

## PLEASE BRING THIS CATALOG WHEN YOU REGISTER

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East Carolina 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. Moreover, East Carolina University is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of black students. An equal opportunity/affirmative action employer, which accommodates the needs of individuals with disabilities.

### UNIVERSITY TELEPHONE NUMBERS

University Operator: 252-328-6131  
Undergraduate Admissions: 252-328-6640  
Graduate Admissions: 252-328-6012  
Records and Transcripts: 252-328-6745

This catalog is effective with the beginning of the academic year.

All provisions, regulations, degree programs, course listings, courses designated as writing-intensive, and time of offering, etc., in effect when this bulletin went to press are subject to revision by the appropriate governing bodies of East Carolina University.

The courses listed as degree requirements in section 7 may have prerequisites or corequisites beyond those that are listed in section 7. See section 8 for complete course description, including prerequisites and corequisites.

Writing-intensive courses in sections 7 and 8 of this catalog are designated with (WI) if all sections of the course are writing intensive and (WI\*) if only selected sections of the course are designated as writing intensive.

The semester in which courses are anticipated to be offered is designated in sections 7 and 8 as follows: (F) fall, (S) spring, (SS) summer. If a year is specified, the course is not offered every year but will be offered in the semester and year indicated. OY indicates that the course is offered regularly during odd-numbered years; EY indicates that the course is offered regularly during even-numbered years.

Prerequisites and corequisites for courses in sections 7 and 8 of this catalog are indicated as follows: P if prerequisite; C if corequisite; P/C if prerequisite or corequisite. When P, C, or P/C is preceded by R, it is recommended but not required.

Some courses that carry general education credit are identified in the course listing in section 8, using the following notation; however, there may be other courses that also carry general education credit. Courses in a student's major prefix area may not count toward his or her general education requirements.

GE:EN = English  
GE:EX = Exercise and Sport Science  
GE:FA = Fine Arts  
GE:HL = Health

GE:HU = Humanities  
GE:MA = Mathematics  
GE:SC = Science  
GE:SO = Social Science

This catalog may be accessed on-line at [www.ecu.edu](http://www.ecu.edu).

**MAILING LISTS:** House Bill 13 of the General Assembly of North Carolina has made mandatory the following requirement concerning mailing lists: "The reviewed, updated, and corrected mailing lists shall be comprised only of those persons and organizations who, within the previous twelve months, have either requested that they be included in such a mailing list or have renewed a request that they be so included." Therefore, institutions, organizations, counselors, libraries, etc., desiring a copy of the catalog or bulletin must make a specific request each year. Address the request to the Office of Undergraduate Admissions, 106 Whichard, East Carolina University, Greenville, NC 27858-4353.

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## **BULLETIN**

### **2002-2003 UNDERGRADUATE CATALOG**

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## **EAST CAROLINA UNIVERSITY IS A MEMBER OF OR ACCREDITED\* BY**

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Accreditation Council on Continuing Medical Education  
Accreditation Council for Graduate Medical Education  
Accreditation Council for Occupational Therapy Education  
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Accreditation Review Committee on Education for  
Physician Assistant in concert with the Commission on  
Accreditation of Allied Health Education Programs\*  
Administration of Accounting Programs Group, American  
Accounting Association  
American Assembly of Collegiate Schools of Business\*  
American Association for Marriage and Family Therapy\*  
American Association of Colleges of Nursing  
American Association of Colleges for Teacher Education  
