Lab (2)
Provides the student with the practical ground, in-flight instruction, and flight experience to complete all maneuvers and operations required to earn the FAA Certified Instrument Flight Instructor (CFII) Airplane Certificate. The course includes all dual flights and evaluation flights. Students must satisfactorily complete the CFII Knowledge Test. The course consists of 20 Flight Hours.

Prerequisite: FLT 336L or FLT 339L.

FLT 445L - Multi-Engine Flight Instructor Ground/Flight Lab (2)
Provides the student with the practical ground, in-flight instruction, and flight experience to complete all maneuvers and operations required to earn the FAA Certified Multi-Engine Flight Instructor Airplane Certificate. The course includes all dual flights and evaluation flights. The course consists of 25 Flight Hours.

Prerequisite: FLT 345L, FLT 339L.

FLT 490 - Airline Transport Pilot Ground (3)
Topics include FARs related to ATP privileges, limitations, and flight operations; Meteorology, Weather and NOTAM, National Weather Service functions, wind shear and microburst awareness. Lessons covering the principles of air navigation, ATC procedures, departure and approach procedures; aircraft procedures, human factors, aeronautical decision making, and CRM.

Prerequisite: Approval of Chief Flight Instructor.

FLT 495L - Airline Transport Pilot Single Engine Flight Lab (3)
This course will allow an enrolled appropriately rated Commercial Pilot student to acquire the proficiency
and experience needed to meet the certification requirements for a U.S. FAA ATP (ASEL). The performance criteria specified in the syllabus is based on the current FAA ATP (ASEL) Airman Certification Standards.

Prerequisite: FLT 490.

FLT 499L - Airline Transport Pilot Multi-Engine Flight Lab (3)
This course will allow an enrolled appropriately rated Commercial Pilot student to acquire the proficiency and experience needed to meet the certification requirements for a U.S. FAA ATP (AMEL). The performance criteria specified in the syllabus is based on the current FAA ATP (AMEL) Airman Certification Standards.

Prerequisite: FLT 490.

HFLT 116L - Private Pilot Flight Lab - Rotary (3)
Course is designed to provide the student with the in-flight practical instruction to acquire the proficiency and experience needed to meet the certification requirements to attain an FAA Private Pilot Certificate (H-SEL). The performance criteria specified in the syllabus is based on the current FAA H-SEL Airman Certification Standards (ACS).

Prerequisite: FLT 110.

HFLT 326L - Instrument Flight - Rotary (3)
This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for adding a U.S. FAA Instrument Rating to an existing Private or Commercial Pilot Certificate. The performance criteria specified in the syllabus is based on the current FAA Instrument Helicopter Pilot Airman Certification Standards.

Prerequisite: HFLT 336L.

HFLT 420 - Certified Flight Instructor Ground - Rotary (3)
This course allows the student to acquire the proficiency and experience needed to meet the certification requirements for adding a U.S. FAA Instrument Rating to an existing Private or Commercial Pilot Certificate. The performance criteria specified in the syllabus is based on the current FAA Instrument Helicopter Pilot Airman Certification Standards.

Prerequisite: HFLT 336L.

HFLT 430 - Certified Flight Instructor Instrument Ground - Rotary (3)
This ground training course is designed to allow the pilot applicant to acquire the aeronautical knowledge needed to safely operate as a Certified Instrument Flight Instructor and satisfactorily complete the Helicopter CFII Knowledge Test.

Prerequisite: HFLT 420.

FREN - FRENCH COURSE DESCRIPTIONS

FREN 101 - Elementary French (3)
Basic grammar, punctuation, pronunciation, and reading for vocabulary building, cultural aspects, and conversation. Laboratory practice required of all students.

Offered: F; S; SS.

FREN 102 - Elementary French (3)
Basic grammar, punctuation, pronunciation, and reading for vocabulary building, cultural aspects, and conversation. Laboratory practice required of all students.

Offered: F; S; SS.

GEOG - GEOGRAPHY COURSE DESCRIPTIONS

GEOG 142 - Introduction to Geography (3)
Study of basic terms and concepts in geography, study of maps with spatial variation. Study of the physical world and the forces that forged it. Patterns of weather and climate and their impact on vegetation, soils, and the distribution of the earth's resources. Review of human geography including
population, culture, urbanization, and industrialization.

Prerequisite: No Prerequisites. Offered: F: S: SS.

**GEOG 201 - World Geography (3)**

Surveys the social, economic, demographic, cultural, and physical elements of major geographic regions in the world. Serves students in different disciplines with various interests. Completion of this course gives the student an appreciation for the lifestyles of people in various regions of the world and an added awareness of the physical environments where these people live and work.

Prerequisite: No Prerequisites. Offered: F.

**GEOG 204 - Geography of the US and Canada (3)**

This course surveys the social, economic, demographic, cultural, and physical aspects of major cities in the world. It focuses specifically on cities and urban development in North America, but it also considers cities in other regions of the developed world as well as cities in regions that are less developed. Completion of this course should give the student an appreciation for how cities originated and grow, their structure, and mobility between and among them. In addition, the course should benefit the student in terms of greater awareness of lifestyles and activities within urban environments.

Prerequisite: No Prerequisites.

**GEOG 221 - Cartographic Principles (3)**

Planning and construction of thematic maps for use in communicating the spatial relations of geographic and geologic information. Includes topographic, geographic, and thematic maps, and various grid location systems, computer printouts of data collections, and aerial photos. Elements of map design and introduction to computer mapping (GIS) are also covered. Lecture, two hours; laboratory, two hours.

Prerequisite: GEOG 142. Offered: S.

**GEOG 305 - Economic Geography (3)**

A regional and systematic analysis of the principal economic production systems in the world, including: 1) present regional and global patterns of economic activities; and 2) explanations for the location of these activities.

Prerequisite: GEOG 142 or written consent from the Instructor or Department Chair. Offered: F.

**GEOG 308 - Weather and Climate (3)**

Elements and principles of meteorology involved in understanding daily weather patterns with regional study of the world's climate controls and the relation between these factors.

Prerequisite: GEOG 142. Offered: S.

**GEOG 406 - Geography of the U.S. and Canada (3)**

The historical creation and expansion of North America from African, Asian, and European influences. Explores the contemporary geography of the continent, which includes cultural regions, economic characteristics, and political variations. Also includes the study of the continent's physical and human geography and the interactions between these two elements of the discipline.

Prerequisite: GEOG 142 and 9 hours of Geography courses.

**GEOG 409 - Urban Geography (3)**

The study of human interaction in urban environments including the ways in which people perceive, define, and behave in world cities and metropolitan areas. Cultural and social differences among ethnic and racial groups are discussed. Also reviews the city as a physical phenomenon, its historical growth patterns, and the consequences of this growth in various regions of the world.

Prerequisite: GEOG 142 and 9 hours of Geography courses.

**GEOL - GEOLOGY COURSE DESCRIPTIONS**

**GEOL 110 - General Oceanography (3)**

Study of physical and chemical properties of the sea's water, tides and their causes, current and wave action, ocean environments, and configuration of the ocean floor. Lecture: three hours and one field trip to observe wave and tidal action.

Offered: S; SS.

**GEOL 135 - The Age Of Dinosaurs (3)**

A survey of the major dinosaur groups, including origins, diversification, physiology, classification, life habits, and extinction theories. Also covered is a
discussion of animals contemporary with the dinosaurs and the environment in which they all lived. Lecture: three hours.

Offered: S.

**GEOL 140 - Introduction to Earth Science** (*4*)

An introductory course for non-science majors that surveys basic concepts in geology, oceanography, meteorology, and astronomy including laboratory exercises.

Offered: S.

**GEOL 142 - Physical Geology** (*3*)

Introduction to physical aspects of the Earth and to factors responsible for shaping the earth, including internal and external forces. Lecture, three hours.

Offered: F.

**GEOL 142L - Physical Geology Lab** (*1*)

Laboratory includes techniques of identifying minerals and rocks, map interpretation, and field trips. Laboratory, two hours.

Offered: F.

**GEOL 143 - Historical Geology** (*4*)

Study of Earth history through interpretation of sedimentary, metamorphic, and igneous rock sequences, tectonics, and fossils. Lecture, three hours; laboratory, two hours.

Prerequisite: GEOL 158 or consent of Chairperson. Offered: S.

**GEOL 158 - Principles of Geological Science** (*3*)

Study of the Earth and the composition of the earth's crust. Included are internal and external processes that account for geomorphological features and their characteristics, mountain-building forces, mineral and energy resources, and the earth's internal composition. Lecture, three hours.

Prerequisite: No Prerequisites. Offered: F; S; SS.

**GEOL 158L - Principles of Geological Science Lab** (*1*)

Hands-on study of minerals; sedimentary, igneous, and metamorphic rocks; and understanding of geomorphological features using topographic maps and cross-sections. Laboratory, two hours.

Prerequisite: Prerequisite or Co-requisite: GEOL 158. Offered: F; S; SS.

**GEOL 331 - Aerial Photo Interpretation**

Methods and techniques used in gathering geological, environmental, physical, and political information from aerial photographs. Lecture, three hours.

Prerequisite: GEOL 158 or consent of Chairperson.

**GEOL 332 - Geomorphology** (*3*)

Reviews the fundamental geomorphic principles that govern the development and modification of landforms. Lecture and lab, three hours.

Prerequisite: GEOL 158 or consent of Chairperson. Offered: S.

**GEOL 341 - Mineralogy** (*3*)

Physical and chemical characteristics and crystal chemistry of minerals and their use and occurrence. Lecture, two hours; laboratory, two hours.

Prerequisite: GEOL 158. Offered: F.

**GEOL 342 - Optical Mineralogy** (*3*)

Identification of minerals with the polarizing microscope using optical properties of minerals including index of refraction and birefringence, uniaxial, and biaxial characters. Lecture, two hours; laboratory, two hours.

Prerequisite: GEOL 341. Offered: S.

**GEOL 343 - Sedimentology** (*3*)

Principles of sedimentology and sedimentation; analysis of depositional environments; mineralogy, textures, structures, and classification of sediments and sedimentary rocks. Lecture, two hours; laboratory, two hours.

Prerequisite: GEOL 158. Offered: F.

**GEOL 344 - Stratigraphy** (*3*)

Principles and methods of stratigraphy, including lithologic, seismic, and biologic methods. Interpretation of earth history through the study of layered sedimentary rocks. Graphic presentation of stratigraphic information. Lecture, two hours; laboratory, two hours.

Prerequisite: GEOL 158; GEOL 343. Offered: S.

**GEOL 345 - Paleontology** (*3*)

Principles of paleontology and evolution, morphology, and classification of major groups of invertebrate fossils, including their use in correlation
and identification of paleoclimates and paleogeography.

Prerequisite: GEOL 143 or MAS 421 or BIOL 101 or BIOL 100. Offered: F.

GEOL 348 - Hydrogeology (3)
Sources, occurrence, movement, quality, and recovery of ground water. Investigation of aquifer systems, rock properties that regulate flow of ground water, contamination sources, and remediation techniques. Lecture, three hours.

Prerequisite: GEOL 158. Offered: F.

GEOL 360 - Principles of Geographic Information System (GIS) (4)
The course includes learning the basic GIS operations, design, preliminary exposure to geographic data structures, and hands-on experiences with several GIS programs through exercises. Lecture and laboratory, four hours.

Prerequisite: CSC 111 or familiarity with computer usage. Offered: F.

GEOL 365 - Introduction to Remote Sensing and Digital Image Processing (4)
Basic principles of remote sensing and image analysis using a computer system with the end result of producing a map. Discussed are the introduction and basic principles, electro-optical sensors and imagery obtained, data acquisition and image processing, georeferencing, and terrain corrections. Lecture and laboratory, four hours.

Prerequisite: CSC 111 or familiarity with computer usage. Offered: S.

GEOL 395 - Individual Study in Geology (1-3)
Allows students to pursue specialized study in geology that is outside general course offerings. Students carry out reading assignments, do laboratory work, and participate in discussions with the instructor.

Prerequisite: Instructor's written consent. Offered: F; S; SS.

GEOL 440 - Structural Geology (3)
Analysis of earth's structure including folds, faults, joints, cleavage, fracture patterns, and petrofabrics. Structure of mountain systems and theories of mountain-building and plate tectonics. Lecture, two hours; laboratory, two hours.

Prerequisite: MATH 118; GEOL 143. Offered: S.

GEOL 441 - Petrology (3)
Fundamentals of igneous and metamorphic rock classification, identification, petrogenesis, and evolution. Microscopic and macroscopic (thin sections and hand specimens) study of rocks and evaluation of their minerals, structures, and textures in relation to their origin. Lecture, two hours; laboratory, two hours.

Prerequisite: GEOL 341. Offered: F.

GEOL 442 - Economic Geology (3)
Origin, emplacement, structure, mineralogy, and petrology of metallic and non-metallic economic deposits and fossil fuels. Evaluation of economic and environmental factors for the development of resources. Lecture, two hours; laboratory, two hours.

Prerequisite: GEOL 341, GEOL 344, and GEOL 440. Offered: S.

GEOL 444 - Field Geology (3)
Methods and techniques used in geological field investigations including geological mapping, preparation of subsurface cross-sections and maps; introduction to geophysical exploration techniques. A field trip is required.

Prerequisite: GEOL 143, GEOL 344, and GEOL 440. Offered: S.

GEOL 446 - Summer Practical Internship (6)
Minimum of six weeks of training in field geology including field techniques, data collection, interpretation, preparation, and report writing.

Prerequisite: GE 118; GEOL 332, GEOL 344, GEOL 440, GEOL 441, GEOL 444. The course requires expenses for the field trip. Students must see the Chairperson before enrolling in the course. Offered: SS.

GEOL 448 - Practicum in Geology (1)
Practical experiences in the teaching of freshman laboratories under faculty supervision. An elective open to those students expecting to go to graduate school and who have the approval of the Chairperson.

Offered: F, S.

GEOL 449 - Principles of Geochemistry (3)
Topics covered include basics of major and trace element geochemistry, petrogenesis and mantle
evolution, weathering and soil formation, geochemistry of ground and surface waters, geochemistry of pollutants, and petroleum and coal geochemistry. Lecture, three hours.

Prerequisite: GEOL 158, GEOL 341, GEOL 441; CHEM 101L, CHEM 102L. Offered: S.

GEOL 461 - Advanced Geographic Information System (4)
An advanced GIS course with emphasis on students' individual projects. Laboratory complements lecture, and will be a hands-on study of the discussion above, but the course concentrates mainly on individual projects. Lecture and laboratory, four hours.

Prerequisite: GEOL 360 and GEOL 365. Offered: F.

GEOL 496 - Seminar in Geology (1)
A review of all of the courses in the core areas of geology: physical, historical, mineralogy, petrology, sedimentology, stratigraphy, geomorphology, structural geology, paleontology, and field methods. This Capstone course is a requirement for graduating seniors in geology, and will serve as preparation for professional licensure. The course will integrate all of the fundamental concepts and skills that a geologist should have. Included will be problem solving, and other practical applications that will involve fieldwork. Lecture and field exercises: Three hours per week.

Prerequisite: Senior Standing. Offered: F; S.

GEOL 499 - Research in Geology (1-3)
An introduction to the mechanics of scientific research with actual hands-on projects. Students must design the investigation; research the problem in the field, in the library, and the laboratory as called for; and submit a written report of research project.

Prerequisite: Open to advanced Geology majors with written consent from Department Chair (Six semester credit hours maximum.). Offered: F; S; SS.

GLBS - GLOBAL STUDIES COURSE DESCRIPTIONS

GLBS 200 - Introduction to Global Studies (3)
Introduction to globalization and a broad range of cultural, economic, political, and social issues confronting the globalized world today. Examines the current structure of globalization. Thematic categories: culture and society, governance and conflict, and markets. Designed to capture principal dimensions of diverse and complex connections among nation-states, nongovernmental organizations, ethnicities, cultural and religious groups, and populations around the world.

Prerequisite: No Prerequisites, open to all students. Offered: F; S.

GLBS 320 - World Societies and Cultures (3)
A historical and cultural examination of Africa, Asia, the Middle East, the Americas, and Europe from 1650 to the present. Emphasizes the dynamic evolution of modern society by emphasizing religious, intellectual, economic, and political aspects of life and history.

Prerequisite: GE 140 and GE 141. Offered: F; S.

HLTH - HEALTH COURSE DESCRIPTIONS

HLTH 101 - First Aid, CPR, and AED (1)
Taught according to American Red Cross guidelines, this course will prepare you to recognize and care for a variety of first aid, breathing, and cardiac emergencies involving adults, children and infants and meets OSHA/workplace requirements. Upon successful completion of this course you will receive a digital certificate for American Red Cross Adult and Pediatric First Aid/CPR/AED valid for two years.

Offered: F; S.

HLTH 185 - Health Concepts (2)
Basic knowledge and behavior change techniques which allow the student to make intelligent decisions related to health and wellness. The course is usually taken during the freshman year and is a required course in the General Education program.

Offered: F; S; SS.

HLTH 200 - Introduction to Health and Wellness Promotion (3)
An introduction to the professional and academic field of health promotion and disease prevention. Epidemiological investigations of disease patterns and trends in the United States and health promotion efforts in various settings are explored. Emphasis is placed on the roles of lifestyles in determining health outcomes, social determinants of health, and effective strategies to help change health behavior.
Offered: F.

**HLTH 360 - Sexual Health Through the Lifespan**

An introduction to reproductive anatomy, sexual response, conception, family planning, pregnancy and child birth, sexuality throughout the life cycle, prevention of HIV/AIDS and other sexually transmitted diseases, contraception, homosexuality, atypical sexual behavior and sexual victimization.

Offered: F.

**HLTH 367 - First Aid, CPR and Safety (3)**

First Aid, CPR and Safety provides essential information that leads to certification for administering emergency care. Certification is a departmental requirement. The course is offered to all students.

Offered: S.

**HLTH 369 - Principles of Nutrition (3)**

This course focuses on the study of how the human body digests, assimilates, and uses dietary nutrients for fuel, growth, development. It discusses the importance of a healthy balanced diet for optimal health and wellness.

Offered: S.

**HLTH 374 - School Health Education (3)**

This course provides an overview of skills-based health education. It provides a foundation for planning and implementing effective health education. It provides students with knowledge, methods and materials necessary to teach health in grades K-12.

Offered: S.

**HLTH 450 - Health Parity: Rural, Urban, and Global Contexts (3)**

Social inequalities and health disparities at the local, national and international levels will be addressed. Students will explore the social factors that contribute to racial, ethnic, socioeconomic and gender disparities in health and healthcare. This course will strengthen students’ knowledge of the history and causes of health disparities and inequalities and will provide a theoretical grounding that will be applied in the study of practical solutions to eliminate health disparities and achieve health parity around the world.

Offered: S.

**HLTH 460 - Contemporary Health Education (2)**

A review of the techniques and principles relevant to the study of current health issues and problems in today's society. Health education methods and materials, instructional strategies, and the selection of resource materials are emphasized.

Offered: F.

**HLTH 465 - Drug Education (3)**

Physiological, psychological, and sociopolitical aspects of prescriptive, non-prescriptive, recreational, experimental, and illicit drugs; Drug abuse and misuse prevention strategies for all ages and diverse population groups, current trends in evidence based applications for educational and community programs. A project working with community or educational entity is required.

Offered: Every odd fall.

**HIST - HISTORY COURSE DESCRIPTIONS**

**HIST 140 - History of World Civilization, Prehistoric to 1500 (3)**

World Civilization from prehistoric times to the beginning of early modern times. Survey of political, economic, social, and intellectual history of major civilizations before the period of Western domination. Particular attention is devoted to ancient Egypt and Mesopotamia, ancient India and China, native cultures in the Americas, Islam at its height, Afro-Islamic kingdoms of West Africa, classical Mediterranean civilizations, medieval Europe, Renaissance, Reformation, and Age of Discovery. This course will also include the use of technology, critical reading, critical thinking, and critical writing assignments.

Prerequisite: No Prerequisite.

**HIST 140H - History of World Civilization, Prehistoric to 1500, Honors (3)**

World Civilization from prehistoric times to the beginning of early modern times. Survey of political, economic, social and intellectual history of major civilizations before the period of Western domination. Particular attention is devoted to ancient Egypt and Mesopotamia, ancient India and China native cultures in the Americas, Islam at its height, Afro-Islamic kingdoms of West Africa, classical
Mediterranean civilizations, medieval Europe, Renaissance, Reformation, and Age of Discovery. 

This course will also include the use of technology, critical reading, critical thinking, and critical writing assignments.

Prerequisite: No Prerequisite.

HIST 141 - History of World Civilization, 1500 to the Present (3)

World Civilization from 1500 to the present. Survey of the political, economic, social, and intellectual history of European, American, African, and Asian societies. Particular attention is devoted to the growth of nationalism, the age of revolution, new achievements in science and art, the effects of European colonialism on the indigenous peoples of Africa, Asia, Latin America, and the Middle-East, and the causes and results of the First World War, Second World War. This course will also include the use of technology, critical reading, critical thinking and critical writing assignments.

Prerequisite: No Prerequisite.

HIST 141H - History of World Civilization, 1500 to the Present, Honors (3)

World Civilization from 1500 to the present. Survey of the political, economic, social, and intellectual history of European, American, African, and Asian societies. Particular attention is devoted to the growth of nationalism, the age of revolution, new achievements in science and art, the effects of European colonialism on the indigenous peoples of Africa, Asia, Latin America, and the Middle-East, and the causes and results of the First World War, Second World War. This course will also include the use of technology, critical reading, critical thinking and critical writing assignments.

Prerequisite: No Prerequisite.

HIST 200 - Introduction to History (3)

An introduction to the methods of historical research, historical terminology and historical theory with an emphasis on the use of technology in research and digitization, critical thinking, and critical writing. The portfolio for history majors is started in the sophomore year.

Prerequisite: No Prerequisite. Offered: F.

HIST 250 - African American History to 1877 (3)

Survey of African backgrounds of African Americans and the part they played in the exploration and development of America. Studies African Americans' relationships with the constitutional, political, economic, social, and cultural development of the United States to 1877.

Prerequisite: No Prerequisite. Offered: F or S.

HIST 251 - African American History since 1877 (3)

Survey of African Americans in America from the end of Reconstruction to the present. Examines constitutional, political, economic, social, and cultural developments related to the African American presence in America. Also included: the Diaspora.

Prerequisite: No Prerequisite. Offered: F or S.

HIST 255 - American History to 1877 (3)

General political, constitutional, cultural, social and economic development of the United States from first contact with native cultures to the end of Reconstruction. This course utilizes active learning strategies such as Reacting to the Past to engage students in the learning process.

Prerequisite: No Prerequisite. Offered: F.

HIST 256 - American History Since 1877 (3)

Continuation of HIST 255. Analysis of the political, constitutional, social, and economic growth of United States from 1877 to the present. Emphasizes industrial development, economic depressions, the two World Wars, and social movements for equality as factors in American growth and development. This course utilizes active learning strategies such as Reacting to the Past to engage students in the learning process.

Prerequisite: No Prerequisite. Offered: S.

HIST 320 - Introduction to Digital & Public History (3)

This course will explore the development of the fields of digital and public history and examine the impact of digital media on the research, writing, teaching and presentation of history and the history, theory, and practice in both fields.

Offered: F.
HIST 321 - Archives, Museums, and Digitization Research Methods (3)

This course is designed to introduce students to the work of museums, archives, and other organizations in North Carolina, the United States, and around the world. The focus of the course will be on the physical practices of traditional as well as digital archives & museum management. Students will be expected to utilize class discussions, reading assignments, and independent research to explore relevant archival topics. Writing exercises, field work, online studies, and lectures will assist in advancing the student’s knowledge of the coursework.

Prerequisite: HIST 320. Offered: S.

HIST 322 - Digital History Project Seminar (3)

This research seminar course will examine leading works of digital history scholarship, explore theories of narrative in hypertext, and develop models of digital scholarly communication. Students will be expected to conduct research around selected topics in history, focus their work on the creation of a digital project, and participate in class discussion on methods and theories of digital media. The emphasis in this course, however, will be to develop in students an acute awareness of the opportunities and challenges inherent in communicating one's scholarship the digital medium. Students will explore the possibilities of digital history and engage the theoretical implications at every stage of their work. The final research project will feature the completion of an original piece of digital scholarship equivalent in scope to a research seminar paper.

Prerequisite: HIST 320.

HIST 331 - Prophets, Priests, and Radicals in the Atlantic World (3)

A thematic approach to the contributions of African religion and politics to the African diaspora in the United States and the Caribbean. Analyzes the role of religion in resisting oppression and racial injustice as well as the role of religion and the church.

HIST 332 - Global Religion (3)

Studies the major religions of the world and takes a comparative approach to the examination of religion and its role in cultural, economic, and political development around the world.

Prerequisite: HIST 140 or HIST 141.

HIST 351 - Colonial North America and the Atlantic World, 1492-1800 (3)

The interactions of varying groups of people in colonial North America, including cultural, political, and economic exchanges, and military conflicts. Follows the development of the colonies through the American Revolution to the New Republic, focusing on the multivalent influences that forged a diverse society.

Prerequisite: HIST 250 or HIST 255.

HIST 352 - Conflict, Reconstruction, and Imperialism, 1800-1919 (3)

Examines the role of slavery and freedom, labor, sectionalism, and empire in the making of the nineteenth and early twentieth-century United States. Focuses on the end of the Early Republic and the rise of sectionalism, the Civil War and Reconstruction, American empire and the rise of the U.S. in global affairs and conflict.

Prerequisite: HIST 250 or HIST 251 or HIST 255 or HIST 256.

HIST 358 - United States and the World, 1919-present (3)

American history from the First World War to the present, including the Great Depression and New Deal, the emergence of the welfare state, internationalism, the Second World War, the Cold War, conflicts in Korea, Vietnam, and the Middle East. Particular attention will be given to social and political movements.

Prerequisite: HIST 251 or HIST 256.

HIST 361 - Cold War: A Global History (3)

This course explores the Cold war as a global process through the lens of American foreign relations, probing its political and military as well as the social and cultural impact of the confrontation between the West and the Communist bloc.

Prerequisite: HIST 141.

HIST 371 - Apartheid and Freedom in South Africa (3)

This course explores the history of South Africa – from colonization and apartheid to democracy. The course will explore the place of the anti-apartheid movement within larger global currents, of post-colonialism, pan-Africanism, trade unionism, and Communism, and in comparison to other twentieth-century struggles for political and social justice (the American Civil Rights movement, Quit India, the
struggle for indigenous rights in New Zealand and Australia, etc.).

Prerequisite: HIST 141.

HIST 372 - The Black Atlantic (3)

This course will examine the role of people of African descent in the movement of traditions, ideas, politics, and cultures across the space of the Atlantic World. Particular attention will be given to the essential role of people of African descent, in the making of the modern world.

Offered: S (Odd years).

HIST 373 - Black Freedom Struggles (3)

This course examines the histories of African and African-descended people’s struggles for freedom around the world. Using a combination of primary and secondary sources, film and other media, students will explore and examine the nature of various black freedom struggles from the modern era to the present.

Offered: Fall.

HIST 376 - African-American Experience in North Carolina (3)

This course will explore the history of North Carolina and the Albemarle region from colonial times to the present day through the African-American experience. Particular attention will be given to the role of African Americans in forging modern North Carolina through political activism and cultural creativity.

Offered: Fall.

HIST 382 - Black Women's History (3)

With identities forged at the intersection of race and gender, Black women around the world have brought a unique set of experiences and contributions to the global stage for countless centuries. In their myriad and societal roles, they have made unique contributions to their families and communities, globally and locally. Using a variety of analytical frameworks, this course interrogates Black women's history from the 1500s through today. Primary sources, monographs, essays, fiction, media, and site visits will constitute the texts of this course.

Prerequisite: HIST 140 or HIST 141 or HIST 250 or HIST 251. Offered: Spring even years.

HIST 383 - Ancient and Medieval Worlds (3)

Examination of the historical development of Eurasia and Africa from 800 BCE to 1350 CE. Topics include the political and cultures of Greece, Rome, Persia, Swahili states, West Africa, and elsewhere. Particular attention will be given to cultural exchange, the role of religion, and imperialism.

Prerequisite: HIST 140.

HIST 384 - The Birth of Modern Europe, 1350-1789 (3)

Examination of European history from the Italian Renaissance to the outbreak of the French Revolution. Topics include Renaissance art, exploration, the Reformation, absolute monarchy, the reign of Louis XIV, Russia, the English Civil War and Revolution, and the Enlightenment.

Prerequisite: HIST 140 or HIST 141.

HIST 385 - Revolution and Empire in Nineteenth Century Europe (3)

Examination of the social, political, intellectual history of Europe between the French Revolution and the end of World War I. Topics include the rise and defeat of Napoleon, liberalism versus conservatism, the social effects of the Industrial Revolution, and the growth of Nationalism, Marxism, Imperialism, and Militarism.

Prerequisite: HIST 141.

HIST 386 - War of the Worlds: Europe in the Twentieth Century (3)

Examination of some of the major developments in Europe from the end of World War I to the present: rise of Fascism in Germany and Italy, the political careers of Lenin and Stalin, World War II, the Cold War, the birth of Solidarity, the rise to power of Gorbachev, the collapse of the Iron Curtain and the U.S.S.R., the reunification of Germany, and post-Soviet Russia. Emphasizes the origins of modern political crises.

Prerequisite: HIST 141.

HIST 397 - Historical Methods and Historiography (3)

Trains History majors and Social Studies Education students in the approach and methods of the historian, emphasizing fundamentals of research and writing as well as the basic schools of historical thought. 

Course includes use of technology. The portfolio is evaluated. Students will begin a major research paper to be completed in HIST 499.
Prerequisite: Junior status, completion of HIST 200 with a C" or higher." Offered: S.

**HIST 465 - China, East Asia, and the World (3)**
Survey of the political, religious, social, cultural, economic, and intellectual development of China and East Asia. Special attention will be given to China’s encounter with the West, the role of colonization and trade, and the emergence of China as a superpower during the twentieth century.
Prerequisite: HIST 141.

**HIST 473 - Africa and the Making of the Modern World (3)**
Examination of Africa and its place in the making of the modern world from c. 1500 to the present day. Attention given to pre-colonial African civilizations, colonial states and societies, African nationalisms and decolonization, and the independence era.
Prerequisite: HIST 141. Offered: F (odd year).

**HIST 475 - History of the Islamic World (3)**
Survey of the political, religious, social, cultural, economic, and intellectual development in global Islamic communities. Special emphasis will be placed on key literature and texts, political Islam in history and its use by Muslim populations in the West and the broader Muslim world. In addition, students will study key topics in Islam and popular culture, Islam and gender, Islam and global politics, Islam in America, Africa, Europe, and Asia in the modern era starting with the rise and fall of the Ottoman Empire.
Prerequisite: HIST 140 or HIST 141. Offered: S (even years).

**HIST 481 - Global Women’s History (3)**
Women’s lives throughout the world have impacted their respective societies and vice versa. The unique voice of women has, until recently, either been dismissed or muted. The global impact of women’s work, ideas, political activities, and social activism is studied in this course. Women have made connections cross-culturally and many of their interactions will be explored. The course interjects the importance of women’s experiences as it relates to the larger historical narrative of world history.
Prerequisite: HIST 140 or HIST 141.

**HIST 483 - History of ECSU and Black Education (3)**
Addresses in general the key events in the history of education for African Americans in the Southern United States from around 1865 to the present, emphasizing higher education, in particular, the history of Elizabeth City State University from 1891 to present. Course includes a project based on documents preserved in the Elizabeth City State University Archives.
Prerequisite: HIST 140 or HIST 141. Offered: Spring (every other year).

**HIST 490 - Internship in History ((3) (6))**
Can be offered as a three-hour course or a six-hour course. Student is placed in an internship by the instructor, working with an agency relating to public history. Student must complete 75 contact hours of engaged internship activities approved by the agency supervisor and the instructor.
Prerequisite: HIST 200 and with permission of Instructor. Offered: SS.

**HIST 493 - Women's and Gender History Special Topics (3)**
A study of one or more selected historical topics on women’s and gender history.
Prerequisite: HIST 200 or instructor's permission.

**HIST 494 - African-American History Special Topics (3)**
A study of one or more selected historical topics in the instructor's specialty of African American History.
Prerequisite: HIST 200 or instructor's permission.

**HIST 495 - US History Special Topics (3)**
A study of one or more selected historical topics in the instructor's specialty of American History.
Prerequisite: HIST 200 or instructor's permission.

**HIST 496 - European History Special Topics (3)**
A study of one or more selected historical topics in the instructor's specialty of European History.
Prerequisite: HIST 200 or instructors permission.

**HIST 497 - World History Special Topics (3)**
A study of one or more selected historical topics in the instructor's specialty of World History.
Prerequisite: HIST 200 or instructor's permission.

**HIST 498 - African History Special Topics (3)**
A study of one or more selected historical topics in the instructor's specialty of African History.
Prerequisite: HIST 200 or instructor's permission.
HIST 499 - History Seminar (3)
A continuation of HIST 397. It is the capstone course. Students complete the major research paper begun in HIST 397 that will demonstrate proficiency in historical research, critical thinking, critical analysis, historical writing techniques, use of appropriate technology; and presentation of research in the Program Research Day activities. The completed portfolio is due. History majors are required to earn a "C" or higher in this class to successfully complete the course.
Prerequisite: Senior status, successful completion of HIST 200 and HIST 397 with a grade of "C" or higher. Offered: F.

HMLS - HOMELAND SECURITY
COURSE DESCRIPTIONS

HMLS 215 - Introduction to Homeland Security (3)
An overview of the history, organization, and the functions of the Department of Homeland Security. Examines and explores the theories, concepts, and case studies that are a part of homeland security in the United States.
Prerequisite: No Prerequisite. Offered: F; S.

HMLS 222 - Ethical and Legal Issues in Homeland Security (3)
This course is a practical study of ethics in the National Security arena and examines the ethical issues facing individuals and institutions in and outside the government, nationally and internationally. Concepts and principles will be used throughout the course to give meaning to specific behaviors, but theory will be related to real-world applications.
Offered: S.

HMLS 230 - Border and Immigration Control (3)
Examines the political and operational factors influencing border and immigration control at the federal, state and local levels. Students will analyze homeland security legislation, practices, and presidential directives focusing on issues dealing with border and immigration control.
Offered: F; S.

HMLS 310 - Research, Writing and Communication in Homeland Security (3)
This course enables students to write an communicate effectively as security professionals.
Prerequisite: CJ 201 or HMLS 215. Offered: F.

HMLS 325 - Critical Infrastructure Protection (3)
Provides a basic understanding of the identification, prioritization, and protection of critical infrastructure including information technology, telecommunications, chemical, transportation, energy, water, medical, emergency services, and postal and shipping. The course will focus on risk-based implementation of protective measure and practices.
Offered: F; S.

HMLS 350 - Conflict Negotiation and Resolution (3)
Presents the development of communication and management skills essential for successfully resolving conflict situations involving labor and management practices. The structural dysfunction of organizations is also explored.
Prerequisite: Any 200 level CJ or HMLS course. Offered: F or S.

HMLS 360 - Introduction to Intelligence Analysis (3)
This course will introduce students to the form, function, purpose, and general capabilities of the US Intelligence Community (IC) and the supporting role intelligence analysis plays in achieving US national security objectives. Special emphasis in this course will be placed on developing the critical thinking, writing, and briefing skills necessary to successfully perform as an intelligence analyst.
Offered: F; S.

HMLS 385 - Special Topics in Security Concerns (3)
The world is now experiencing several global issues that are threats to our security. These issues include, but are not limited to, human trafficking, terrorist acts, the spread of a pandemic, drug trafficking, etc. The proposed course addresses one or more of such issues depending on the instructor's area of interest.
Prerequisite: Any 200 level CJ or HMLS course. Offered: F or S.
HMLS 391 - Terrorism (3)

This course emphasizes the histories, types, and theories of terrorism with a special focus on social and social movement theories, network analysis, and ideology in analyzing the socio-economic and political costs of terrorism, and the prediction of terrorist acts in the future.

Prerequisite: Any 200 level CJ or HMLS course. Offered: S.

HMLS 480 - National Security and Globalization (3)

This course will examine the implications of rising worldwide interdependence upon relevant aspects to U.S. national security concerns.

Prerequisite: Any 300 level CJ or HMLS course. Offered: S.

HMLS 490 - Senior Seminar in Homeland Security (3)

This senior capstone course allows students majoring in homeland security to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses.

Offered: F; S.

HMLS 499 - Internship (3)

HMLS 499 represents the professional work experience required in the homeland security major. Students work in a professional setting for a minimum of 180 hours under the supervision of a site supervisor. Internships may be taken at any time after students have taken 30 credits of university coursework.

Prerequisite: HMLS 215 and HMLS 360. Offered: F or S.

HON - HONORS COURSES

DESCRIPTIONS

HON 194/195 - Freshman Honors Colloquia (1 credit hour per course)

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

HON 201 - Sophomore Honors Seminar (3)

The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course has an interdisciplinary theme. Designed for all sophomore-level or above Honors Program students. Faculty members propose the theme of the course and outline the format of the class. They organize the course, invite guest lecturers, lead primary discussions, give assignments, and evaluate students. The course includes intensive reading, writing, and research.

Offered: F/S.

HON 202 - Sophomore Honors Seminar (3)

The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course has an interdisciplinary theme. Designed for all sophomore-level or above Honors Program students. Faculty members propose the theme of the course and outline the format of the class. They organize the course, invite guest lecturers, lead primary discussions, give assignments, and evaluate students. The course includes intensive reading, writing, and research.

Offered: F/S.

HON 294/295 - Sophomore Class—Sophomore Honors Colloquia (1 credit hour per course)

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

HON 301 - Junior Honors Seminar (3)

The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course has an interdisciplinary theme. The Honors Seminar may be taken by all junior-level or above and transfer students. Faculty members propose the theme of the course and outline the format of the class. They organize the course, invite guest lecturers, lead primary discussions, give assignments, and evaluate students. The course includes intensive reading, writing, and research. An oral presentation of the research work of this course must be presented at an on-campus research forum.

Prerequisite: Instructor's or Honors Program Director's written consent. Offered: F/S.
HON 302 - Junior Honors Seminar (3)
The Honors Seminar is a facilitated course that can be taught by multiple faculty members. The course has an interdisciplinary theme. The Honors Seminar may be taken by all junior-level or above and transfer students. Faculty members propose the theme of the course and outline the format of the class. They organize the course, invite guest lecturers, lead primary discussions, give assignments, and evaluate students. The course includes intensive reading, writing, and research. An oral presentation of the research work of this course must be presented at an on-campus research forum.

Prerequisite: Instructor's or Honors Program Director's written consent. Offered: F/S.

HON 394/395 - Junior Class—Junior Honors Colloquia (1 credit hour per course)
A thematic approach involving the "Great Ideas" (Justice, Love, Death, etc.) as a frame of reference.

HON 399 - Honors Independent Study (3)
Study of special topic(s) in consultation with, and completed under the supervision of, a member of the Honors faculty or another faculty member upon approval of the Director of the Honors Program and the Honors Council.

Prerequisite: Junior or Senior standing in the Honors Program. Offered: F/S.

HON 494 - Senior Honors Colloquium (3)
This course includes a Senior Honors Thesis/Research Project which must be approved by an advisor in the major Department with consent of the Honors Program Director and/or the Honors Council.

Prerequisite: Consent of the instructor. Offered: F; S; SS.

HON 495 - Senior Honors Colloquium (1)
This course is designed only for students to complete and defend the Senior Honors Thesis/Research Project begun in HON 494.

HON 499 - Honors Independent Study (3)
Study of special topic(s) in consultation with, and completed under the supervision of, a member of the Honors faculty or another faculty member upon approval of the Director of the Honors Program and the Honors Council.

Prerequisite: Instructor's written consent. Offered: F; S.

INDS - INTERDISCIPLINARY STUDIES

INDS 300 - Introduction to Interdisciplinary Studies (3)
The gateway course for the Interdisciplinary Studies degree program. Students will engage with faculty and disciplines from across the Interdisciplinary Studies program and develop and justify a proposed degree pathway. Interdisciplinary thinking and global awareness will be emphasized.

Offered: F; S; SS.

INDS 400 - Capstone in Interdisciplinary Studies (3)
The capstone experience for students in the Interdisciplinary Studies program. This is a project-based course during which students will reflect on and justify their academic pathway with an interdisciplinary final project developed in coordination with the course instructor.

Offered: F; S; SS.

JOUR - JOURNALISM COURSE DESCRIPTIONS

JOUR 200 - Broadcast Laboratory (1)
Hands-on experience at WRVS campus radio station. Laboratory setting where students work in area of special interest under supervision of a radio station staff member. Students meet with instructor by appointment to discuss work. Students design the semester's work with faculty approval.

Offered: F; S; SS.

JOUR 346 - Journalism Laboratory (1)
Practical laboratory for News Media Concentration students and staff members of student publications. Provides basic learning and direct application to school/college newspapers, particularly in writing, editing, layout, and production of The Viking Times, the university newspaper. May be repeated.

Prerequisite: Consent of the instructor. Offered: F; S.

JOUR 347 - Publications Laboratory (1)
Practical laboratory for students at all academic levels. Provides basic learning and direct application to university/departmental publications. May be repeated.

Prerequisite: Instructor's written consent. Offered: F; S.
JOUR 349 - Mass Media (3)
Introduction to the history, techniques, and psychology of mass media and their impact on society.
Prerequisite: ENGL 103 or ENGL 105H. Offered: F.

JOUR 351 - Journalism I (3)
Basic elements of journalism, format of newspapers, and organization and writing of news and feature stories.
Prerequisite: ENGL 103. Offered: F.

JOUR 352 - Journalism II (3)
Study and practice of news writing, copy editing, proofreading, page makeup, type structure, headlining, and arranging of stories, and feature writing.
Prerequisite: JOUR 351 or Instructor's written consent. Offered: S.

JOUR 449 - Photojournalism (3)
Covers basic and advanced techniques and principles of contemporary photojournalism, including film processing and printing, use of the camera, metering, action and sports photography, feature and spot news photography, use of the flash unit, and the photo essay.
Prerequisite: Photography I (ART 340) or equivalent experience, or instructor's written consent. Offered: S.

JOUR 451 - Broadcast Journalism (3)
Develops the critical thinking and decision-making skills needed to identify, research and develop dynamic news and feature stories for radio and television broadcasting. Covers news judgment, advanced broadcast writing and scripting, interviewing techniques, and developing and utilizing sources within a variety of environments, including news beats, computer-assisted reporting, and investigative journalism.
Prerequisite: JOUR 351 and MCOM 350 or instructor's written consent. Offered: F.

JOUR 499 - Seminar Internship (3-6)
Supervised field experience in news media. Includes newspaper and broadcast journalism, seminar sessions, and independent study.
Prerequisite: Completion of News Media sequence or the Department Chair's written consent. Offered: F; S; SS.

KIN - KINESIOLOGY COURSE DESCRIPTIONS

KIN 200 - Theory of Coaching Football (3)
Defensive and offensive strategies. Emphasizes team conditioning, care and purchase of equipment, and public relations. Open to all students.
Offered: Every Other Fall.

KIN 201 - Coaching Basketball (3)
Fundamental concepts of coaching basketball. Emphasizes offensive and defensive play, playing strategies, team conditioning, and learning rules. Open to all students.
Offered: Every Other Fall.

KIN 205 - Technology Application in Fitness and Wellness (2)
Exploration and examination of technology application relevant to recreation, fitness, wellness and sport. Emphasis will be placed on a hands-on approach exploring how various technologies, including Heart rate monitor, computing, multimedia & smart devices can be used in recreation, fitness and wellness and sport settings.
Offered: S.

KIN 206 - Coaching Baseball/Softball (2)
Fundamental knowledge needed to coach basketball and softball. Emphasizes team organization, basic techniques, terminology, player selection, and game strategies. Open to all students.
Offered: S.

KIN 210 - Applied Anatomy and Physiology (3)
Survey of the interrelationships between specialized human body structures and their functions. Emphasizes skeletal, muscular, respiratory, circulatory, and nervous systems. Offered for Physical Education majors. Lecture: three hours.
Offered: F.

KIN 210L - Applied Anatomy and Physiology Lab (1)
Laboratory investigations which stress anatomical and physiological aspects of humans. Laboratory: one hour.
KIN 216 - Elementary Physical Education (3)
Introduces prospective physical education teachers to the unique needs and characteristics of young children in grades K-6. Special emphasis is placed on developmentally appropriate practice for educating students about motor skills, movement concepts, physical activity, fitness, personal and social responsibility, and valuing physical activity.

Offered: Spring.

KIN 230 - Sport Specific Coaching I (3)
This course is based on the National Standards for Sport Coaches and provides the coach with information needed for successful techniques of coaching for invasion, target games, net and wall games and related sports.

Offered: S (Every other year).

KIN 231 - Sport Specific Coaching II (3)
This course is based on the National Standards for Sport Coaches and provides the coach with information needed for successful techniques or coaching for striking, fielding, cooperative games and related sports.

Offered: S (Every other year).

KIN 239 - Introduction to Kinesiology (2)
This class introduces students to the history of Kinesiology and its sub-disciplines, history, philosophy, and scope of the field.

Offered: F.

KIN 242 - Teaching Team Sports (2)
Provides the basic concepts and instructional techniques for teaching team sports in a school or activity program setting.

Offered: Every Even Fall.

KIN 243 - Teaching Individual and Dual Sports (2)
Provides the basic concepts and instructional techniques for teaching individual and dual sports in a school or activity program setting.

Offered: S.

KIN 265 - Leisure and Society (3)
An introduction to leisure as a significant force in contemporary life. The importance of leisure for individuals, groups and cultures is explored through social, technological, psychological, historical, philosophical, anthropological, and economic foundations.

Offered: S.

KIN 300 - Exercise Physiology (3)
Analysis of human functions under stress of muscular activity. Provides a basis for study of physical fitness and athletic training.

Prerequisite: BIOL 215 or BIOL 307. Offered: S.

KIN 307 - Teaching Lifetime Leisure Pursuits (2)
Teaches prospective physical education teachers how to teach lifetime leisure pursuits. Includes a variety of individual, dual, and team sports; cultural and social recreational activities; managing and planning leisure time; and an introduction to health-related fitness benefits associated with lifetime leisure pursuits.

Offered: Every Odd Fall.

KIN 316 - Teaching Fitness Education (3)
Introduces prospective physical education teachers to health-related fitness foundations and components, basic training principles, appropriate curriculum for K-12 and effective teaching and assessment principles. Physical Best Health/Fitness Specialist Certification is an option for an extra fee.

Offered: F: S.

KIN 369 - Prevention and Care of Athletic Injuries (3)
Offers theory in conditioning and training for the prevention of athletic injuries, diagnostic procedures, massage, taping, hydrotherapy, and handling emergencies involving athletic injuries. Taught according to American Red Cross guidelines, this course will prepare you to recognize and care for a variety of first aid, breathing, and cardiac emergencies involving adults, children and infants and meets OSHA/workplace requirements. Upon successful completion of this course you will receive a digital certificate for American Red Cross Adult and Pediatric First Aid/CPR/AED valid for two years.

Offered: S, F.
KIN 370 - Kinesiology (3)
Action of muscles involved in fundamental movements, calisthenics, sports, and gymnastics.
Offered: F.

KIN 371 - Psychology of Coaching (3)
Deals with the psychological aspects of motivation and personality management as they relate to the coaching profession. Emphasizes the role of the coach in determining the behavioral conduct of the team and staff.
Offered: F.

KIN 375 - Recreation, Fitness and Wellness Management and Programming (3)
An introduction to the basic processes of management in physical education and athletics. Special emphasis on the problem solving/decision making process as related to managerial control, budgetary procedures, cost containment techniques, and the selection, utilization, and control of physical space, supplies, equipment, and environment.
Offered: F.

KIN 379 - Lifestyle, Weight Management, and Health Coaching (3)
Provide content knowledge and practical experience in basic nutrition, behavior change, exercise, and health psychology. ACE certification exam prep
Offered: Spring.

KIN 380 - Sports Officiating I in Football & Basketball (3)
The psychology and techniques of officiating. Mastery of knowledge of the rules will be required on a written test and in a practicum situation. Open to all students.
Offered: F.

KIN 382 - Curriculum, Teaching, and Assessment (3)
Prerequisite to student teaching in Physical Education and Health; all students must pass this course with a minimum grade of "C." This course provides and understanding of the instructional methods and techniques necessary to effectively plan, design, assess, teach, and analyze Physical Education and Health classes. Clinical experience is required. This course is behavior analytic in nature and will be based on developing behaviors that will help the students taking this course succeed in the course and in future educational endeavors.
Offered: Fall.

KIN 383 - Aquatic & Fitness Instruction (3)
Provides content knowledge and practical experience in water aerobics instruction. At the end of this course students will be prepared to take a national aquatic exercise instructor exam such as the one offered by the Aquatic Exercise Association.
Prerequisite: KIN 370. Offered: S.

KIN 388 - Lifesaving (3)
The purpose of the American Red Cross Lifeguarding course is to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide care for breathing and cardiac emergencies, injuries and sudden illnesses until emergency medical services (EMS) personnel take over. Taught according to ARC guidelines.
Prerequisite: PE 175. Offered: S.

KIN 390 - Water Safety (3)
Provides students with theory and practice in the use of methods, materials, and techniques in teaching swimming. Required course for students in the Aquatics Fitness track. Open to other students. Taught according to ARC guidelines.
Prerequisite: KIN 300, KIN 370, may take these concurrently or with instructor permission. Offered: F; S; SS.

KIN 399 - Applied Techniques in Strength and Conditioning (3)
This course bridges the gap between knowledge gained in curriculum coursework and practically applies that knowledge into the skills necessary to obtain a certification in personal training. It delves deeper into anatomy, kinesiology, and biomechanics correlating theory into safe and effective resistance training programs. Successful completion of this course will prepare the student for passing a national certification exam in personal training.
Prerequisite: KIN 300, KIN 370. Offered: S.

KIN 401 - Motor Learning and Motor Behavior (3)
Basic concepts underlying motor learning including neurophysiological bases, feedback, perception, and other factors influencing rate, behavior, and amount of learning.
Prerequisite: PE 370. Offered: F; SS.
KIN 405 - Biomechanics (4)
Application of physical laws and mechanical principles to the human musculoskeletal system with an emphasis placed on critical thinking skills, and evaluation of joint angles as applied to movement and sport.
Offered: F.

KIN 405L - Biomechanics Lab (1)
Application of physical laws and mechanical principles to the human musculoskeletal system with an emphasis placed on critical thinking skills, and evaluation of joint angles as applied to movement and sport. Must take KIN 405 Lecture and KIN 405 Lab concurrently.
Prerequisite: KIN 370. Corequisite: KIN 405.
Offered: S.

KIN 420 - Wellness Programming and Administration (3)
This course provides an overview of principles relating to corporate wellness administration, including marketing, market research, screening, implementation of fitness and wellness programs to individuals, groups, centers and corporate settings.
Offered: S (every odd spring).

KIN 421 - Facilities in Recreation, Events, Fitness and Wellness (3)
This course is designed to provide future sport facility and event managers with theoretical and practical knowledge in green facility planning, construction, operation, maintenance and numerous issues confronting sport industry professionals and organizations today. Topics related to the event management side of the industry will also be covered, with special attention paid to event planning, marketing operation activation and sponsorship.
Offered: S.

KIN 430 - Nutrition and Fitness and Sport (3)
Targets nutrition as a means to enhance performance in sport and recreational activity. Discusses nutrient timing, energy metabolism, weight control, and carbohydrate loading.
Offered: S (Even years).

KIN 435 - Scientific Basis of Health and Aging for Older Adults (3)
Study of age associated physical changes and the effects of the physiology of exercise and lifestyle choices on the aging process.
Offered: F (Odd years).

KIN 448 - Exercise Prescription for Chronic Disease (3)
An overview of the pathophysiology of common diseases with a focus on the design, implementation and administration of exercise prescription for special populations with chronic disease.
Offered: F (even years).

KIN 403 - Research in Kinesiology (3)
Conducting and evaluating research as an independent study opportunity on special problems or issues relating to Kinesiology, Fitness, Wellness, and Health
Prerequisite: KIN 369 and PSY 301. Open to all students. Offered: Every Odd Spring.

KIN 407 - Group Exercise Instruction (3)
Provide practical experiences in teaching group fitness exercises, including hi/lo, step, interval, and resistance training. Ace certification exam prep.
Offered: Fall.

KIN 416 - Advanced Kinesiology and Biomechanics (3)
This course bridges the gap between knowledge gained in curriculum coursework and practically applies that knowledge into the skills necessary to obtain a certification in personal training. It delves deeper into anatomy, kinesiology, and biomechanics correlating theory into safe and effective resistance training programs. Successful completion of this course will prepare the student for passing a national certification exam in personal training.
Prerequisite: KIN 300, KIN 370, may take these concurrently or with instructor permissions. Offered: S.

KIN 447 - Exercise Prescription and Testing (3)
Required course for all PE majors, to reinforce the basic principles of exercise physiology and to acquire skills necessary for exercise testing and conducting fitness assessments to be used for writing exercise prescriptions based on the needs of the individual. A three hour lab accompanies this course.
KIN 447L - Exercise Prescription and Testing Lab (1)
Required course for all PE majors, to reinforce the basic principles of exercise physiology and to acquire skills necessary for exercise testing and conducting fitness assessments to be used for writing exercise prescriptions based on the needs of the individual. This is a three hour lab which accompanies the three (3) credit course PE 447.
Prerequisite: Must take KIN 447 Lecture and KIN 447 Lab concurrently. Offered: F.

KIN 470 - Adapted Physical Education (3)
This course develops knowledge of current concepts and trends in adapted physical education and the ability to assess, plan, and implement a physical education program designed to meet the unique needs of individuals.
Offered: Every Odd Fall.

KIN 471 - Professional Seminar In Health Care Management (3)
Provides opportunity to identify and discuss common problems and possible solutions of current and emerging challenges in organizing and financing the managerial functions in health care, more specifically, physical and occupational therapy.
Offered: F.

KIN 478 - Swimming Pool Operation and Maintenance (3)
This course is designed to teach students essential information and knowledge about swimming pool operation and management that will enable them to properly maintain and operate and aquatics facility. There is an option to earn certification through the American Swimming Pool & Spa Association. This certification is an optional extra charge of $35.00. You must earn a 70% or higher on the American Swimming Pool & Spa Association standardized test to earn your certification. Course assignments, points, and schedule are subject to change however the course grading scale will always coincide with the ECSU 10% grading scale.

KIN 491 - Kinesiology Field Experience I (3)
The experience benefits the students by allowing them to apply college training in an everyday job situation while continuing to earn college credits. Students will have the opportunity to choose from a variety of settings related to their major. This course requires 135 hours of onsite experience supervised by a professional in the field. American Red Cross First Aid, CPR, and AED certification is required.
Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F.

KIN 492 - Kinesiology Field Experience II (3)
The experience benefits the students by allowing them to apply college training in an everyday job situation while continuing to earn college credits. Students will have the opportunity to choose from a variety of settings related to their major. This course requires 135 hours of onsite experience supervised by a professional in the field. American Red Cross First Aid, CPR, and AED certification is required.
Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: S.

KIN 493 - Kinesiology Field Experience III (3)
The experience benefits the students by allowing them to apply college training in an everyday job situation while continuing to earn college credits. Students will have the opportunity to choose from a variety of settings related to their major. This course requires 135 hours of onsite experience supervised by a professional in the field. American Red Cross First Aid, CPR, and AED certification is required.
Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: SS.

KIN 495 - Practicum In Physical/Occupation Therapy (8)
Supervised field placement in a health care institution under a qualified PT, OT, or physician for a minimum of 125 hours. An additional 75 hours will be spent in a health care facility related to the student's career interest.
Offered: F; S; SS.

KIN 496 - Supervised Field Work In Coaching and Officiating (8)
Practical experience in coaching on the club level for 100 hours or the equivalent subject to the discretion of the site supervisor. An additional 100 hours will be spent officiating seasonal sports on an intramural varsity or club level under a certified official or supervisor.
Offered: F; S; SS.
KIN 499 - Aquatic & Fitness Internship (8)
A supervised field experience of 200 hours in applied commercial or institutional private fitness centers.
Prerequisite: Teacher's written consent. Offered: F; S; SS.

LATN - FRENCH COURSE DESCRIPTIONS

LATN 101 - Introductory Latin (3)
This course introduces students to the basics of basic Latin vocabulary, syntax, and grammar, as well as translation skills from Latin to English and English to Latin.
Offered: F,S.

LATN 102 - Introductory Latin II (3)
This course builds upon the concepts of vocabulary, grammar, and syntax taught in Introductory Latin I, and introduces students to more complex concepts such as the subjunctive mood, participles and infinitives, as well as more advanced readings and translations.
Offered: F,S.

MAS - MARINE ENVIRONMENTAL SCIENCE COURSE DESCRIPTIONS

MAS 111 - Introduction to Marine Sciences (3)
An introduction to the physical, chemical, geological, and biological processes of the ocean and interactions with adjacent waters, ocean environment, and configuration of the ocean floor. Lecture: (3) hours.

MAS 224 - Marine and Coastal Resources (3)
An introduction to the resources and economic potential of the marine and coastal environment. Topics include the search for and recovery of petroleum, metals, gemstones, bulk materials for construction, and agriculture and the ocean's biological wealth. Lecture three (3) hours.
Offered: F.

MAS 226 - Beach and Island Environments (3)
Examines the marine processes to which these coastal ecosystems are constantly subjected. Explores the importance of these regions to the human population and delicate balance that is needed to achieve the sustainable development of these regions. Lecture three (3) hours.
Offered: S.

MAS 330 - Marine Geology (3)
The formation and evolution of the world's ocean and coastal regions, focusing on their geologic setting and their responses to natural processes and human activities. Lecture three (3) hours.
Prerequisite: BIOL 100 or GEOL 158L. Offered: F.

MAS 331 - Marine Biology (3)
Physical, chemical, and biological processes emphasizing adaptation of marine organisms. Lecture: (3) hours.
Prerequisite: BIOL 101, BIOL 102. Offered: S.

MAS 333 - Wetland and Ocean Chemistry (4)
An overview of the various chemical processes that determine the environmental characteristics of wetland and ocean waters. Lecture three (3) hours; Lab two (2) hours.
Prerequisite: CHEM 101L; CHEM 102L. Offered: S.

MAS 340 - Field Internship (4)
Field work at an accredited facility such as a Marine Laboratory.
Prerequisite: MAS 331 and instructor's written consent. Offered: SS.

MAS 401 - Global Geochemical Cycles (3)
A seminar course evaluating the global geochemical cycle of carbon, nitrogen, water, and sulfur with emphasis on their impact of global climate. Lecture: (3) hours.
Prerequisite: CHEM 101L; CHEM 102L. Offered: F.

MAS 402 - Physical Oceanography (3)
Physical processes of the oceans, the dynamics of waves, tides, current, and transmission of light and sound. Lecture (3) hours; Field Trips.
Prerequisite: MAS 331; PHYS 182L. Offered: S.

MAS 420 - Marine Vertebrates (3)
Comparative physiology of marine animals with emphasis on responses of organisms to environmental factors. Lecture three (3) hours.
Prerequisite: BIOL 101, BIOL 102. Offered: F.
MAS 421 - Marine Invertebrates (3)
Structure, function, and development of marine invertebrates. Lecture three (3) hours.
Prerequisite: BIOL 101, BIOL 102. Offered: F.

MAS 422 - Marine Microbiology (3)
Morphology, reproduction, life history, and environment for the growth of benthic and planktonic marine life. Lecture: (3) hours.
Prerequisite: BIOL 101, BIOL 102. Offered: S.

MAS 425 - Independent Study (3)
Prerequisite: At least junior level with written consent from the appropriate instructor. Offered: S.

MAS 433 - Geological Oceanography (3)
The geology of ocean basin, including origin, bottom physiography, sediment distribution, and sedimentary processes. Lecture: (3) hours; Field Trips.
Prerequisite: GEOL 158L or MAS 111 and PHYS 181L; PHYS 182L. Offered: F.

MAS 440 - Hydrology of Coastal Water (3)
The discharge and current activity of coastal waters including estuaries, wetlands, and marine environment factors affecting water quality and ecological imbalance. Field oriented seminar course.
Prerequisite: CHEM 101L; CHEM 102L; MAS 331. Offered: F.

MAS 441 - Estuarine Environment (3)
Chemistry, microbiology, and pollution of estuaries, wetlands, and marine coastal waters. Lecture three (3) hours.
Prerequisite: CHEM 101L; CHEM 102L; MAS 331. Offered: F.

MAS 442 - Coastal Urbanization and Land Use Planning (3)
Review of the growth of the coastal urban areas, particularly North Carolina problems, practice, and policies of developing coastal urban area. Lecture three (3) hours.
Prerequisite: MAS 331 and GEOL 331 or MAS 330; Field Trips. Offered: S.

MAS 443 - Coastal and Marine Conservation (3)
Study of the resources found in coastal and marine waters; how human activities affect those resources; and the science and policies used to manage those resources. Lectures three hours.
Prerequisite: GEOL 158; GEOL 332 or MAS 331. Offered: F.

MAS 450 - Research in Marine Science I (1-3)
Directed research in marine science supervised by the faculty (written consent of instructor).
Offered: F; S; SS.

MAS 451 - Research in Marine Science II (1-3)
Directed research in marine science supervised by the faculty (written consent of instructor).
Offered: F; S; SS.

MATH - MATHEMATICS COURSE DESCRIPTIONS

MATH 114 - Math for Liberal Arts (3)
A survey course in mathematics for liberal arts students. Course covers an introduction to many topics including problem-solving, consumer mathematics, sets, algebra, geometry, probability, and statistics, voting methods and flaws of voting methods. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE.
Offered: F; S.

MATH 115 - College Algebra (3)
Fundamental algebraic ideas; equations and inequalities, functions and graphs, linear and quadratic functions, and polynomial and rational functions. Emphasizes calculator and computer use and modeling of problems.
Prerequisite: Mathematics Placement Test.
STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S; SS.

MATH 118 - Precalculus (3)
Exponential and logarithmic functions, trigonometric functions, analytic trigonometry, trigonometric applications, and sequences and series. Emphasizes calculator and computer use and modeling of problems.
Prerequisite: MATH 115 or Mathematics Placement Test.
STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S; SS.

MATH 119 - Number Systems and Algebra (3)
Designed for prospective elementary and middle school teachers. Emphasis on numeric and algebraic
concepts, with applications to teaching. Topics include: sets; number systems and operations and properties of number; equations and inequalities; functions and graphs; appropriate use of technology; historical/cultural perspectives.

Prerequisite: Department Chair's written consent. Offered: F; S.

MATH 122 - Geometry and Data Analysis (3)
A second course designed for prospective elementary and middle school teachers. Topics covered include: basic data analysis and statistics; measurement and problem in solving geometry; a study of geometric concepts and construction of geometric figures; logical arguments.

Prerequisite: MATH 121. Offered: F; S.

MATH 153 - Applied Calculus (DISCONTINUED) (3)
Limits, differentiation, indefinite, and definite integrals with applications in business, economics, management, and behavioral sciences. The emphasis will be on an intuitive understanding gained from a graphical approach as opposed to a rigorous mathematical treatment.

Prerequisite: C or better in GE 118. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S; SS. DISCONTINUED.

MATH 165 - Calculus of Single Variable I (4)
Limits and their properties, differentiation, indeterminate forms, definite integrals, fundamental theorem of calculus, applications of derivatives and integrals and use of computational tool.

Prerequisite: C or better in MATH 118. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S.

MATH 262 - Discrete Methods (3)
Sequences, summations, algorithm design and analysis including computational complexity, counting techniques, mathematical induction and recursion, recurrence relations/functions and recursive algorithms, combinatorics, graphs, trees, and applications.

Prerequisite: MATH 118 Precalculus and CSC 115 Introduction to Computer Science. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: S.

MATH 265 - Calculus of Single Variable II (4)
Techniques and applications of integration, Improper integrals, conic sections, parametric equations and polar coordinates, sequences, series, power series, Taylor's Theorem, and use of computational tools.

Prerequisite: MATH 165 or 3 and above score in AP Calculus AB exam. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S.

MATH 267 - Calculus of Several Variables III (4)
Vector algebra, and vector functions. Functions of several variables, partial derivatives, gradients, directional derivatives, maxima, and minima. Multiple integration. Line and surface integrals, Green's Theorem, Divergence Theorems, Stokes' Theorem , and application and use of computational tools.

Prerequisite: MATH 265 or 3 and above score in AP Calculus BC exam. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S.

MATH 275 - Foundations of Mathematics (3)
Development of theoretical tools for rigorous mathematics; Topics include: proof techniques, sets, logic, functions, relations, countable and uncountable sets. Gives students an introduction to the major and to provide the basic knowledge, overview and foundation for the curriculum.

Prerequisite: MATH 165. Offered: F.

MATH 345 - History of Mathematics (3)
(formerly MATH 451) A survey of the historical development of mathematics. The emphasis will be on mathematical concepts, problem solving, and pedagogy from a historical perspective.

Prerequisite: MATH 165. Offered: S.

MATH 350 - Number Theory (3)
Integers, numbers in other bases, primes, greatest common divisors and Euclidean Algorithm, Diophantine Equations, congruences, applications of congruences, Wilson's, Fermat's, and Euler's theorems, multiplicative functions, and continued fractions.

Prerequisite: MATH 118. Offered: F.
MATH 351 - Linear Algebra (3)
Systems of linear equations and matrix theory, finite dimensional vector spaces, and linear transformations. Applications of linear algebra to social, biological, and physical sciences.
Prerequisite: MATH 165. Offered: F; S.

MATH 352 - College Geometry (3)
A survey of topics in advanced geometry from three historical perspectives: synthetic, analytic, and transformational. Topics include advanced results in Euclidean geometry, axiomatics of Euclidean geometry, axioms and results in non-Euclidean geometry, an introduction to projective geometry, the use of coordinates, and insights gained from transformations. Use of Geometric Sketchpad software.
Prerequisite: MATH 118. Offered: F.

MATH 354 - Abstract Algebra I (3)
Binary operations, equivalence relations, groups, cyclic and symmetric groups, subgroups, Lagrange's theorem, homomorphisms and normal subgroups, factor groups, isomorphism theorem, and direct products.
Prerequisite: MATH 275 and MATH 351. Offered: S.

MATH 358 - Differential Equations (3)
Prerequisite: MATH 267. Offered: S.

MATH 360 - Applied Cryptography & Data Security (3)
Elementary concepts in cryptography; classical cryptosystems; modern symmetric cryptography; public key cryptography; digital signatures, authentic schemes; modular arithmetic, primality testing.
Prerequisite: MATH 262 or MATH 275 or consent by instructor. Offered: S.

MATH 365 - Exit Seminar for Juniors (2)
This course is designed to review all junior-level mathematics courses.
Prerequisite: Junior standing or Consent of Department Chairperson. Offered: S.

MATH 366 - Complex Variables (3)
Analytic functions, elementary functions, integrals, power series, residues, and conformal mapping.
Prerequisite: MATH 267. Offered: F.

MATH 400 - Operations Research Techniques (3)
Linear and non-linear programming, decision-making under uncertainty, some models for networks, inventory management, and waiting lines.
Prerequisite: MATH 351 and STAT 251/STAT 351. Offered: S.

MATH 410 - Linear Optimization (3)
This course develops the techniques used in linear programming such as the simplex method and the duality method. Linear programming techniques will be applied for solving real-world-decision optimization problems.
Prerequisite: MATH 351. Offered: F.

MATH 452 - Internship (3)
Students engage in supervised mathematics-related experience with academia, industry or government. Evaluation to be based on written reports by instructor.
Prerequisite: Internship offer, Junior standing, and consent of chairperson. Offered: SS.

MATH 454 - Abstract Algebra II (3)
Fundamental Theorem of Finite Abelian Groups, Sylow theorem and its application, introduction to rings and fields, ideals, factorization, extension of fields, automorphisms, and Galois theory.
Prerequisite: MATH 354. Offered: S.

MATH 455 - Elements of Real Analysis (3)
Rigorous development of the real number system and the theory of Calculus on the real number line. Topics include: sequences and series, limits and continuity, the derivative, and the Riemann Integral.
Prerequisite: MATH 267 and MATH 275. Offered: S.
MATH 456 - Contemporary Issues in Math Education (3)
Lectures and discussion on various issues in mathematics education, surveying trends, and developments with emphasis on content, meaning, methods, current status, and implications for the profession.
Prerequisite: Consent of Department Chair. Offered: Upon Request.

MATH 459 - Special Studies/Seminars in Mathematics (1-3)
Independent or small-group study in selected areas of mathematics, culminating in approved project or research paper. (This also may be used for organizing workshops or academic-year institutes for mathematics teachers of high schools and junior high schools.) These courses may be repeated.
Prerequisite: Consent of Department Chairperson. Offered: Upon Request.

MATH 462 - Mathematical Modeling (3)
Basic techniques for model formulation and model analysis in physical phenomena, engineering applications as well as biological systems will be considered. The main focus is on modeling dynamical systems using differential equalities and a system of differential equations.
Prerequisite: MATH 358. Offered: F.

MATH 466 - Exit Seminar in Mathematics (2)
The first component of the capstone course for mathematics majors. This course will provide the student the opportunity to demonstrate their accumulated knowledge, skills, and growth in the major. Review of upper level mathematics topics culminating in an exit test.
Prerequisite: Senior standing. Offered: F.

MATH 467 - Senior Capstone (3)
The Capstone course for Mathematics majors. Designed to give students the opportunity to demonstrate their accumulated knowledge, skills and growth in the major. Review of Computer Algebra Systems, written and oral report required.
Prerequisite: Senior Standing. Offered: S.

MCOM - MASS COMMUNICATIONS COURSE DESCRIPTIONS

MCOM 250 - Introduction to Broadcasting (3)
An introduction to modern electronic media including radio and television, cable, home video, the Internet, and new media. Examines the historical foundations of broadcast media formats. Other topics include how media are regulated, ratings and audience feedback, media effects, and the international media scene.
Prerequisite: ENGL 103. Offered: S.

MCOM 347 - Mass Communication Theory and Research (3)
Review of communication concepts and theories in communication research methodology. Introduction to theory construction, mass communication research, literature, and related research techniques.
Prerequisite: ENGL 317, MCOM 250. Offered: F.

MCOM 353 - Radio Production (3)
Exposure to every facet of radio production. This course familiarizes students with the care and upkeep of production equipment and the proper way to use each piece of equipment in the studio. Students will be given various production assignments, beginning with simple tasks and progressing to intermediate and advanced assignments.
Prerequisite: MCOM 250. Offered: S.

MCOM 354 - Advanced Radio Production (3)
Exposes students to a more technical level of radio production. This course begins where Radio Production 353 concluded. By mid-semester students will be able to perform all production tasks, including sound effects, hominizer techniques, and fully computerized production.
Prerequisite: MCOM 353. Offered: F.

MCOM 355 - Television Production (3)
An introduction to the fundamentals of operating audio and video equipment in the studio. The course provides a basic understanding of the terms used and the crew position responsibilities in a studio setting. Operational skills are developed through several structured laboratory exercises.
Prerequisite: MCOM 250. Offered: F.
MCOM 356 - Advanced Television Production (3)
Allows students to work individually and gain more in-depth knowledge of all phases of television production. Students learn the advanced features and functions of audio and video equipment, focusing on post-production activities that emphasize editing and graphics.
Prerequisite: MCOM 355. Offered: S.

MCOM 357 - Public Relations (3)
Introduction to the theories and practices of public relations, advertising and writing for public relations and advertising.
Prerequisite: JOUR 351. Offered: F; S.

MCOM 400 - Print & Broadcast Management (3)
Provides detailed descriptions of job positions in the print and broadcast industry. Students tour print and broadcast facilities to learn about print and broadcast managers and how they do their jobs. Role-playing activities will demonstrate how managers handle particular situations.
Prerequisite: MCOM 350; MCOM 354; MCOM 356. Offered: F.

MCOM 450 - Media Law and Ethics (3)
Introduces First Amendment doctrines and issues that impact freedom of expression. While international standards and variations are also covered, the course focuses on applications of the law with respect to the challenges and responsibilities of the working journalist in the U.S.
Prerequisite: JOUR 349, MCOM 250; MCOM 347. Offered: F.

MCOM 479 - Special Topics and Studies in Mass Communications (3)
Advanced study and analysis in Mass Communication, including problems and case studies. This course features different topics and may be repeated for credit.
Prerequisite: JOUR 349; MCOM 250; MCOM 347; or instructor's written consent. Offered: F; S.

MCOM 498 - Internship (3-6)
Supervised field experience in mass communication: television and radio broadcasting.
Prerequisite: Instructor's written consent. Offered: F, S.

MCOM 499 - Broadcast Seminar (3)
Advanced study and analysis of broadcasting, including problems and situations involving management of a broadcast enterprise. Topics include legal and ethical questions, personnel matters, government regulations, programming, and sales.
Prerequisite: Graduating senior. Offered: F, S.

MIS - MILITARY SCIENCE COURSE DESCRIPTIONS

MIS 101 - Basic Military Science I (2)
Study of the mission of the Reserve Officers' Training Corps and an orientation to the organization and roles of the U.S. Army and the customs and traditions of the service, leadership, and basic first aid. One and one-half hours of Leadership Laboratory per week.
Offered: F, S.

MIS 102 - Basic Military Science II (2)
Study of basic map reading, military correspondence, preventive medicine, and first aid. One and one-half hours of Leadership Laboratory per week.
Offered: F.

MIS 201 - Applied Leadership and Management I (2)
Study of Army leadership doctrine, oral and written communication, basic military skills, and practical application to develop leadership and management techniques. Emphasizes self-discipline, knowledge of military subjects, and development of military skills. One and one-half hours of Leadership Laboratory per week.
Offered: S.

MIS 202 - Applied Leadership and Management II (2)
Study of Army leadership doctrine, oral and written communication, basic military skills, and practical application to develop leadership skills. Emphasizes self-discipline and application of military knowledge during realistic practical exercises. One and one-half hours of Leadership Laboratory per week.
Offered: F.

MIS 236 - Leader's Training Course (4)
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 submitted to the Department of Military Science.

Offered: SS.

MIS 301 - Leadership and Management I (3)

Instruction in and application of military leadership, physical training, military training, and land navigation. One and one-half hours of Leadership Laboratory per week.

Prerequisite: Basic Course or equivalent credit. Offered: F.

MIS 302 - Leadership and Management II (3)

Study of small-unit tactics, oral and written communication, advanced military skills, and practical application to develop leadership skills. Emphasizes teamwork, self-discipline, confidence, and application of leadership skills during realistic practical exercises. One and one-half hours of Leadership Laboratory per week.

Prerequisite: Basic Course or equivalent credit. Offered: S.

MIS 303 - U.S. Military History (3)

Survey of American military history from 1759 to present. Study of the American attitude toward war, the European influence, civil-military relationships and the impact of technology on operations and tactics. May be taken by non-cadets for elective course credit without military obligations.

Offered: F, S.

MIS 401 - Advanced Leadership and Management I (3)

Study of training management, Army officer professionalism and ethics, and the conduct of unit meetings and conferences to develop leadership and management techniques. Emphasizes the importance of prior preparation and self-confidence during realistic practical exercises. One and one-half hours of Leadership Laboratory per week.

Prerequisite: MIS 301, MIS 302. Offered: F.

MIS 402 - Advanced Leadership and Management II (3)

Leadership and management in the contemporary military environment, including oral communications, the administration of Military Justice, the rules of war, and an orientation to U.S. Army personnel support activities. Improves the student's ability to prepare effective staff studies, battle analysis, and briefings. Learn military commanders, strategies, and tactics. Leadership Laboratory periods continue to develop the practical experiences begun in earlier courses.

Prerequisite: MIS 301, MIS 302, MIS 401. Offered: S.

MNGT - MANAGEMENT COURSE DESCRIPTIONS

MNGT 221 - Principles of Management (3)

Study of management principles that apply to all types of business, government, and nonprofit organizations with special emphasis on planning, organizing, leading, controlling, and working in teams.

Prerequisite: BUAD 115 with a C or higher. Offered: F, S, SS.

MNGT 321 - Human Resource Management (3)

Introduction to fundamental theory and practices relating to interviewing, hiring, training, scheduling, placing, supervising, compensating, evaluating, promoting, and dismissing personnel.

Prerequisite: MNGT 221 with a C or higher. Offered: F, S, SS.

MNGT 322 - Organizational Behavior (3)

Emphasis on development of the understanding and knowledge of organizational settings. Instruction directed toward organizational behavior as a necessary ingredient of managerial effectiveness and understanding major theoretical and methodological approaches to studying behavior in organizations.

Prerequisite: MNGT 221 with a C or higher. Offered: F, S.

MNGT 345 - Leadership and Teamwork (3)

Provides an understanding of the theory and practice of leadership in organizations, as well as the theory and practice of teamwork. Provides opportunities to expand leadership skills and learn more about working in and leading teams.

Prerequisite: MNGT 221, and MNGT 322, each with a C or higher. Offered: F, then S.

MNGT 398 - Special Topics in Management (3)

Topics of special interest to business students may be offered, or in response to a request by a group of
students for a specific course not otherwise available. The students conduct study of these topics as business electives.

Prerequisite: Junior or Senior standing and permission of the instructor and department chair. Offered: F, S, SS.

MNGT 421 - Operations Management (3)
Principles and techniques underlying production and operations management. Topics include inventory/materials control, quality control, production methods and control, facilities, and supply chain management. These topics will be integrated using a systems approach to organizations' operations.

Prerequisite: ECON 260 or MATH 165 with a C or higher. Offered: F, S, SS.

MNGT 425 - Organization Theory (3)
An examination of contemporary organizations from a theoretical perspective. Topics include but are not limited to organizational structure and design, organizational lifecycle, culture, ethics and social responsibility, strategy, technology, innovation and change, conflict, power and politics and their impacts on organizational efficiency and effectiveness.

Prerequisite: MNGT 221 with a C or higher. Offered: S.

MRKT - MARKETING COURSE DESCRIPTIONS

MRKT 231 - Principles of Marketing (3)
Survey of marketing organization and methods in the socio-economic system with discussion on pricing, promotion, production, distribution of goods and services, consumer problems, institutions, and methods and policies.

Prerequisite: BUAD 115 with a C or higher. Offered: F, S, SS.

MRKT 331 - Advertising and Promotion (3)
Studies promotions as persuasive communication. Examines promotion management and its relationship to the overall marketing program. Primary emphasis on advertising, sales promotion, personal selling, consumer and market information, message appeals, media selection and scheduling, and measuring effectiveness.

Prerequisite: MRKT 231 with a C or higher. Offered: F.

MRKT 332 - Consumer Behavior (3)
Analysis of the social, cultural, and psychological factors influencing the behaviors of consumers. Special emphasis on behavioral patterns, market segmentation research, attitude formation and change, brand loyalty, adoption of innovations, and store choice decisions.

Prerequisite: MRKT 231 with a C or higher. Offered: F; S.

MRKT 333 - Sales (3)
Covers the role and activities of the sales manager in modern marketing. Nature and importance of the selling function in organization, effective sales techniques, and managerial tasks of designing, developing, directing, and compensating sales force. Management activities include recruiting, testing, selection, training, motivation, compensation, and evaluation for effectiveness.

Prerequisite: MRKT 231 with a C or higher. Offered: F.

MRKT 365 - Marketing Research (3)
Students gain hands-on experience in the understanding and use of appropriate tools and techniques for analyzing, interpreting, and presenting information derived from marketing databases. Includes problem definition and solution approach to marketing research decisions.

Prerequisite: ECON 260 with a C or higher. Offered: F.

MRKT 398 - Special Topics in Marketing (3)
Topics of special interest to business students may be offered, or a request by a group of students for a specific course not otherwise available. The students conduct study of these topics as business electives.

Prerequisite: Business Administration major, junior or senior standing and the department chair's written consent. Offered: F, S, SS.

MRKT 431 - Retailing (3)
Analysis of factors underlying successful operation of retail store including location and design, stock arrangement, buying and selling, advertising and display, merchandise planning and control, retail market and financial analysis, personnel
management, customer relations, and non-store and service retailing.

Prerequisite: MRKT 231 with a C or higher. Offered: S.

**MRKT 432 - Marketing Management (3)**

Studies the marketing function and its relationship to the total business organization and its environment. Emphasis is placed on the design of marketing strategies and systems. This is a case method course with readings from trade and academic journals to enhance understanding. Students learn application of the tools of analysis and critical thinking to the strategic challenges marketers face.

Prerequisite: MNGT 221, MRKT 231, MRKT 332, and either MRKT 331, or MRKT 431, each with a C or higher. Offered: S.

**MUSA - MUSIC, APPLIED COURSE DESCRIPTIONS**

010-090

**MUSA 011-094 - Applied Music for Non-Music Majors (1)**

Private instruction for the following instruments: piano, voice, winds, percussion and strings covering stylistic interpretation, performance health, sight-reading and improvisational techniques. One-hour credit will be given based on one 25-minute lesson and four hours practice per week.

- Piano MUSA 011
- Voice MUSA 025
- Flute MUSA 039
- Oboe MUSA 043
- Clarinet MUSA 048
- Bassoon MUSA 054
- Saxophone MUSA 058
- Trumpet MUSA 062
- French Horn MUSA 090
- Trombone MUSA 070
- Cello MUSA 076
- Baritone Horn MUSA 066
- Tuba MUSA 094
- Percussion MUSA 033
- Double Bass MUSA 077
- Violin MUSA 074
- Guitar MUSA 088
- Viola MUSA 075

Prerequisite: Non-music majors only; by audition and by permission of Department Chair. Offered: F, S.

**MUSA 311-394 - Applied Music (1 or 2)**

Private instruction for the following instruments: piano, voice, winds, percussion and strings covering stylistic interpretation, performance health, sight-reading and improvisational techniques. Students in one-credit sections receive a 25-minute lesson, with the exception of Music Education majors, who receive a 50-minute lesson. All students in two-credit sections receive a 50-minute lesson. Music faculty members adjudicate all Final Examinations.

- Piano MUSA 311
- Voice MUSA 325
- Flute MUSA 339
- Oboe MUSA 343
- Clarinet MUSA 348
- Bassoon MUSA 354
- Alto Saxophone MUSA 358
- Trumpet MUSA 362
- French Horn MUSA 390
- Trombone MUSA 370
- Baritone Horn MUSA 366
- Tuba MUSA 394
- Percussion MUSA 333
- Violin MUSA 374
- Viola MUSA 375
- Cello MUSA 376
- Double Bass MUSA 377
- Guitar MUSA 388

Prerequisite: Music majors only; by audition and the instructor’s written consent. Offered: F; S.

**MUSA MUSA 311T-394T - Applied Music for Music Education Licensure Students (1)**

Private Instruction for students in the Music Education Licensure Concentration on the following instruments: piano, voice, winds, percussion and strings, covering stylistic interpretation, performance health, sight-reading and improvisational techniques. This course will also focus on additional performance skills needed by prospective teachers. One-hour credit will be given based on one 50-minute lesson and four hours practice each week.
Offered: F or S.

MUSA 365 - Applied Composition (2)

Private instruction for composition covering writing for solo instruments, voice, chamber ensembles, and/or large ensembles. Emphasis on aesthetic choices, melodic forms and organization of musical ideas. Performance of composition projects is integral. Two credit hours = 50 minute lesson.

Prerequisite: By audition only and permission of instructor. Offered: F; S.

MUS - MUSIC COURSE DESCRIPTIONS

MUS 101 - Student Recitals (0)

Departmental student recitals give students an opportunity to perform for one another and the faculty. Performance Health and Recital Etiquette will be discussed. All students must perform at least once in a recital per semester. Students must successfully pass six semesters of Recital Attendance in order to graduate.

Offered: F; S.

MUS 135H - Introduction to Music Literature Honors (2)

A study of music in Western and non-Western cultures through selected masterpieces. Emphasizes perceptive listening by providing an introduction to the elements of music, a brief survey of historical periods in music, major composers, and the major genres from each period. Designed especially for Honors Program students, offering opportunities for enrichment through independent study, research, analytical thinking, oral reporting, and other special activities. No previous musical knowledge assumed. Emphasizes listening.

Prerequisite: Admission to the University Honors Program or written consent from the Honors Program Director. Offered: S.

MUS 103 - Aural Skills I (1)

Develops ability in sight singing and music dictation, including recognition of intervals and rhythmic, melodic dictation. The course is taken concurrently with MUS 108: Music Theory I.

Prerequisite: Music Theory Placement Exam. Offered: F; S.

MUS 104 - Aural Skills II (1)

A continuation of MUS 103, the course develops aural and visual techniques through ear training, dictation, and sight singing. The course is taken concurrently with MUS 109: Music Theory II.

Prerequisite: MUS 103. Offered: S.

MUS 108 - Music Theory I: Introduction to Functional Harmony (2)

A brief review of the elements of music (notation, meter, and major and minor key signatures) leads to an introduction of the function of primary chords in a tonal context. Skills include analysis and composition of homophonic music using tonic, dominant, and subdominant harmony. The course is taken concurrently with MUS 103: Aural Skills I.

Prerequisite: Music Theory Placement Exam. Offered: F; S.

MUS 109 - Music Theory II: Diatonic Harmony (2)

A study of two-voice counterpoint using a modified species technique develops an understanding of voice leading during the common practice period. The second half of the course completes a survey of diatonic, functional harmony including triads built on all scale degrees and the dominant seventh chord. Skills include analysis and composition of music using all course materials. The course is taken concurrently with MUS 104: Aural Skills II.

Prerequisite: MUS 108. Offered: S.

MUS 110 - Piano Class for Beginners I (1)

Group instruction in beginning piano for music majors whose principal performing medium is voice, or an orchestral or band instrument. Sight-reading and improvisation are included. This course is open to all majors.

Offered: F; S.

MUS 111 - Piano Class for Beginners II (1)

Group instruction in Class Piano II is for music majors whose principal performing medium is voice, or an orchestral or band instrument. Sight-reading and improvisation are included. Continuation of the skills introduced in MUS 110.

Offered: F; S.
MUS 112 - Piano Class for Beginners III (1)

Group instruction in Piano Class III is for music majors whose principal performing medium is voice, or an orchestral or band instrument. Sight-reading and improvisation are included. Continuation of the skills introduced in MUS 111.

Prerequisite: MUS 111 or consent of instructor.
Offered: F.

MUS 113 - Piano Class for Beginners IV (1)

Group instruction in Piano Class III is for music majors whose principal performing medium is voice, or an orchestral or band instrument. Sight-reading and improvisation are included. The final exam in the course is the keyboard proficiency exam for non-piano majors in the Music Education Licensure Program.

Prerequisite: MUS 112 or instructor's written consent.
Offered: S.

MUS 115 - Emerging Media in Audio (2)

Technology and MIDI applications including sequencing are introduced; topics include the MIDI language, early synthesizers and the fundamentals of sound synthesis, oscillators, envelope generators, digital synthesizers, and drum machines. Hands-on experiences take place in the music theory lab.

Offered: F.

MUS 116 - Introduction to Music Industry Studies (3)

Examines the overall function and structure of the music industry. Topics include the business of music, creative rights, publishing, music licensing, music law, arts management, concert promotion, record companies, and marketing. Corresponding activities may include advertising, jingle production, and film music as it pertains to the music industry. Open to all majors.

Offered: F.

MUS 118 - Music Theory Rudiments I (1)

An introduction to the fundamental materials of music theory, including an introduction to music notation, including pitch identification in various clefs, major and minor key signatures, as well as melodic intervals, triads, and meter.

Offered: F; S.

MUS 120 - Introduction to Music Education (1)

An orientation to the field of music education. It is a prerequisite to EDUC 428 and EDUC 429. This course explores the history of music education, careers in music education, and philosophical trends in the field. Students examine the roles of a music teacher; the role and importance of music in society; music advocacy; professionalism of the music educator; music curricula; basic music learning processes; and preparation for Praxis I. Students are expected to demonstrate critical thinking as it relates to the evolution of their personal philosophies regarding music education.

Offered: F.

MUS 123 - Voice Class (1)

A one-semester course instructing singers with little or no formal training in the development of fundamental principles and techniques of singing. Emphasizes correct posture, consistent breath control, a free, yet ringing tone, and diction that is clear and articulate through the performance of selected literature.

Offered: S.

MUS 125 - Introduction to the Recording Studio (3)

Provides an insightful look into modern record production. Students are exposed to recording technology history and current careers. Classes are primarily lecture-oriented with some hands-on experience in the on-campus professional 24-track recording studio. No previous knowledge of audio recording is required.

Prerequisite: MUS 115. Offered: F or S.

MUS 126 - Voice Diction (1)

Required of all vocal majors in the music education licensure program and in the performance concentration. Discussion and practice focus on the fundamentals of correct pronunciation and enunciation for singing in English, Italian, German, and French, utilizing the International Phonetic Alphabet. In-class performance of selected literature is required.

Offered: F.

MUS 135 - Introduction to Music Literature (2)

Study of elements of music and brief historical survey of musical style periods with discussion of
major composers and types of compositions written in each. No previous musical knowledge assumed. Emphasizes listening.

Offered: F; S.

MUS 200 - University Marching Band (0 or 1)

This course develops instrumental pedagogy and performance skills of students within the marching band setting. This course will emphasize music and marching maneuvers with a difficulty level of 3 and above. This course is open to students in all majors. Seven contact hours.

Prerequisite: Successful audition before the university band staff. Offered: F.

MUS 205 - University Basketball Band (0 or 1)

The University Basketball Band fosters school spirit at basketball games and other athletic events. The Basketball Band is open to all interested instrumentalists at the university. Admission is by selection of the University Band Staff.

Offered: S.

MUS 201 - University Concert Band (0 or 1)

A continuation of MUS 200 during the spring semester with emphasis placed on the study of light standard band repertoire and the enhancement of students' musicianship.

Prerequisite: Successful audition before the university band staff. Offered: S (Offered on Demand).

MUS 202 - Arts Management (3)

A study of Arts Management, Presentations, and Research Techniques in preparation for the Senior Project. Topics include development, the professional management of arts organizations, foundations, arts education presentations, and research.

Prerequisite: MUS 116, MUS 208. Offered: S (Music Majors Only).

MUS 203 - Aural Skills III (1)

A continuation of MUS 104, adding chromatic lines, modulation and more complex rhythms. It is taken concurrently with MUS 208: Music Theory III.

Prerequisite: MUS 104. Offered: F.

MUS 204 - Aural Skills IV (1)

The course concludes the aural skills sequence, emphasizing more difficult rhythmic and melodic patterns and harmonic dictation.

Prerequisite: MUS 203. Offered: S.

MUS 208 - Music Theory III: Chromatic Harmony (2)

A study of part-writing using chromatically altered chords of the common practice period, the course examines substituitional harmony, borrowed chords, secondary dominants, augmented sixth chords, and modulation. Includes analysis and composition of music using the course materials. It is taken concurrently with MUS 203: Aural Skills III.

Prerequisite: MUS 109. Offered: F.

MUS 209 - Music Theory IV: Chromatic and Post-Tonal Music (2)

Encompasses analysis and composition of music using techniques first developed in the 20th century, including extended and non-functional tertia, exotic scales and modes, polytonality, quartal harmony and serialism, and an exploration of alternative systems of analysis.

Prerequisite: MUS 208. Offered: S.

MUS 210 - Brass Ensemble (0 or 1)

The study and performance of chamber music for combinations of brass instruments.

Offered: F; S.

MUS 211 - Jazz Theory (2)

Exploration of contemporary diatonic and chromatic chord progression and root motion found in current popular music styles. Focus is on Chord Symbols and Roman Numeral analysis, and principles of chord progressions and linear harmonic continuity. Substitute dominant chords, modulations, and blues progressions. Diminished chord patterns and appropriate substitutions are also examined.

Prerequisite: MUS 108, MUS 109, MUS 208. Offered: S (Offered on Demand).

MUS 212 - The African American in Music (2)

Emphasizes U.S. composers and performers, with a focus on the development and contributions of African American music from the 17th through 21st centuries. Covers the study of spirituals, folk music,
ragtime, blues, gospel, jazz, rhythm and blues, rock
and roll, and rap/Hip-Hop music.

Offered: F; S; SS (Open to All Majors).

MUS 220 - Woodwind Ensemble (0 or 1)
The study and performance of chamber music for
combinations of woodwind instruments.

Offered: F; S.

MUS 221 - String Chamber Ensemble (1)
A study and performance of string chamber ensemble
literature.

Prerequisite: Consent of the instructor. Offered: F; S
(Offered on Demand).

MUS 230 - Percussion Ensemble (0 or 1)
The study and performance of chamber music for
combinations of percussion instruments.

Offered: F; S.

MUS 233 - Afro-Latin-American Percussion (1)
This is a course designed to provide basic technical
knowledge and rhythmic understanding of the many
authentic popular and commercial performing
practices through the study of playing and style
techniques associated with the major Afro-Latin-
American instruments.

Offered: F; S.

MUS 231 - String Class (1)
Focus is on techniques used in teaching orchestral
stringed instruments, including playing and
pedagogical techniques appropriate for young
players, methods, materials, history, maintenance,
and repair.

Prerequisite: Instructor's written consent. Offered: F.

MUS 240 - Collegians (Jazz Ensemble) (0 or 1)
The Collegians Jazz Ensemble is the university's big
band musical ensemble dedicated to performing and
experiencing jazz. The repertoire includes standard
and contemporary jazz literature and provides
opportunities for students to learn to improvise.
Guitar music majors must take Collegians Jazz
Ensemble as part of the large ensemble requirement.
Performances occur on and off campus.

Prerequisite: By audition only and by permission of
instructor. Offered: F; S.

MUS 254 - Audio Engineering I (2)
Study of recording fundamentals, including the
acoustics of sound, microphone design and
placement, signal processing, audio console theory,
digital signal processing, and basic mixing
techniques. Students use the on-campus professional
recording studio and music theory lab for individual
projects and assignments.

Prerequisite: MUS 125. Offered: F.

MUS 255 - Audio Engineering II (2)
Critical listening and multi-track recording
techniques such as studio and console set-up,
tracking, overdubbing, and mixing will be developed.
Students use the on-campus professional recording
and music theory lab for individual projects and
assignments.

Prerequisite: MUS 254. Offered: S (Music Majors
Only or Permission from the Chair).

MUS 260 - Orchestra (0-1)
The ensemble studies and performs works
representative of a broad spectrum of string orchestra
and symphonic orchestra literature. Participation by
string majors is required.

Prerequisite: Audition only and by instructor's written
consent. Offered: F; S.

MUS 300 - University Choir (0 or 1)
A mixed ensemble designed to instill innovative
thinking and leadership through the study and
performances of diverse choral literature. The
ensemble promotes cooperative group effectiveness
and utilizes repertoire techniques aimed primarily at
performances on and off campus. Five contact hours.

Prerequisite: By audition only and by instructor's written
consent. Offered: F; S.

MUS 301 - Junior Recital (1)
The final performance requirement for the B.A. in
music; Education and Performance majors perform
recitals, Composition and Industry Studies students
present a creative project that emphasizes the
organization of musical ideas into logical
homogeneous forms.

Prerequisite: Senior status; Department Chair's
written consent and/or Applied Instructor. Offered: F;
S.
MUS 304 - History of Popular Music (2)
The study of commercial music is presented through the sentimental ballad and popular song as related to music industry development, and to the socio-musical influences of the commercial song from around 1900 to the present. This course will also include a specialty study of Jazz, Rhythm and Blues and their beginnings.
Offered: F; S.

MUS 305 - Music History I - Early through Classical (3)
A survey of developments in Western Art Music from its early beginning through 1825. Includes study of styles, forms, contributions of major composers, extensive in-class listening, and study of scores.
Prerequisite: MUS 108 or permission of Chair.
Offered: F.

MUS 306 - Music History II - Classical to Contemporary (3)
Traces the development of the major forms/genres from 1825 to present, through study of major European and American composers and representative pieces. An introduction to avant-garde techniques as well a variety of music representing various cultures.
Prerequisite: MUS 108 or Department Chair's written consent.
Offered: S.

MUS 307 - A Study of Non-Western Music (1)
An introduction to the music and characteristics of non-western music. Music in various cultures will be explored. This course is open to all majors.
Offered: F (Open to all Majors).

MUS 308 - Tonal Counterpoint (3)
An analysis of contrapuntal writings of the outstanding composers of the 18th century, especially J. S. Bach leads to the distillation of appropriate rules for contrapuntal writing. Involves the writing of counterpoint for two and three voices.
Prerequisite: MUS 208. Offered: F.

MUS 309 - Form and Analysis (3)
Presents methods to analyze the structure of various classical forms in music delineated by harmonic, contrapuntal and textural characteristics. Students write music using a predefined form as the central pre-compositional tool.
Prerequisite: MUS 208. Offered: S.

MUS 310 - Choral Ensemble (0 or 1)
This small ensemble is required of all vocal performance majors and is devoted to vocal performances on and off campus. This ensemble will focus on Patriotic, Broadway, Jazz and Gospel literature. Three contact hours.
Prerequisite: Open by audition. Offered: F; S.

MUS 312 - Orchestration (2)
Study of the art of writing for the orchestra and various instrumental ensembles. Focuses on the instruments, ranges, transpositions and clef notation, timbre, technical limitations, special effects, and the art of combining instrumental colors. Studies include instrumental arranging, score reading, and transcription.
Prerequisite: MUS 208. Offered: F or S.

MUS 315 - Popular Songwriting (2)
An evaluation of all aspects of songwriting: creating, composing, business aspects, lyric writing and song styles. Music industry perspectives are explored along with discussion on demo production and instrumentation of various musical styles.
Prerequisites: MUS 104, MUS 209 or equivalent; MUS 111 or equivalent.
Offered: On Demand.

MUS 319 - Music Merchandising & Marketing (3)
Covers the techniques and methods of salesmanship and marketing. Focuses on an in-depth examination of the principles of successful music manufacturing, marketing, planning, budgeting, retailing, promoting, and inventory selection.
Prerequisite: Junior status, MUS 202, MUS 209.
Offered: F (Music Majors Only).

MUS 321 - Music Multimedia Applications (2)
An introduction and overview of the creation of multimedia projects for digital presentations. Students will be introduced to sound design for radio, foley studios, automatic dialogue replacement (ADR), sound effects for video, spotting cues, video editing and DVD creation, and synchronization.
Prerequisite: MUS 115, MUS 125 or the instructor's written consent. Offered: S.
MUS 322 - Chamber Music Literature for Strings (1)
An historical study of chamber music literature for strings alone, strings with keyboard, and strings with other instruments from Baroque through the contemporary.
Prerequisite: Instructor's written consent. Offered: F; S.

MUS 331 - Music Business Seminar (3)
An advanced practicum that examines principles and practices of the music business. Topics include copyright, publishing, licensing, royalties, artist management, venue management, concert promotion, production and practices associated with the arts, including board development, fund raising, and grant writing.
Prerequisite: MUS 116. Offered: F (Music Majors Only).

MUS 336 - Instrumental Techniques and Conducting (1)
Addresses methods of directing ensemble management, pedagogical practices and selection of literature and materials. Conducting experiences are provided.
Prerequisite: MUS 208. Offered: F.

MUS 337 - Choral Techniques and Conducting (1)
A cappella and accompanied literature for youth and adult choirs are examined. Conducting, styles and interpretation, development of tone, vocal problems, rehearsal procedures, and program building are discussed. Practical experiences are provided.
Prerequisite: MUS 208. Offered: F.

MUS 345 - Brass Class (1)
Focuses on brass pedagogy for young players. Topics may include performance, methods, materials, history, maintenance, and repair.
Prerequisite: Instructor's written consent. Offered: S (Music Majors Only).

MUS 346 - Woodwind Class (1)
This course examines the technique of teaching woodwind instruments, including playing and pedagogical techniques appropriated for young players, methods, materials, history, maintenance and repair.
Offered: F (Music Majors Only).

MUS 347 - Percussion Class (1)
The techniques of teaching percussion instruments, including playing and pedagogical techniques appropriate for young players, methods, materials, history, maintenance, and repair.
Offered: F (Music Majors Only).

MUS 357 - String Pedagogy (1)
A study of current and historical pedagogy concepts, materials, and techniques for teaching beginning through advanced string students in a private studio setting.
Prerequisite: Department Chair's written consent. Offered: F; S (Music Majors Only; Offered on Demand).

MUS 360 - Digital Audio Technology (2)
The principle of digital audio and its application in the current recording industry is discussed including digital audio fundamentals, recording and reproduction systems, and digital media encompassing compact disc, optical disk, mastering software and digital interfaces.
Prerequisite: MUS 125 and MUS 254. Offered: F (Music Majors Only).

MUS 400 - Senior Recital/Project (1)
This is the final performance/project requirement for the B.A. in Music. Education and Performance majors perform on recitals, and Composition and Industry Studies students present a creative project that emphasizes the organization of musical ideas into logical homogeneous forms. General (Liberal Arts) music students may perform on a recital or present a project.
Prerequisite: Senior status; Department Chair and/or Applied Instructor's written consent. Offered: F; S.

MUS 401 - University Symphonic Wind Ensemble (0 or 1)
The University Symphonic Wind Ensemble is a select ensemble of musicians, dedicated to a rigorous curriculum, excellent performances and diverse repertoire encompassing a wide variety of styles and composers. Membership is determined by audition and is open to all majors. Six contact hours.
Offered: F; S.
MUS 417 - Music Industry Internship (3)
A six-week internship in the music industry studies field.
Prerequisite: Senior status, the Music Industry Studies Instructor and the Department Chair's written consent. Offered: F; S; SS (Music Majors Only).

MUS 428 - Piano Literature (1)
Composers, forms and styles of literature for piano and its ancestors from 17th century to present are studied. Audiovisual experiences are provided.
Prerequisite: MUS 306 or Department Chair's written consent. Offered: (Offered on Demand).

MUS 429 - Piano Accompanying (1)
Techniques in the art of piano accompanying. Practical experiences in sight-reading and transposition along with accompanying soloists and various combinations of voices are examined. May be repeated for credit.

MUS 430 - Piano Pedagogy (1)
Emphasizes piano teaching problems and methods and materials used in teaching the instrument. Practical experiences in giving piano instruction to pupils at various levels of advancement are included.

MUS 435 - Special Topics in Music Education (1-2)
This course focuses on one or more chosen music topics in Music Education.
Prerequisite: Junior or Senior status; consent of Department Chair. Offered: F; S; SS.

MUS 436 - Special Topics in Music Business (1-2)
This course focuses on one or more chosen music topics in Music Business.
Prerequisite: Junior or Senior status; Department Chair's written consent. Offered: F; S; SS.

MUS 437 - Special Topics in Sound Recording Technology (1-2)
This course focuses on one or more chosen music topics in Sound Recording Technology.
Prerequisite: Junior or Senior status; Department Chair's written consent. Offered: F; S; SS.

MUS 438 - Special Topics in Music with Emphasis in Performance (1-2)
This course focuses on one or more chosen music topics in either Performance.
Prerequisite: Junior or Senior status; Department Chair's written consent. Offered: F; S; SS.

MUS 439 - Special Topics in Music with Emphasis in Composition (1-2)
This course focuses on one or more chosen music topics in Composition.
Prerequisite: Junior or Senior status; consent of Department Chair. Offered: F; S; SS.

MUS 440 - Independent Study (1-3)
Individual study or research under the guidance of a music faculty member is required. The Department Chair must approve the study plan.
Prerequisite: Senior Status. Offered: F; S; SS (Music Majors Only).

MUS 454 - Studio Production Seminar (2)
An advanced studio practicum integrating student-recording projects with discussion on advanced audio production techniques, audio and video production, and critical reviews of recordings from the 1940s to present day. Students plan, organize, budget, produce, and engineer a recording project. Emphasizes meeting current industry standards in artistic and technical proficiency. A studio project is required.
Prerequisite: MUS 254. Offered: F (Music Majors Only).

Ensemble
MUS Ensemble - (Small or Large) (1)
Participation in all musical ensembles is by audition only. Ensembles may be repeated for credit.

PESM - SPORT MANAGEMENT COURSE DESCRIPTIONS

PESM 110 - Introduction to Sport Management (3)
Introduces the sports industry, different kinds of opportunities involving sports, and the economic impact of sports in the world and America in particular.
Prerequisite: None.

PESM 211 - Introduction to Sport Psychology (3)
Studies the psychological factors which impact behavior in management skills. Includes an analysis
of learning process, motivation, adjustments, perception, memory, cognition, and behavior.

Prerequisite: PESM 110, with a grade of C or higher.

**PESM 210 - Introduction to Sport Sociology (3)**

Introduces the concept of sport sociology. Considers the culture of sports, sport and socialization, sport and politics, religion and sport, sport education, and social change.

Prerequisite: PESM 110, with a grade of C or higher.

**PESM 300 - Sport Finance (3)**

Provides an introduction to financial strategies related to sport entities and organizations.

Prerequisite: PESM 110 and ACCT 210, with a grade of C or higher.

**PESM 310 - Sport Management Practicum (3)**

Provides majors with hands-on experience in an area of sport management. Selected off-campus experiences in physical education, leisure activities, and sport programs that will enable students to become more actively involved with field-based professionals.

Prerequisite: PESM 110, MNGT 221 and MRKT 231, with a grade of C or higher.

**PESM 311 - Sport Marketing and Promotion (3)**

Examines competitive market strategies as they apply to the sport industry. Emphasizes the relationship between sport products and sport markets.

Prerequisite: PESM 110 and MNGT 221, with a grade of C or higher.

**PESM 312 - Legal Issues of Sport/Rec (3)**

Introduces the legal structures, major laws, regulations, and precedents in law in amateur athletics, professional sports, and recreational sport programs.

Prerequisite: PESM 110.

**PESM 313 - Governance in Sport (3)**

Topics and issues involve the organizational theory, behavior, and structure of various sport organizations. Examines the evolution of power and political activity engulfing sport organizations. Concepts on leadership and management related to the sport industry are presented.

Prerequisite: PESM 110.

**PESM 410 - Organization and Management (3)**

Provides majors with comprehensive and contemporary information as it applies to managing sport organization. Emphasizes human resource management, supervision, program development, and office management.

Prerequisite: PESM 110 and MNGT 221, with a grade of C or higher.

**PESM 413 - Facilities Management (3)**

Presents the guidelines for designing, constructing, maintaining, scheduling, and managing an athletic facility. Emphasizes the factors involved in obtaining, running, and managing athletic events.

Prerequisite: PESM 110 and MNGT 221, with a grade of C or higher.

**PESM 415 - Sport Sponsorship (3)**

Provides a detailed examination of the relationship between sport and corporate sponsorship.

Prerequisite: Junior standing.

**PESM 416 - Sport Management Internship (8)**

Supervised field placement in an approved sport-related agency. Interns work under the direction of an assigned site supervisor in their respective area of emphasis.

Prerequisite: Senior standing and completion of all other major requirements.

**PHIL - PHILOSOPHY COURSE DESCRIPTIONS**

**PHIL 250 - Introduction to Philosophy (3)**

Introductory study of core topics of philosophical concerns, human knowledge, the world, God, human freedom, morals, and politics to develop philosophic interests and skills in analysis of concepts basic to value decisions in education, art, religion, and life.

Prerequisite: No prerequisite. Offered: F, SS.

**PHIL 251 - Social and Political Philosophy (3)**

Contemporary and traditional problems concerned with moral evaluation of political power; individual rights, social responsibility, legal and civil authority, civil disobedience, war, and peace.

Prerequisite: No prerequisite. Offered: S.
PHIL 252 - Critical Thinking and Logic (3)
Introduction to the principles of critical reasoning and argumentative skills. Emphasizes evaluation of arguments, identification of logical fallacies, deductive inference, and elementary symbolic logic. These skills help students prepare for post-graduate standardized tests, such as GRE, LSAT, GMAT, and MCAT.
Prerequisite: No Prerequisite. Offered: F.

PHSC - PHARMACEUTICAL SCIENCE COURSE DESCRIPTIONS

PHSC 201 - Foundations of Pharmaceutical Sciences (3)
The course will give students overview of the major and basic knowledge and foundation for the curriculum. Students will be exposed to the principles, methods and strategies employed in solving mathematical problems in pharmacy and pharmaceutical sciences. Students will explore different career options in pharmaceutical sciences and pharmacy.
Prerequisite: BIOL 101 with a minimum grade of 'C' and CHEM 101/L with a minimum grade of a 'C'. Offered: F, S.

PHSC 320/L - Pharmaceutical Analysis/L (4)
This course focuses on the characterization of drug and drug products commonly encountered in the pharmaceutical laboratories using analytical techniques. The laboratory component provides relevant hands-on experience in drug analysis and competency in various analytical skills and intended to strengthen understanding of concepts discussed in lectures.
Prerequisite: CHEM 302/L with a minimum grade of 'C' and PHSC 201 with minimum grade of 'C'. Offered: F, S.

PHSC 321 - Pharmaceutical Analysis II/Lab (4)
Focuses on the characterization of drug and drug products commonly encountered in the pharmaceutical laboratories using advanced analytical techniques. The laboratory experiments provide students with hands-on experience in drug analysis and competency in various analytical skills.
Prerequisite: PHSC 320/L. Offered: S.

PHSC 401 - Drug Regulatory Affairs (2)
Provides a general introductory overview of the key role that Regulatory Affairs plays in a pharmaceutical company's launching of new drugs in the market. The laws, regulations, policies and procedures, and the FDA's Standard operating procedures (SOP's) that the FDA issues to drug companies to better understand FDA's expectations.
Prerequisite: Junior/Senior Classification and instructor's approval. Offered: F, S.

PHSC 402 - Basis Pharmaceutics with Lab (4)
Introduces the student to the principles and technologies that are applied in the preparation of pharmaceutical dosage forms and drug delivery systems. It covers the design, preparation, properties, stability, and evaluation of solutions, semisolids dispersions, and solid dosage forms. It also covers the characteristics and use of excipients. Three hours of lecture. Three hours of lab per week.
Prerequisite: PHSC 320/L. Offered: F, S.

PHSC 403 - Pharmaceutical Biochemistry I (3)
Focuses on the basic principles of protein structure and function, and an introduction to molecular mechanisms of drug action. Review of key concepts in general and organic chemistry, properties of drugs, amino acid, protein structure, enzyme function (catalysis), carbohydrates and their metabolism, electron transport and some regulatory mechanisms will be discussed.
Prerequisite: CHEM 301 with a minimum grade of a 'C'.

PHSC 404 - Pharmaceutical Biochemistry II (3)
Focuses on the structure and function of biological membranes, metabolism of lipids, amino acids, nucleic acids, and some regulatory mechanisms. Selected human disease states, their biochemical origins, and pharmaceutical treatment are also discussed in relation to all of the above, when applicable.
Prerequisite: PHSC 403.

PHSC 410 - Clinical Trials Management & Research Methods (3)
Introduces students to the three phases of clinical trials involved in drug development; development of research questions, basic elements of experiments and researches involving human subjects, government
and institution mandated protocols, clinical trials methodology and practical and theoretical overview of the principles of managing and monitoring clinical trials.

Prerequisite: BIOL 101 with a minimum grade of 'C', CHEM 101 with a minimum grade of 'C' and instructor's approval. Offered: F; S. Offered: F; S.

PHSC 420 - Biopharmaceutics/Pharmacokinetics (3)
Introduces students to the following: routes of drug administration, absorption, distribution, metabolism, and excretion (ADME) and the concepts of bioequivalence, bioavailability, half-life, and drug product testing. Quantitation of factors affecting the ADME and mathematical models to calculate the rates of drug and metabolite concentrations will be introduced.

Prerequisite: PHSC 210. Offered: F, S.

PHSC 422 - Methods in Biotechnology/L (4)
Uncovers present fundamental concepts in applied biotechnology, laboratory skills, exploratory data analysis, safety, and ethics.

Prerequisite: PHSC 403 CHEM 401L. Offered: F.

PHSC 430 - Ethics in Biomedical Research (1)
Discusses a comprehensive analysis of the major ethical issues raised by scientific research on animal and human subjects. It will emphasize emergence of an international dialogue about research resulted in the adoption of extensive official policies on a broad set of ethical issues. Cases will be discussed.

Prerequisite: Junior/Senior Classification and Instructor's approval. Offered: F, S.

PHSC 432 - Advanced Medicinal Chemistry (3)
Focuses on applications of foundational concepts of drug chemistry. Discusses chemical and pharmaceutical features of drugs and targets by evaluating molecular basis of actions from representative drug classes. Fundamental concepts in contemporary medicinal chemistry including computational chemistry and combinatorial/parallel methods of synthesis are covered in this course.

Prerequisite: CHEM 430.

PHSC 451 - Independent Research I (1)
Faculty supervision of students in research related to pharmaceutical sciences. Open to Junior students that have the ability to carry-out independent work in the laboratory. Laboratory: one hour and additional lab time scheduled as necessary.

Prerequisite: Junior/Senior Classification and instructor's approval. Offered: F, S.

PHSC 452 - Independent Research II (1)
Faculty supervision of students in research related to pharmaceutical sciences. Laboratory: one hour and additional lab time scheduled as necessary.

Prerequisite: PHSC 451. Offered: F, S.

PHSC 453 - Independent Research III (1)
Faculty supervision of students in research related to pharmaceutical sciences. Laboratory: one hour and additional lab time scheduled as necessary.

Prerequisite: PHSC 452. Offered: F, S.

PHSC 470 - Drug Discovery, Design & Development (4)
Covers the principles of how new drugs are found with emphasis on the drug discovery pipeline, target identification, screening methodologies and assays, mechanism-based design, structure-based design, in vitro and in vivo testing, chemical analogs and development issues. Connections to genomics, bioinformatics, pharmacokinetics and pharmacodynamics, immunology and parasitology will be explored and appropriate health science, pharmaceutical industry and clinical issues will be discussed.

Prerequisite: PHSC 403 with a minimum grade of "C". Offered: F; S.

PHSC 485 - Principles of Pharmacology (3)
Provides an introduction to the principles of toxicology and drug therapy, including safety, management of medication administration, drug actions, adverse drug reactions, and patient dosing (receptors, pharmacodynamics, pharmacokinetics, biotransformation, and toxicology, etc.).

Prerequisite: BIOL 215 with a minimum grade of 'C' and PHSC 403 with a minimum grade of 'C' or BIOL 207 and BIOL 307 with a minimum grade of 'C' and PHSC 403 with minimum grade of 'C'. Offered: S.

PHSC 498 - Scientific Communication/Capstone Seminar (3 credits)
Designed to evaluate a student's accumulated knowledge, abilities, and skills in the major. Course content focuses on recent advances in pharmaceutical
sciences research with strong emphasis on student participation and general discussion.

Prerequisite: Senior classification and instructor's approval. Offered: F, S.

PHS - PUBLIC HEALTH COURSE DESCRIPTIONS

PHS 110 - Introduction to Public Health (3)
Study of the field of public health, covering a broad spectrum of community health services concerned with personal and environmental factors affecting the health status of individuals and populations.

Prerequisite: No Prerequisites. Offered: F; SS.

PHS 210 - Community Health, Safety, and Disease (3)
Health, safety and disease trends and policies in various communities are reviewed. This course requires students to study and research in diverse or unfamiliar communities via direct experiences.

Prerequisite: Recommended prerequisites: General Education Natural Science Requirement. Any physical, natural, or social science course. Offered: S; SS.

PHS 310 - Environmental Health and Sanitation (3)
Air, water, soil, on-site sewage, radiation, consumer product safety, occupational health, transportation safety, hearing and sight, waste water, housing, ergonomics, disease transmission, disaster preparedness and response, and portable toilets. Participation in direct experiences is required.

Offered: F; SS.

PHS 322 - Principles of Epidemiology (3)
Covers basic epidemiological principles, concepts and procedures and provides a basis for an understanding of the concepts and methodological skills necessary for designing and interpreting observational studies. These include validity (random error, bias and confounding), measures of disease occurrence and impact, measures of association, reliability and generalizability, causal inference, and critically reviewing evidence.

Offered: S.

PHS 410 - Terrorism, Disasters, and Epidemics (3)
Terrorism, disasters, and epidemic events are reviewed. Topics: Response roles of health professionals, health facility surge capacities, community resiliency, planning and mitigation strategies at policy and operational levels. Students complete incident command training en route. A project incorporating diverse communities is required.

Offered: S; SS.

PHS 420 - Local Public Health Agency Field Experience (3)
Placement in a local public health agency of the student's choice. Each student assists in the development of his or her placement which reflects the student's particular areas(s) of interest.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PHS 421 - State PHS Agency Field Experience (3)
Placement in a state public health related agency serving health, safety, or sanitation needs of a targeted population. Each student assists in the development of his/her placement which reflects the student's particular areas(s) of interest.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PHS 422 - Federal PHS Agency Field Experience (3)
Placement in a Federal public health related agency serving health, safety, or sanitation needs of a targeted population. Each student assists in the development of his/her placement which reflects the student's particular areas(s) of interest.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PHS 423 - Non-Profit Organization Field Experience (3)
Placement in a nonprofit organization serving health, safety, or sanitation needs of a targeted population. Each student assists in the development of his/her placement which reflects the student's particular areas(s) of interest.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PHS 424 - Private Corporation PHS Field Experience (3)
Placement in a private corporation serving health, safety, or sanitation needs of a targeted population. Each student assists in the
development of his/her placement which reflects the student's particular areas(s) of interest.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PHS 425 - International PHS Field Experience (3)
Placement abroad through an international agency of the student's choice serving health, safety, or sanitation needs of a targeted population. Each student assists in the development of his/her placement which reflects the student's particular areas(s) of interest. Requirements: valid passport, updated and complete immunization record, ECSU travel waiver, life insurance, international travel insurance, demonstrated cultural familiarity, and demonstrated commitment toward promoting improvements in health, safety, and sanitation in diverse communities.

Prerequisite: HLTH 101 or HLTH 367 or instructor permission. Offered: F; S; SS.

PE - PHYSICAL EDUCATION COURSE DESCRIPTIONS

PE 129 - Yoga (1)
Students will learn basic yoga poses and how to reduce tension, increase energy levels, move efficiently, and reconnect to self-awareness. The poses are adaptable and will be presented in such a way that they can be personalized for different levels of fitness.

Offered: F, S.

PE 160 - Basketball (1)
Focuses on the essential skills and techniques of basketball, as well as the fundamentals of the game. An elective course for the general student body that can be used to meet the Physical Education requirements in General Education.

Offered: F; S.

PE 163 - Golf (1)
Designed to acquaint students with history, relevant terminology, and rules of golf. Equips the student with fundamental skills of scoring, playing, and strategies of golf. This elective course for the general student body can be used to meet the Physical Education requirements in General Education.

Offered: F; S.

PE 164 - Jogging (1)
Assists students interested in developing a personalized conditioning program and better fitness for health through jogging. This elective course for the general student body can be used to meet the Physical Education requirements in General Education.

Offered: F; S.

PE 168 - Volleyball (1)
Broadens the scope of knowledge about skills and techniques of the sport as well as to develop the spirit of fun, good fellowship, and sportsmanship. This course is open to all students. One semester hour of credit. This course can be used to meet the Physical Education requirements in General Education.

Offered: F.

PE 169 - Weight-Training (1)
A controlled program of weight-training exercises for students interested in developing individualized programs for fitness and strength improvements. This course is a part of the General Education sequence and may be used to fulfill the Physical Education requirements.

Offered: F; S.

PE 172 - Badminton (1)
Designed for beginning players. Covers beginning skills and knowledge that will enable one to be proficient in the game. This elective course for the general student body meets Physical Education requirements in the General Education Program.

Offered: F.
PE 173 - Swimming I (1)
Beginning swimming, elementary techniques, and safety procedures. Develops basic water safety skills and knowledge.
Offered: F; S; SS.

PE 174 - Swimming II (1)
Provides an opportunity to develop skills in breath control, rhythmic breathing, survival floating, treading, changing positions, elementary backstroke, crawl stroke, diving, and underwater swimming. This elective course for the general student body meets the physical education requirements in General Education.
Prerequisite: GE 173 or instructor's written consent.
Offered: F; S; SS.

PE 175 - Intermediate Swimming (1)
Intermediate swimming class focusing on refinement of front crawl, back crawl, elementary backstroke, breaststroke, and diving from the pool deck.
Prerequisite: GE 174 or consent of the instructor.
Offered: F; S.

PE 180 - Bowling (1)
Develops skills in scoring, ball selection and grip, approaches, releases, methods of aiming, and the etiquette of bowling. This elective course for the general student body can be used to meet the physical education requirements in General Education.
Offered: F; S.

PE 183 - Beginning Tennis (1)
Familiarizes students with basic rules, regulations, and skills necessary to enjoy tennis as a recreational activity. Instruction includes proper grips, forehand and backhand strokes, and the serve. This elective for the general student body meets the physical education requirement for the General Education Program.
Offered: F; S; SS.

PE 184 - Dance (Folk and Square) (1)
Enhances the student's physical, cognitive, and social development through folk and square dance. History, terminology, and dance steps used in American square dance and international folk dance. This elective course for the general student body can be used to meet the Physical Education requirements in General Education.
Offered: S.

PE 186 - Exercise and Health-Related Fitness (1)
Develops knowledge and skills toward the attainment of physical fitness through appropriate, regular exercise, nutrition, stress management, weight control, good posture, and body mechanics.
Offered: F; S.

PE 187 - Intermediate Tennis (2)
Develops a high degree of efficiency in advanced skills and strategies. Skill instruction includes volley, lob, drop, smash, and half-volley shots. Advanced students should know strategy and tactics for rallies, games, sets, and matches, along with developing single and double elimination tournaments.
Prerequisite: GE 183 or instructor's written consent.
Offered: F; S.

PE 191 - Racquetball (1)
Develops the basic knowledge, skills, strategy, and safety practices of racquetball. Instruction includes lecture, demonstration, practice, and competition. This elective course for the general student body can be used to meet the Physical Education requirements in General Education.
Offered: F; S; SS.

PE 193 - Modified Dance (1)
PE 195 - Outdoor Activities (1)
Promotes knowledge and skills of contemporary recreational outdoor leisure activities such as hiking, orienteering, cycling, tubing and rafting, canoeing, and camping. Emphasizes noncompetitive activities suitable for participation throughout life. This course is required of all Physical Education majors. This is also an elective course for the general student body that can be used to meet the Physical Education requirements for General Education.
Offered: F.

PE 199 - Lifetime Physical Activity (1)
The Lifetime Physical Activity course is designed to provide students with the knowledge and information necessary to lead a physically active lifestyle through goal setting, physical activity participation, and activity tracking. This course is delivered online and
PE 208 - Step Aerobics (2)
Provides a cardio-respiratory workout using muscles that are utilized in basic locomotor movements and various step-and-arm combinations to develop flexibility, strength, and muscular endurance. Low-impact or high-impact routines adjusted to music for the release of emotional and mental tension.
Prerequisite: Open to all students. Offered: F; S; SS.

PE 209 - Water Aerobics (2)
Provides choices for exercisers who benefit from water buoyancy, which reduces joint stresses associated with weight-bearing exercise. Emphasizes adapting land-based aerobics to water as well as familiarizing students with the psychological benefits of water aerobics.
Prerequisite: Teacher's written consent. Offered: S; SS.

PE 274 - Fundamentals of Self Defense (1)
The course includes lecture, discussion and self-defense techniques suitable for students of all ages and abilities. Open to all students.
Offered: F; S.

PE 276 - Taekwondo (1)
This course includes lecture, discussion, and physical practice of Taekwondo. Open to all students.
Offered: F; S.

PE 279 - Pilates (1)
Introduction to the beginner and intermediate mat Pilates method of body conditioning. Pilates mat work emphasizes core musculature as it applies to everyday movement. Introduces a series of low impact resistance-based conditioning exercises designed to develop core strength, posture, breath control, body alignment, and flexibility. Benefits include balance, body awareness, injury prevention, stress reduction and increased self-confidence. No previous movement experience required.
Offered: F; SS.
motions involving light and sound. Lecture: three hours per week.

Prerequisite: PHYS 181L. Corequisite: PHYS 182L. Offered: F; S.

**PHYS 182L - General Physics II Lab (1)**
Laboratory experiments reinforce the concepts covered in PHYS 182 and PHYS 192 and develop skills in the experimental set-up, data collection, data analysis and interpretation of experimental data. Laboratory: two hours per week.

Corequisite: PHYS 182 or PHYS 192. Offered: S.

**PHYS 191 - University Physics I (3)**
An introductory physics course based on calculus. Covers vectors and mechanics of particles and rigid bodies covering kinematics and dynamics. Lecture: three hours per week.

Prerequisite: MATH 157. Corequisite: MATH 158 and PHYS 181L. Offered: F.

**PHYS 192 - University Physics II (3)**
A continuation of PHYS 191. Topics include heat and kinetic theory of gases, electrostatics, and electrodynamics. Lecture: three hours per week.

Prerequisite: MATH 165. Corequisite: PHYS 182L. Offered: S.

**PHYS 193 - University Physics III (3)**
A continuation of Phys 192. Topics include Optics, modern physics, and other physics topics not covered in PHYS 191 and PHYS 192. Lecture: 3 hours per week.

Prerequisite: PHYS 192. Offered: F.

**PHYS 201 - Mechanics I (3)**
Introduces the vector calculus and kinematics of particles. It also deals with dynamics of particles in one-dimensional problems. Lecture: 3 hours per week.

Prerequisite: Prerequisites or Co-requisites: PHYS 193; MATH 265. Offered: F.

**PHYS 202 - Mechanic II (3)**
Develops further, concepts built in PHYS 201. Deals with two-and three-dimensional motions more rigorously. The basic concepts of rigid body dynamics are also developed. Lecture: 3 hours per week.

Prerequisite: PHYS 201. Offered: S.

**PHYS 203 - Astronomy (3)**
For both science and non-science majors. Presents a clear, vivid, non-mathematical treatment of the frontiers of modern astronomy. Students become conversant and acquainted with new developments regarding pulsars, black holes, quasars, and controversies surrounding redshifts and other phenomenological concepts concerning astronomy. Lecture: 3 hours per week.

Offered: F; S.

**PHYS 203L - Astronomy Lab (1)**
Laboratory exercises, demonstration exercises, and elementary calculations to illustrate methods used in astronomy. Some constellation study with planetarium visits and occasional evening observation. Laboratory: 2 hours per week.

Corequisite: PHYS 203. Offered: F; S.

**PHYS 211 - Principles of Biophysics (3)**
The biological principles of physics. Discussions include optics of sight, corrective lenses for long and short sightedness, physics of heart pacers, nerve impulse conduction, cell membrane integrity and function, mechanics of muscle function, elasticity in cell biology, the physics of biological locomotion, and electromagnetism of the human body, a very efficient conductor of electricity (a basis for electrocution). Lecture: 3 hours per week.

Prerequisite: Prerequisites or Co-requisites: PHYS 193, BIOL 102 and PHYS 211L. Offered: F.

**PHYS 211L - Principles of Biophysics Lab (1)**
Students carry out experiments that illustrate physics in biological systems and how designs of various medical devices such as heart pace makers and hearing aids are based on the principles of biophysics. Corequisite: PHYS 211. Offered: F.

**PHYS 212 - Principles of Biophysics (3)**
The biological principles of Physics. Discussions include a review of diffusion and random walk, Entropy, Temperature, and Free Energy, Entropic Forces, and Chemical Forces, Enzyme kinetics, force generation by kinesin, Mitochondria, proton pumps, ATP synthase, and flagellar motor. Lecture: 3 hours per week.
Prerequisite: PHYS 211. Corequisite: PHYS 212L. Offered: S.

PHYS 212L - Principles of Biophysics Lab (3)
Students carry out experiments that illustrate Physics in biological systems and learn how to operate various bio-physical instruments such as spectroscopy, electron microscopy, X-ray diffraction, crystallography, and NMR.
Corequisite: PHYS 212. Offered: S.

PHYS 301 - Electricity and Magnetism I (3)
Introduces principles of electricity based on vector calculus. Laplace's equation and simple solutions are derived. Lecture: 3 hours per week.
Prerequisite: Prerequisite or Co-requisite: PHYS 193; MATH 165. Offered: F.

PHYS 302 - Electricity and Magnetism II (3)
Principles introduced in PHYS 301 are further developed. The theory of magnetism is developed and the Maxwell's Equations of electrodynamics are derived. The solutions of such equations which lead to electromagnetic waves are also demonstrated. Lecture: 3 hours per week.
Prerequisite: PHYS 301. Offered: S.

PHYS 310 - Optics (3)
Basic ideas of propagation of light, first considered as rays and then as waves. Such topics as interferences, diffraction, and polarization treated in detail. Knowledge of electricity and magnetism is desirable, but not necessary. Lecture: 3 hours per week.
Prerequisite: Prerequisite or Co-requisite: PHYS 193; MATH 165. Offered: F.

PHYS 320 - Thermodynamics (3)
Concepts of thermodynamics systems and laws of thermodynamics. Also treats the basis of kinetic theory of gases. Lecture: 3 hours per week.
Prerequisite: Prerequisite or Co-requisite: PHYS 192. Offered: S.

PHYS 321 - Electronics (3)
Intermediate course in applied electronics. Study of basic components, circuits and systems in modern electrical instrumentation. Emphasizes transistors, Field Effect Transistors (FET), and Silicon Controlled Rectifier (SCR). Lecture: 3 hours per week.
Prerequisite: Prerequisite or Co-requisite: PHYS 302. Offered: S.

PHYS 330 - Junior Laboratory (2)
Introduces experiment verification of some principle of physics which could not be done in General Physics/University Physics Laboratory. Laboratory: 4 hours per week.
Prerequisite: PHYS 192. Offered: F.

PHYS 433 - Senior Laboratory (2)
Acquaints students with advanced experiments. Laboratory: 4 hours per week.
Prerequisite: PHYS 330. Offered: S.

PHYS 441 - Mathematical Methods of Physics I (3)
Mathematical methods and applications necessary for work in theoretical physics. Lecture: 3 hours per week.
Prerequisite: PHYS 193; MATH 165. Offered: F.

PHYS 442 - Mathematical Methods of Physics II (3)
Further mathematical methods and applications used in theoretical physics. Lecture: 3 hours per week.
Prerequisite: PHYS 441. Offered: S.

PHYS 470 - Medical Physics (3)
Basic knowledge of atomic Physics and Quantum Mechanics as well as basic interactions of ionizing and non-ionizing radiation important in medicine. Topics include photon, electron, and neutron interactions, high LET radiation, radioactivity, ultrasound interactions, and laser interactions. Also includes conventional X-ray radiology, digital radiography, computed tomography, ultrasound, and magnetic resonance imaging.
Prerequisite: PHYS 193. Offered: F.

PHYS 481 - Modern Physics I (3)
Elementary modern aspects of physics involving wave packets, special relativity theory, and photo electric efforts. Lecture: 3 hours per week.
Prerequisite: PHYS 202. Offered: F.

PHYS 482 - Modern Physics II (3)
The concepts developed in PHYS 481 are further developed. Topics involve X-ray, Compton Effect, pair production, classical quantum theory, Schrödinger equations, quantum mechanical
treatment of hydrogen atom and some basic ideas of solid-state physics. Lecture: 3 hours per week.
Prerequisite: PHYS 481. Offered: S.

PHYS 484 - Quantum Mechanics (3)
Basics principles of quantum mechanics covering the Schrödinger Wave Equations, operators and transformation theory, angular momentum, atomic structure, and perturbation theory. Lecture: 3 hours per week.
Prerequisite: PHYS 481; MATH 358. Offered: F; S.

PHYS 486 - Physics Seminar (1-3)
Covers subjects related to current developments in physics.
Prerequisite: Department Chair's written consent. Offered: F; S.

PHYS 487 - Sound (3)
Fundamentals of periodic phenomena wave motion in solid, liquid, gaseous media; introduction to acoustics. Lecture: 3 hours per week.
Prerequisite: Prerequisites or Co-requisites: PHYS 193; MATH 265. Offered: F; S.

PHYS 490 - Physics: An Integrated Approach (3)
This Physics Capstone course is a requirement for all graduating seniors majoring in physics. It is a consolidation of fundamental concepts in classical mechanics, relativity, electromagnetism, optics, waves, thermodynamics, statistical mechanics, quantum mechanics, atomic physics and special related topics. Lecture: 2 hours per week; Seminar: 1 hour per week.
Prerequisite: Senior Standing. Offered: F; S.

PHYS 499 - Physics Research (1-2)
Faculty supervision of student research in current topics of Physics. Open to juniors and seniors with demonstrated ability to carry out independent work in Physics. Students may enroll for up to two semester hours credit.
Prerequisite: Instructor/Department Chair's written consent. Offered: F; S.

POLS - POLITICAL SCIENCE COURSE DESCRIPTIONS

POLS 200 Prerequisite applies to Political Science majors only.

POLS 200 - Introduction to Political Science (3)
Basic study of political science, its scope, methodology, structure of government, political institutions, and ideologies. Emphasizes, critical thinking, and writing. POLS 200 serves as a General Education elective.
Prerequisite: No Prerequisite. Offered: F.

POLS 298 - American National Government (3)
Structure and functions of the American national government. Nature of the federal system, the Constitution, citizenship, and popular participation in governing. Extent and character of national power. Changing nature of relations of national government to the states and to the individual. Working knowledge of good citizenship in everyday life. No prerequisite
Prerequisite: No Prerequisite. Offered: F; S.

POLS 299 - State and Local Government (3)
Critical examination of state and local governments and their governing capacities. Examination of the social and economic characteristics, legal structures, political processes, fiscal strength, leadership resources, and policy choice of state and local governments. Emphasizes the similarities and differences among the states and their importance in the federal system of government. Discussion of topical issues pertaining to states would form a basis of additional discussion. Students will prepare an electronic portfolio. No prerequisite
Prerequisite: No Prerequisite. Offered: F; S.

POLS 305 - Political Theory (3)
Examines, evaluates and possibly alters students' personal value commitments through an exposure to varying political theories that have been adopted in addressing persistent political problems. Topics such as: political associations, the role of politics in personal growth, competing theories of justice; liberalism; conservatism; feminism; freedom and self-actualization, representation, social cohesion; the idea of moral communities are all theories covered in this class. No Prerequisites.
Prerequisite: No Prerequisite. Offered: S.
POLS 307 - American Political Ideas (3)
Analysis of American ideas on law and government, authority and civil liberty, oligarchy and democracy, from the Puritans to the present time. Emphasizes the thoughts of Hamilton, Jackson, Calhoun, Lincoln, Thoreau, Belany, Henry George, Wilson, Hoover, Roosevelt, Holmes, Dewey, Reagan, and others.

Prerequisite: No Prerequisite. Offered: S, F.
POLS 310 - American Presidency (3)
Covers the development of presidential power and functions, the contemporary operations of the presidency and the challenges which may confront the presidency in the future. No prerequisite

Prerequisite: No Prerequisite. Offered: S.
POLS 311 - Political Science Methods (3)
Introduces Political Science Research methods and procedures for collecting and analyzing political data. Student will learn research methods fundamentals as well as develop skills to conduct quantitative research. Data interpretation is essential. Research on a specific political data is required. Research project is evaluated

Prerequisite: Student from other majors needing a research methods course may take this class. Offered: F; S.
POLS 402 - Politics and Problems of Contemporary Africa (3)
A broad overview of politics and society in Africa, organized thematically to explore issues such as colonialism, ethnicity, nationalism, class, ideology, legitimacy, sovereignty, and democracy.
Investigation of the role of the state in economic and political development, global political economy, international division of labor, international development, and the challenges and contradictory implications of globalization for African politics.

Prerequisite: No Prerequisite. Offered: S.
POLS 403 - American Foreign Policy (3)
Study of the United States' political, economic, social, and cultural involvements in the international arena, and major foreign policy decisions, including their short- and long-range impact on United States relations with other countries of the world. No prerequisite.

Prerequisite: No Prerequisite. Offered: S.
POLS 404 - Comparative Politics (3)
Search for similarities and differences between political systems, their environments, and structures. Examination of the functions of political systems (such as socialization, recruitment, and communications), process functions (such as interest articulation, interest aggregation, policy making, and policy implementation and adjudication), and policy functions (such as extraction, regulation and distribution). Systematic evaluation of how and why capitalist democracies differ and how differences in political representation, political design, and historical experience produce widely differing patterns of policy making. Discussion of area studies (Britain, France, Germany, Japan, China, Mexico, Brazil, Nigeria, Russia, India, Egypt, and the United States.

Prerequisite: No Prerequisite. Offered: F.
POLS 483 - International Relations (3)
Surveys major theoretical approaches to international relations, the nature of world politics, methods and goals of diplomacy, and controls of State behavior. No prerequisite.

Prerequisite: No Prerequisite. Offered: F.
POLS 484 - International Organization (3)
Explores membership in international and regional organizations, their genesis and historical evolution. Examines the activities of governmental and non-governmental organizations; their logic of design; their objectives; and some of the ways these organizations respond to global challenges such as threats to international peace and security and, in particular, terrorism; egregious international crimes; endemic poverty; global warming; and persistent underdevelopment among some members of the international community.

Prerequisite: No Prerequisite. Offered: S.
POLS 485 - Internship Seminar (1)
Prior to departing for fieldwork, students enroll in a one-credit course focusing on the mechanics of working in large organizations and personnel practices.

Prerequisite: Instructor's written consent.
POLS 486 - Internship Fieldwork In Political Science (3, 6)
Students enroll in internship or fieldwork programs under the direction of a faculty member. Students prepare and read substantial bibliography, write a major research paper or its equivalent on the internship assignment and confer regularly with the professor.
Prerequisite: Instructor's written consent.

POLS 490 - Independent Study or Special Problems in Political Science (1, 2, 3)
May be used as an elective in the major on special projects or research agenda proposed by a student working in consultation with faculty members. Faculty member provides a detailed synopsis of the work to the Departmental Chair for approval before student embarks on independent study.
Prerequisite: Senior Level Student.

POLS 499 - Seminar/Research in Political Science (3)
A capstone course which utilizes knowledge accrued by the student throughout the four years of study. Students demonstrate competence and readiness in applying knowledge, skills and abilities in the professional world. Students formulate their own research topic and write research reports of a substantive nature. Students demonstrate their complete understanding of the major paradigms within the discipline and their own world view of political and social phenomena. The completed portfolio is due at the end of the semester.
Prerequisite: Junior or Senior Status. Offered: S.

PSY - PSYCHOLOGY COURSE DESCRIPTIONS

PSY 212 - General Psychology (3)
An introductory course that promotes an understanding of scientific methods and application to the study of basic concepts of human behavior. Topics include motivation, sensory processes, perception, thinking, learning, personality, and social factors. This course is a prerequisite to all other courses offered by the department.
Prerequisite: No prerequisite. Offered: F; S; SS.

PSY 221 - Professional Perspectives in Psychology (1)
An orientation to career options in psychology at bachelor’s, master’s and doctoral level in addition to researcher in psychology and APA format. As course topics are highly relevant to their immediate and long-term success, students are strongly encouraged to take this course immediately after PSY212.
Prerequisite: PSY 212. Offered: F; S.

PSY 250 - Developmental Psychology (3)
A comprehensive study of development from birth through senescence. Psychological, biological, intellectual, personality, and social process factors that impact development are viewed within theoretical and cultural frameworks.
Prerequisite: PSY 212. Offered: S.

PSY 260 - Psychology of Adjustment (3)
An examination of personal growth and adjustment processes related to the demands of modern life. Theories, research, and real-life applications on adjustment and growth issues. Includes self-concept, stress, mental and physical health, gender and sexuality, relationships, marriage and family, work, aging, and cultural diversity.
Prerequisite: PSY 212. Offered: F.

PSY 296 - Environmental Psychology (3)
Understanding how people experience and interact with their environment is crucial for promoting sustainability and addressing climate change. This course explores all aspects of human-environmental interactions and the role of psychology in promoting sustainability, including issues related to sea-level rise, alternative energy, health, and environmental justice.
Prerequisite: PSY 212 or consent of instructor. Offered: S.

PSY 301 - Statistics and Research Design (4)
An introduction to psychological research, including research design, descriptive and inferential statistics, and the use of computers in psychology. Statistical techniques are utilized to describe data and conduct hypothesis testing. Lab time will be used to focus on the use of software applications for data analysis.
Prerequisite: A grade of 'C' or higher in PSY 212 and PSY 221. Offered: F; S.

PSY 311 - Psychological Tests and Measurement (3)
Surveys the field of psychological tests with attention to measures of intelligence, attitude, personality, and interest. Test construction, validation, and
standardization. Laboratory experiences include the administration, scoring, interpretation, and use of test results.

Prerequisite: A grade of 'C' or higher in PSY 212, PSY 221 and PSY 301. Offered: F.

PSY 320 - Psychology of Social Behavior (3)

An introduction to the concepts, principles, theories, and research in social psychology. Social psychology is the study of how the actual, imagined, or implied presence of others affects our behavior. Topics such as attitude change, social perception, interpersonal attraction, aggression, altruism, prejudice, and group dynamics will be discussed.

Prerequisite: PSY 212. Offered: F.

PSY 330 - Psychology of Personality (3)

Study of the basic theories underlying the structure, organization, and adjustment mechanism of personality. Examines the development of "normal" personality with an emphasis on principal factors controlling human behavior. Historical and contemporary theories are investigated.

Prerequisite: PSY 212. Offered: S.

PSY 340 - Psychology of Cultural Diversity (3)

Survey of concepts, theories and research that have contributed to the field of psychology. Historical and contemporary perspectives of diversity within psychology are examined in relation to theory, practice, social justice and social policy.

Prerequisite: PSY 212, PSY 250. Offered: S.

PSY 351 - Experimental Psychology (4)

A reading and writing intensive course introducing to the methods of science in psychology. Through lecture and laboratory experiences, the development, design, interpretation, and reporting of psychological research are examined leading to an experimental research proposal to be completed in PSY 490 - Psychology Senior Seminar course.

Prerequisite: A grade of 'C' or higher in PSY 212, PSY 221 and PSY 301. Corequisite: Commitment to read, write, think critically and apply statistical concepts. Offered: F; S; SS.

PSY 360 - Abnormal Psychology (3)

A systematic appraisal of the development of human behavior that focuses on the contribution of biological and social factors to psychopathological thinking and behavior. Includes an examination of the formation of deviancy and current diagnostic procedures. Also presents clinical cases, treatment modalities, and legal and social issues.

Prerequisite: PSY 212. Offered: S.

PSY 370 - Physiological Psychology (3)

The study of anatomical and physiological bases of behavior. Emphasizes the function of nervous, sensory, motor, and endocrine systems in motivation, emotion, perception, and learning.

Prerequisite: BIOL 101, PSY 212, and PSY 351. Offered: F.

PSY 375 - Health Psychology (3)

Examines how biological, psychological, and social factors affect (1) health promotion efforts and the prevention and treatment of illness; (2) coping with stress, illness, and pain and; (3) the recovery and psychosocial adjustment of patients. Topics include lifestyle factors, health communication, and health promotion strategies.

Prerequisite: PSY 212. Offered: F.

PSY 380 - Psychology of Group Behavior and Inter-group Conflict (3)

Examines how human behavior is influenced by group membership. Application to the group influence in business, industry, politics, and education. Topics include group development and structure, group leadership and decision-making, crowd behavior and group conflict. Students can expect to participate in small group activities during the course.

Prerequisite: PSY 212. Offered: S.

PSY 390 - Psychology of Addictions (3)

Psychological and physiological aspects of drug use, abuse, and other addictions. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse. Topics will also include other addictions, such as gambling.

Prerequisite: PSY 212. Offered: S.

PSY 400 - Sensation and Perception (3)

A study of sensory input function and the processes of interpreting and evaluating sensory information. Research methodology, theories, and research are examined in a way that emphasizes the major sensory
system and its relationship to human perceptual processes.

Prerequisite: PSY 212, PSY 221 and PSY 301. Offered: F.

**PSY 407 - Community Psychology (3)**

A comprehensive survey of the community as a functioning entity of the social environment with an emphasis on mental health problems, life stresses, and inter-group relations. The history, development, and current trends in community mental health. This course considers the application of psychological principles to overall community interaction.

Prerequisite: PSY 212/SOC 201. Offered: F.

**PSY 410 - Industrial/Organizational Psychology (3)**

The application of psychological principles to a variety of human problems in industry and organizations. Topics covered are personnel selection, training, and evaluation; human factors and engineering psychology; and the organizational and social context of human work.

Prerequisite: PSY 212. Offered: F.

**PSY 420 - Counseling Principles and Practices (3)**

An introduction to current counseling theories and expanded treatment practices. Provides a conceptual framework for implementing representative approaches in diverse counseling settings. Emphasizes meeting client needs by maximizing personal and academic development through the counseling process.

Prerequisite: PSY 212, PSY 330 or PSY 360. Offered: F.

**PSY 450 - Learning and Cognition (3)**

An investigation of the manner in which new information is acquired and retained and how this affects learning acquisition. Emphasizes research methodology, findings, and the appropriate application to human learning and thinking.

Prerequisite: PSY 212, PSY 221, and PSY 351. Offered: S.

**PSY 480 - Practicum in Psychology (3)**

Participants spend 36 hours of laboratory/field experience under the joint supervision of a field supervisor and a member of the departmental faculty. Emphasizes the application of concepts and principles from coursework to applied field experiences. Students must attend orientation sessions prior to placement as well as debriefing and evaluation sessions during and following the practicum.

Prerequisite: Psychology major in senior year and Departmental Chair's written consent. Offered: S.

**PSY 490 - Senior Seminar in Psychology (3)**

Explores psychological concepts and issues through research projects. Students present individual reports of findings and defend research results. **This course is the capstone course for completion of the major in psychology.**

Prerequisite: PSY 221, PSY 301, PSY 351 and Psychology major in senior year, and written consent of the instructor and department chair. Offered: F; S.

**RELG - RELIGION COURSE DESCRIPTIONS**

**RELG 200 - Introduction to Religion (3)**

Religion as historical and cultural phenomenon, explored in its aesthetic, anthropological, ethical, historical, literary, philosophical, political, psychological, and sociological dimensions. This course is one of four required courses needed for the Religious Studies Minor (HIST 330, HIST 331, HIST 332).

Prerequisite: No Prerequisites.

**RETIREMENT PLANNING COURSE DESCRIPTIONS**

See Course Listings under Banking & Finance.

**SOC - SOCIOLOGY COURSE DESCRIPTIONS**

**SOC 201 - Introduction to Sociology (3)**

Explore the nature of sociology as a social science, the sociological perspective or "sociological imagination," the key concepts and theories of sociological analysis, and the structure and changing nature of America's culture and social institutions.

Prerequisite: No Prerequisite. Offered: F; S.
SOC 201H - Introduction to Sociology Honors (3)
Sociology is the systematic and scientific study of human social behavior. Introduces sociological concepts, theories, methods, and research findings and includes topics such as social stratification, race relations, sex roles, and deviance. Entails self-directed study and in-class discussion of independent research projects.
Offered: S.

SOC 202 - Social Problems (3)
Defining and analyzing social problems, including the social construction of social problems, the nature and the extent of different social problems such as drugs and alcohol, poverty, unemployment health care, aging, crime and delinquency, prejudice and discrimination, and social problem research or policy connections.
Prerequisite: No Prerequisite. Offered: F; S.

SOC 207 - Race and Ethnic Relations (3)
Examine the evolving nature of America's social and cultural diversity in terms of different race and ethnic groups (Whites, Blacks, Hispanics, Asian-Americans, and American-Indians), the social and cultural differences between and among different races and ethnic groups; issues of racial prejudice, hatred, and discrimination, and the emerging laws and policies for a more inclusive society and culture in America in the 21st century.
Offered: F; S; SS.

SOC 297 - Social Research Methods (3)
Examine the nature and the methodology of social sciences, the nature of causality in social sciences, theory-research connections, competing methods of social research, techniques of social surveys, GSS (General Social Survey) data, and research-policy connections.
Prerequisite: SOC 201 or equivalent and SOC 346. Offered: F.

SOC 304 - Sociology of Gender (3)
Sociology of Gender will highlight causes and consequences of behavioral expectations associated with masculine and feminine gender roles in modern societies. Emphasis is given to social learning, role conflict and social movement associated with social inequalities related to sex status.
Offered: F.

SOC 305 - Sociology of the African-American (3)
Explore the historical nature of the formation of African-American families, the shifting structure and nature of African-American families in the post-civil rights era, and the emerging service economy in the United States.
Prerequisite: No prerequisite. Offered: S.

SOC 306 - Urban Sociology (3)
Examine the emergence and the evolution of cities, the historical nature of urbanization in America, theories of urbanization and "urbanism as a way of life," the emergence of new cities in the context of globalization, and the social and cultural impact of cities and suburbanization.
Prerequisite: SOC 297. Offered: F.

SOC 325 - Sociology of Race and Crime (3)
Sociology of Race and Crime focuses on the dynamics of the relationship between race and crime. This course also examines various theories using crime and victimization datasets on the socio-economic and cultural variables.
Offered: F; S.

SOC 330 - Sociology of Deviant Behavior (3)
This course examines behaviors considered deviant in the United States. In addition, this course will explore major types of deviant behavior such as corporate crimes, extremist groups, sexual deviance, violence, suicide, alcoholism and other drug addictions and cyber deviance.
Offered: F.

SOC 346 - Social Statistics (3)
Explore the nature of scientific methods and the art of scientific research, significance of statistics for social research and social policy-making, methods of data collection, organization, analysis, and interpretation including different descriptive and inferential statistical principles.
Prerequisite: SOC 201. Offered: F.

SOC 345 - Introduction to SPSS (3)
This course is an introduction to the Statistical Package for the Social Sciences (SPSS), a computer software for data processing and statistical analysis, enabling students without knowledge of
programming or without programming aspirations to utilize the computer for scientific research.

Prerequisite: No prerequisite. Offered: F.

**SOC 350 - Sociology of Media (3)**

Sociology of Media will focus on mass media representations of gender, race, class, and politics, as well as the cultural, legal, economic, and institutional factors influencing the production of media texts. Types of Media to be discussed in the classroom include advertisements, film, news media, comic books, video games, “reality” television, and sitcoms.

Offered: F; S.

**SOC 360 - Social Psychology (3)**

Examine individuals and society from a socio-psychological perspective, particularly focusing on the influence of society on individuals, personality development, adult socialization, role behavior, self-evaluation, and conformity.

Prerequisite: SOC 201, PSY 212. Offered: S.

**SOC 371 - Digital Sociology (3)**

Digital Sociology will cover the sociological underpinnings of apps, likes, shares, profiles, and swipes. This course will primarily focus on critical perspective in regards to labor and new media, surveillance and privacy on social media networks, and contemporary issues of digital technologies and stratification by race, class, gender, and citizenship.

Offered: F or S.

**SOC 385 - Social Theory (3)**

Examine the role of theorizing in science and the history of social theory, the rise of classical sociological theories including the writings of Comte, Marx, Durkheim, Simmel and Weber, and the nature of the contemporary sociological theories of Parsons, Merton, C.W. Mills, Goffman and Wallerstein.

Prerequisite: SOC 201. Offered: F.

**SOC 401 - The Family (3)**

Examine the history, origin, structure, functions, and roles of families as a core social institution.

Prerequisite: SOC 385. Offered: S.

**SOC 412 - Social Stratification (3)**

Examine the characteristics of social stratification, theories of social stratification, the rise of a new professional and corporate class, forms of social stratification; equal opportunities and the growth of civil rights issues and legislation; and the changing nature of class structure in America.

Prerequisite: SOC 201. Offered: S.

**SOC 480 - Seminar in Human Terrain Systems in South Asia (3)**

Examine the nature of the Human Terrain Systems (HTS) in South Asia, which is now a diaspora of many conflicting and contrasting ideals and ideologies in the socio-political-cultural spheres of the region, to enhance the socio-political-cultural knowledge base for effective operational decision making of the US military.

Prerequisite: SOC 201. Offered: S.

**SOC 481 - Population (3)**

Examine the composition and characteristics of population and population processes such as fertility, mortality, migration trends in population growth, the nature of contemporary global migration, identify social and economic impact of population changes, and the nature of problems of the graying of America.

Prerequisite: SOC 385. Offered: S.

**SOC 488 - Seminar in Sociology (3)**

This course is a comprehensive survey of the fields of sociology with emphasis on independent study and group discussion of recent developments and trends. Students will complete independent reading and research on a topic to be selected under the supervision of an instructor. (Papers and oral reports as appropriate.)

Prerequisite: SOC 297 and SOC 385. Offered: F; S.

**SOC 490 - Sociology of Globalization (3)**

This course focus on the dynamics of global development and globalization and the roots and nature of social change by reviewing various theories (social, cultural, technological, political, and economic dimensions of global change).

Offered: F; S.
SOWK - SOCIAL WORK COURSE DESCRIPTIONS

SOWK 205 - Introduction to Social Work (3)
This course provides an overview of the profession of social work and introduces students to the history, mission, methods, and value base of the profession. Emphasis is on vulnerable and disadvantaged populations, generalist practice, and diverse fields of practice where professional social workers are employed.
Prerequisite: No Prerequisite. Offered: F; S.

SOWK 210 - Fundamentals of Interviewing (3)
This course introduces the various skills needed in conducting professional interviews. Students gain knowledge and practice skills to interact and engage with individuals and families. Special emphasis is placed on communication skills, verbal and non-verbal behaviors, and professional observations (first course in the professional social work practice sequence).
Prerequisite: No Prerequisite (Non-Majors), Prerequisite SOWK 205 (Social Work Majors). Offered: F; S.

SOWK 220 - Human Diversity (3)
This course introduces students to the various dimensions of human diversity. These dimensions include, but are not limited to, race, ethnicity, gender, sexual orientation, age, and social class.
Prerequisite: No Prerequisite (Non-Majors), Prerequisite SOWK 205 and 210 (Social Work Majors). Offered: F; S.

SOWK 247 - Rural Social Work Practice (3)
This course introduces students to social work practice in rural communities. The course examines problems, issues, needs, strengths, challenges, and other conditions unique to rural and isolated communities. Emphasizes community-based service providers and public policies that impact rural and isolated communities.
Prerequisite: No Prerequisite (Non-Majors). SOWK 205, 210, and 220 (Social Work Majors). Offered: S.

SOWK 250 - Introduction to Social Welfare (3)
This course provides an overview of the historical and contemporary development of social welfare in the United States. It also examines social problems, social policies, and service delivery systems.
Prerequisite: SOWK 205, SOWK 210, SOWK 220. Corequisite: SOWK 247. Offered: S.

SOWK 260 - Human Behavior in the Social Environment I: Childhood and Adolescence
Part one of a sequence of two courses that examines human behavior from a generalist social work practice perspective within the context of cultural, biological, psychological and sociological dimensions of human development. This course focuses on stages of human development from infancy to adolescence.
Prerequisite: SOWK 205, SOWK 210, SOWK 220. Corequisite: SOWK 247 and 250. Offered: S.

SOWK 280 - Introduction to Gerontology (3)
This course introduces students to basic knowledge concerning the elderly and the field of gerontology – the multidisciplinary study of the biological, psychological, and social aspects of aging. It is designed to demystify myths and provides realities about the aging process. Students are introduced to aging demographics, housing arrangements, financial services, and various organizations that assist the elderly population.
Prerequisite: No Prerequisites. Offered: F.

SOWK 310 - Advanced Interviewing and Intervention Skills (3)
This course builds upon the Fundamentals of Interviewing course and emphasizes the various skills needed in conducting professional social work interviews at the generalist practice level. Students practice key skills such as engagement, listening, data collection, assessment, planning, intervention, evaluation, termination, and follow-up. Role-plays and video-taped interviews will provide students opportunities to demonstrate the professional use of self.
Prerequisite: Sophomore or higher status (Non-Majors). SOWK 205 (Social Work Majors). Offered: S.

SOWK 325 - Social Work with Military Families (3)
This course introduces students to military culture in which military personnel, veterans, and their families function. Special attention is given to the problems, needs, strengths, and challenges of military families.
Students also gain knowledge, professional values, and practice skills to work effectively and ethically with military families at the generalist practice level.

Prerequisite: Sophomore or higher status. Offered: F.

SOWK 333 - Social Work in Health Care (3)

This course introduces students to the specialized knowledge, skills, and ethical standards central to effective social work practice in health care settings. Special attention will focus on advanced practice skills and strategies relevant to health care settings with individual, families, groups, interdisciplinary teams, and service providers. This course also examines the roles and functions of health and medical social workers working in a variety of health care settings. Social work practice will be explored in the context of the psychosocial crisis of short and long term illnesses, disabilities and community-wide disasters, crisis related to injury, and loss throughout the lifespan.

Prerequisite: Sophomore or higher status. Offered: S.

SOWK 342 - Crisis Intervention (3)

This course provides students with knowledge and skills needed to recognize and intervene appropriately in crisis situations. Also, the course explores immediate and short-term emergency responses to mental, emotional, physical, and behavioral distress. Crisis interventions help to restore an individual's equilibrium to their biopsychosocial functioning and minimize the potential for long-term trauma or distress. Various crisis situations (i.e. homelessness, divorce, injury, unemployment, and natural disasters) will be explored.

Prerequisite: Sophomore or higher status. Offered: S.

SOWK 343 - Social Work with Children (3)

This course examines the history of child welfare to include laws, policies, and issues that significantly impact children. Also, it focuses on problems, needs and services for children. In addition, the course will identify psychosocial development, intervention skills, theories, and techniques for working with children are emphasized in this course.

Prerequisite: Sophomore or higher status. Offered: F.

SOWK 350 - Introduction to Forensic Social Work (3)

Forensic Social Work is a special field of social work practice that focuses on intervention with various size systems who are involved in the criminal justice, legal, or other systems. This course provides an introduction and overview of Forensic Social Work. Special attention is given to problems and issues related to child welfare, custody, crime, delinquency, violence, and divorce. This course also explores the vulnerable populations that Forensic Social Worker serves. In addition, the wide range of settings where Forensic Social Workers are employed are also examined.

Prerequisite: Sophomore or higher status. Offered: S.

SOWK 367 - Social Work Practice I: Individuals, Families, and Groups (3)

This course focuses on generalist social work practice with individuals, families, and groups in the rural context. Students apply the Generalist Intervention Model to work with various size systems.

Prerequisite: SOWK 205, SOWK 210, SOWK 220, SOWK 247, SOWK 250 and SOWK 260 and Admission to the Social Work Program. Offered: F.

SOWK 370 - Social Welfare Policy (3)

This course examines local, state, national and international social welfare policies and programs that impact populations-at-risk. Students will be provided with an analytical framework for examining social welfare policies and programs.

Prerequisite: SOWK 205, 210, 220, 247, 250, 260 and Admission to the Social Work Program. Offered: F.

SOWK 372 - Human Behavior in the Social Environment II: Adulthood (3)

This course is Part two of a sequence of courses that examine human behavior from a generalist social work practice perspective across the life span. The course examines human behavior within the context of biological, psychological, sociological and cultural dimensions of human development and focuses on young to later adulthood.

Prerequisite: SOWK 205, 210, 220, 247, 250, 260 and Admission to the Social Work Program. Offered: F.

SOWK 377 - Social Work in the School (3)

This course prepares students for social work in the public school system. Special focus is placed on educational services to diverse groups of students (e.g. children with special needs: physical, emotional and cognitive, immigrant and homeless families,
English as a second language, and etc). A range of contemporary issues relevant to school-based services are explored (e.g. bullying, weapons in school, gender identity, social media, and school violence). This course also addresses current federal and state (NC) laws and school social work ethics as they relate to practice with children and their families.

Prerequisite: Sophomore or higher status. Offered: S.

SOWK 385 - Spirituality and Social Work Practice (3)
This course provides an opportunity for students to explore the role of spirituality in social work practice. This course provides an overview of the specialized knowledge, values, and skills needed to prepare students for spiritually-sensitive and culturally competent social work practice. Emphasis is on the various definitions of spirituality, the difference between spirituality and religion, major world religions and spiritual traditions, spiritual assessment tools, and how to conduct spiritual assessments across cultures.

Prerequisite: Sophomore or higher status. Offered: S.

SOWK 390 - Research Methods in Social Work (3)
This course introduces the social work research process and requires students to complete a research proposal. It reviews the basic principles in social work research, problem formulation, research questions and hypotheses, data collection and analysis, single subject designs and social work research ethics.

Prerequisite: SOWK 205, 210, 220, 247, 250, 260, SOC 346 and Admission to the Social Work Program. Offered: S.

SOWK 395 - Women and Religion (3)
This course examines women's historical and contemporary beliefs, practices, and roles as they relate to religion and gender issues. In addition, it examines the treatment of women within the five major religions of the world.

Prerequisite: Sophomore or higher status. Offered: F.

SOWK 400 - The Aged and Society (3)
This course focuses on the social development of the elderly. Emphasis is on social security, housing, long-term care, Medicaid, Medicare, and activities of daily living as it impacts the elderly population.

Prerequisite: Junior or higher status. Offered: S.

SOWK 405 - Social Work and the Law (3)
Emphasis is placed on crime and domestic violence, delinquency and juvenile justice, child welfare education, guardianship, mental health, and disabilities. Students will be given the opportunity to review legal documents, read case laws and statutes, and observe courtroom proceedings.

Prerequisite: Junior or higher status. Offered: F.

SOWK 440 - Perspectives on Death and Dying (3)
This course provides historical and contemporary perspectives on death, dying, and bereavement. Students will explore various cultural, religious, and spiritual beliefs and practices used to embrace the death and dying process.

Prerequisite: Junior or higher status. Offered: F.

SOWK 443 - Social Work Practice II: Organizations and Communities (3)
This course introduces students to generalist practice with organizations and communities in rural areas. Emphasis is placed on community organizing and development, community resources, supervisors and supervision, and Macro theories.

Prerequisite: SOWK 205, 210, 220, 247, 250, 260, 367, 370, 372, and Admission to the Social Work Program. Offered: S.

SOWK 444 - Social Work Field Education and Seminar I (6)
The Social Work Field Experience provides a field internship placement for students at selected human service agencies. The Field Experience is an academic internship for social work students under the supervision of an approved Agency and Field Instructor. Students are required to complete a total of 220 hours at the assigned Agency per semester. This concurrent model will allow students to complete the internship hours at the assigned field placement agency approximately 15 hours a week. Each student is expected to complete two sequential semesters at the same Agency.

The Field Seminar is designed to enhance the field education experience. Students gain an opportunity to integrate theory and practice, discuss pertinent issues and concerns, and to share new insights as they relates to the social work profession. This course emphasizes the knowledge, values, and skills of generalist social work practice.
Prerequisite: Completion of all pre-professional and professional social work courses, Admission to the Social Work Program, and written consent from the Director of Field Education. Offered: F.

**SOWK 445 - Social Work Field Education and Seminar II (6)**

This course is the second part of the Field Education sequence and continuation of SOWK 444. The student is expected to build upon field learning experiences from the preceding semester and demonstrate more advanced knowledge, values, and skills as a generalist social work practitioner. Students are required to complete a total of 220 hours at the assigned Human Services Agency for the each academic semester with a total of 440 hours for each academic year. A Capstone Presentation, which consists of an Oral Agency Presentation at the field agency site is the culminating project for the field experience. The Seminar Class is interconnected with the field experience and provides the opportunity for students to demonstrate the integration of classroom theory with field practice. In the seminar class, students also discuss pertinent issues and concerns, share new insights, and share daily activities with emphasis on the rural context. Prerequisites: All Liberal Arts and GE Requirements/All Pre-Professional and Professional Social Work Courses, and Admission to the Social Work Program, and SOWK 444 – Field Experience and Seminar I.

Prerequisite: Completion of SOWK 444 with a C" or higher and written consent from the Director of Field Education.". Offered: S.

**SOWK 450 - Life and Living: Coping with Dying (3)**

This course is part two of a sequence of courses focused on dying and bereavement. It is designed to provide intervention techniques to help individuals cope and adapt to life after the death of a loved one. Emphasis is placed on cultural, religious, and legal issues facing survivors readjusting to society.

Prerequisite: Junior or higher status. Offered: S.

**SOWK 469 - Independent Research for Special Populations (3)**

This course affords students the opportunity to complete an independent research project. Students will select special population of interest.

Prerequisite: Junior or higher status. Offered: F; S.

**SOWK 499 - Capstone Course In Religion and Social Work (3)**

Students will engage in Directed Independent Study that emphasizes an area of interest in religion and social work. Students will work with a Professor on an individual basis who have an interest in the selected topic.

Prerequisite: Junior or higher status. Offered: F;S.

**SPACE SCIENCE COURSE DESCRIPTIONS**

See Course Listings under Aviation Science.

**SPAN - SPANISH COURSE DESCRIPTIONS**

**SPAN 101 - Elementary Spanish (3)**

Basic grammar, pronunciation, and reading for vocabulary building, cultural aspects and conversation.

Offered: F; S; S.

**SPAN 102 - Elementary Spanish (3)**

Basic grammar, pronunciation, and reading for vocabulary building, cultural aspects and conversation.

Offered: F; S; S.

**SPAN 111 - Conversational Spanish (3)**

Emphasizes the development of skills needed for oral communication. Practical vocabulary is applied to everyday activities through conversation.

Offered: F; S; S.

**SPAN 112 - Conversational Spanish (3)**

Emphasizes the development of skills needed for oral communication. Practical vocabulary is applied to everyday activities through conversation.

Offered: F; S; S.

**SPAN 201 - Intermediate Spanish (3)**

Review of grammatical principles; development of reading, writing, and conversation skills. Reading and interpretation of selected works; introduction to aspects of Spanish culture. Laboratory practice required of all students.
Prerequisite: SPAN 101, SPAN 102 or advanced placement (as determined by the instructor). Offered: F; S.

SPAN 202 - Intermediate Spanish (3)
Review of grammatical principles; development of reading, writing, and conversation skills. Reading and interpretation of selected works; introduction to aspects of Spanish culture. Laboratory practice required of all students.

Prerequisite: SPAN 101, SPAN 102 or advanced placement (as determined by the instructor). Offered: F; S.

SPAN 303 - Spanish Composition (3)
Advanced study of Spanish grammar with emphasis on intensive practice writing and composition. A two semester course sequence. It is required for the minor in Spanish.

Prerequisite: SPAN 201, SPAN 202 or written consent of the department chair. Offered: F; S.

SPAN 304 - Spanish Conversation (3)
Advanced study of Spanish grammar with emphasis on intensive practice writing and composition. A two semester course sequence. It is required for the minor in Spanish.

Prerequisite: SPAN 201, SPAN 202 or written consent of the department chair. Offered: F; S.

SPAN 401 - Survey of Spanish Literature (3)
Great works of literature representing Spanish and Spanish American writers as representatives of Spanish civilization and culture.

Prerequisite: SPAN 303, and SPAN 304 or advanced placement (as determined by the instructor). Offered: F.

SPAN 402 - Survey of Latino Literature (3)
Great works of literature representing Spanish and Spanish American writers as representatives of Spanish civilization and culture.

Prerequisite: SPAN 303, and SPAN 304 or advanced placement (as determined by the instructor). Offered: F.

SPCH - SPEECH COURSE
DESCRIPTIONS

SPCH 200 - Public Speaking (3)
A study of the principles of rhetoric, organization, style, and delivery as employed in the formal public speaking mode. Students present speeches that inform and persuade. Delivery techniques and impromptu theories of public address are introduced.

Offered: F; S; SS.

SPCH 201 - Voice and Diction (3)
Introduces principles of enunciation, elocution, voice development and improvement, vocal variety and expressiveness. Focuses on using the voice effectively, including volume, projection, rate and phrasing, inflection, and resonance. A cursory study of the International Phonetic Alphabet is presented.

Offered: F.

SPCH 214 - College Speech (2)
An introductory course in the principles of rhetoric, organization, style, and delivery as employed in formal public speaking.

Offered: F; S.

SPCH 316 - Argumentation and Debate (3)
Enhances learning skills in the areas of writing, speaking, critical thinking, research, and analysis by utilizing principles of planned discussion and persuasion. It is specifically intended to improve the oral expression of students through the delivery of arguments in debates and critiquing the arguments of others.

Offered: F.

SPED - SPECIAL EDUCATION
COURSE DESCRIPTIONS

SPED 291 - Independent Study (1)
Gives the candidate the opportunity for individual focused study or research under direction of a faculty member. The student must submit a research or study plan, which must be approved by the department chair.

Prerequisite: Consent of instructor.
SPED 292 - Independent Study (2)
Gives the candidate the opportunity for individual focused study or research under direction of a faculty member. The student must submit a research or study plan, which must be approved by the department chair.
Prerequisite: Consent of instructor.

SPED 293 - Independent Study (3)
Gives the candidate the opportunity for individual focused study or research under direction of a faculty member. The student must submit a research or study plan, which must be approved by the department chair.
Prerequisite: Consent of instructor.

SPED 301 - Reading Practicum (2)
Candidates work individually with K-12 learners who are experiencing challenges in learning to read. They will implement the research-validated strategies that they learn in SPED 300 Assessing and Teaching Beginning Reading.
Corequisite: SPED 300. Offered: F.

SPED 302 - Assessing and Teaching Beginning Reading (4)
In this course, candidates will learn to assess and teach beginning reading using research-validated strategies. Emphasis will be on phonemic awareness, phonic and structural analysis, vocabulary development, fluency, and comprehension. Thirty (30) hour field experience required
Prerequisite: Teacher Education the Educator Preparation Program; Background Check. Offered: F.

SPED 310 - Introduction to Special and Diverse Learners (3)
The second of a four course sequence, enrolled students describe the legal and ethical requirements of the Individuals with Disabilities Act, identify appropriate multicultural practices and materials, implement differentiation of instruction, and participate in professional collaboration to meet the needs of diverse learners and their families. Video-based field-experience required.
Offered: F; S; SS.

SPED 334 - Assessment in Special Education (3)
Provides students with a basic overview of standardized and teacher-constructed assessment tools. Class discussions emphasize the possible uses, application, underlying concepts, and issues associated with standardized and teacher-constructed tests. Acceptable methods of selecting, administering, and interpreting an array of tests will be addressed.
Offered: F, SS.

SPED 390 - Social Studies Methods in the Inclusive Classroom (3)
Addresses major concepts in Social Studies, such as problem-solution-effect, multiple perspectives, and factors of group success. Students plan, modify, and adapt instruction that assumes a global perspective on content and calls for distinct and developmentally appropriate pedagogies for 21st century learning. Technology use will be required.
Prerequisite: Admission to the Education Preparation Program. Offered: S.

SPED 395 - Science Methods in the Inclusive Classroom (3)
Addresses major concepts in Science, utilizing scientifically-validated strategies to assist learners struggling in content area courses. Technology use will be required.
Prerequisite: Admission to the Education Preparation Program. Offered: S.

SPED 400 - Methods of Assessing & Teaching Writing to Diverse Learners (2)
Focuses on research-validated strategies in writing instruction. Concepts include: author versus secretary; writing process; writing workshops and peer-mediated instruction; embedded mechanics instruction; and assessing writing using scoring rubrics.
Prerequisite: Admission to the Education Preparation Program. Offered: F.

SPED 431 - Mathematics Practicum (2)
A thirty (30) hour field experience in a K-12 setting in which candidates will implement strategies learned in SPED 432.
Prerequisite: Background Check. Corequisite: SPED 432. Offered: S.

SPED 432 - Assessing & Teaching Mathematics to Diverse Learners (4)
Candidates learn to assess and teach mathematics to diverse learners. Candidates will provide instruction that moves from the concrete to the abstract and will
utilize formative assessment data to make instructional decisions. Emphasis is placed on addressing underlying basic concepts while meeting grade level competencies. 30 hour field experience required.

Prerequisite: Admission to the Education Preparation Program; Background Check. Corequisite: SPED 431. Offered: S.

SPED 450 - Implementing Positive Behavior Support (3)
This course builds on SPED 370. Candidates utilize their knowledge, skills, and dispositions to conduct Functional Behavior Assessments and to develop and implement a Behavior Change Plan in the K-12 setting.

Prerequisite: SPED 370 and Admission to the Education Preparation Program; Background Check. Offered: S.

SPED 460 - Methods of Management & Organization (2)
Putting it all together: developing interdisciplinary instructional units that include research-based strategies; managing the case load; organizing the resource room; and special education process and procedures from RTI to ITP.

Prerequisite: Admission to the Education Preparation Program. Offered: F; S.

SPED 461 - Advanced Practicum: Secondary Schools (2)
Candidates practice and implement the skills and strategies they learn in SPED 460 and SPED 465.

Corequisite: SPED 460; Admission to the Education Preparation Program; Background Check. Offered: F; S.

SPED 466 - Advocacy & Collaboration (4)
This course will assist candidates to develop the leadership and communication skills required to be effective advocates of diverse students who struggle to successfully access the general curriculum. A special emphasis will be on post-secondary transitions. 30-hour field experience required

Prerequisite: Admission to the Education Preparation Program; Background Check. Offered: F.

SPED 475 - Autism Spectrum & Related Behavior Disorders (3)
This course explores the characteristics of autism and identifies strategies for working with children with autism.

Offered: F, S.

SPED 491 - Independent Study (1)
Provides the candidate the opportunity to engage in individual study or research under direction of a faculty member. The department chair must approve the study plan.

Prerequisite: Written consent of instructor.

SPED 492 - Independent Study (2)
Provides the candidate the opportunity to engage in individual study or research under direction of a faculty member. The department chair must approve the study plan.

Prerequisite: Written consent of instructor.

SPED 493 - Independent Study (3)
Provides the candidate the opportunity to engage in individual study or research under direction of a faculty member. The department chair must approve the study plan.

Prerequisite: Written consent of instructor.

STAT - STATISTICS COURSE DESCRIPTIONS

STAT 251 - Basic Statistics (3)
Introduction of display of data, numerical descriptive measures of data, basic idea of probability and probability distributions, sampling distribution of mean, estimation and hypothesis testing of one mean and one proportion, simple linear regression, and correlation.

Prerequisite: GE 115. STUDENTS MUST PURCHASE MATHXL FOR THIS COURSE. Offered: F; S.

STAT 351 - Probability and Statistics I (3)
Calculus-based course in probability and statistics covering random variable, probability distributions, probability densities, distribution functions, sampling distributions, expectation, and moment generating functions. Also covers introduction of multivariate distribution including regression and correlation.

Prerequisite: MATH 165 and STAT 251. Offered: F.
STAT 352 - Probability and Statistics II (3)
Prerequisite: STAT 351. Offered: S.

SUST - SUSTAINABILITY STUDIES COURSE DESCRIPTIONS
SUST 100 - Introduction to Sustainability (3)
Introduces the social, environmental, and economic aspects of sustainability.
Prerequisite: BIOL 101, BIOL 102, CHEM 101 and CHEM 102. Offered: F.
SUST 200 - Global Solutions for Sustainability (3)
Reviews and examines the effect of engineered systems on the global environment and the use of global resources for sustainable living. Utilizes a multidisciplinary approach with guest speakers, and team-based and hands-on projects.
Prerequisite: SUST 100. Offered: S.
SUST 300 - Ecology of Sustainability (4)
Covers basic ecological concepts that can inform sustainability protocols and environmental decision-making, includes, but not limited to topics like energy flow, food webs, biodiversity and the effects of limiting factors in the ecosystem.
Prerequisite: ENSC 101, ENSC 101L and BIOL 300. Offered: F.
SUST 400 - Sustainability Project Management (6)
Project based-learning course that provides students with the opportunity to practice sustainable project management while bringing projects in on time and on budget in the real world. Two hours lecture and four hours project/field experience with additional time as required.
Prerequisite: SUST 200 and SUST 300. Offered: S.

THEA - THEATER COURSE DESCRIPTION
THEA 221 - Appreciation of Drama (2)
Introduction of both the practice and literature of the theatre, with emphasis on drama as an art form: how the actor, director, and designer, function. Outstanding plays of major periods demonstrate technical, aesthetic aspects of theatrical production. Illustrated lectures, demonstrations, and classroom exercises.

Offered: on demand.

UAS - UNMANNED AIRCRAFT SYSTEMS COURSE DESCRIPTIONS
UAS 100 - Unmanned Aircraft Systems (3)
This course is an overview of various available unmanned aerial systems (UAS) and their role in the aviation industry. Instruction will provide a comprehensive overview of the capabilities, requirements, and business opportunities associated with the UAS industry. It covers the background and impact of UAS, the legislation and regulatory requirements, concerns and considerations, business opportunities for civilian applications, and the future of UAS.
Prerequisite: None.
UAS 200 - UAS and NAS: Laws and Regulations (3)
This course will focus on the expanded use of UAS in the NAS along with the potential issues this surge in popularity may bring. Instruction will provide a comprehensive overview of the current regulations, the plan for integration, and the future implications.
Prerequisite: UAS 100.
UAS 250 - UAS Sensors and Payloads (3)
This course will examine how sensors and payloads on UAS are used and will provide students with a broad familiarity of the many different sensors utilized. Topics in sensor applications include commercial, wildlife management, precision agriculture, and other usages. Future UAS sensor forecasts and applications as well as legal considerations will be discussed.
Prerequisite: UAS 100.
UAS 350L - UAS Applications Lab1 (Design and Construction) (3)
This course will provide the students with the knowledge to build and test UAVs. Topics include: UAV platform, payload and component design, system integration and test and evaluation processes.
Focus will be on design for reliability while always employing safety.

Prerequisite: UAS 250.

**UAS 400L - UAS Applications Lab II (Precision Agriculture/Surveying) (3)**

This course reviews the current state and future potential of UAS in precision agriculture and surveying. Students will learn about small UAS (sUAS) platforms for Precision Agriculture and surveying, sensors for Precision Agriculture, sensor data analysis, NDVI processing, software flight planning, and safety considerations. Hands-on lab activities using eBee Ag, Aeromapper EV2, and Robo Flight (RF) platform will take students through detail steps in deploying sUAS for Precision Agriculture and/or Survey Mapping applications.

Prerequisite: UAS 100.

**UNIV - UNIVERSITY STUDIES COURSE DESCRIPTIONS**

**UNIV 110 - Freshman Seminar I (1)**

Assists students with adjustment to the University and provides them with both knowledge of and practice in the skills necessary for successful academic performance. Provides applications of skill development in note-taking, test-taking, textbook reading, study, time management, concentration, and listening. This course is required of all students and meets one 50-minute period per week.

Offered: F; S.

**UNIV 120 - Freshman Seminar II**

Freshman Seminar II is an extension of the first-semester Freshman Seminar course wherein students are further exposed to the intellectual culture of a university setting. As a source of further assistance in the transitional experience for freshmen, students will gain a better understanding of the necessity for reasoning and communication proficiencies as foundations for life-long intellectual and professional growth. Freshman Seminar II is a 1 credit hour course and is required of all new freshmen.

Offered: F, S.
UNDERGRADUATE FACULTY

Abebe-Akele, Feseha, Assistant Professor, Biology
M.S., Addis Ababa University (Ethiopia)
M.Sc, PhD, University of New Hampshire

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M.S., Obafemi Awolowo University (Nigeria)
Ph.D., Auburn University

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M.S., University of Oklahoma
M.S., Florida Institute

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M.S., Millersville University
M.Ed., Lehigh University
Ed.D., Seton Hall University

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M.A., Ph.D., East Carolina University

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M.S., Cambridge College

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Ph.D., Nova Southeastern University

Crawford, Chyna, Assistant Professor, Criminal Justice
M.A., Forensic Psychology-Marymount University
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M.S., University of Science & Technology of China
M.S., University of Hawaii at Manoa
Ph.D., University of Southern Mississippi

Yuan, Xiaoli, *Associate Professor, Accounting*
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M.B.A., Xiamen University
M.S., University of Illinois at Urbana-Champaign
Ph.D., Florida International University
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<tr>
<td>Social Sciences</td>
<td>Willie and Jacqueline Gilchrist Education and</td>
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<thead>
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<th>Professors</th>
<th>Year Conferred</th>
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<tbody>
<tr>
<td>Mollie Majette</td>
<td>Physical Education</td>
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<td>Beasley</td>
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<tr>
<td>Thaddeus Vernon Beasley</td>
<td>Biology</td>
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<td>Name</td>
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<tr>
<td>Helen Marshall Caldwell</td>
<td>English</td>
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<tr>
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<tr>
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<td>Education</td>
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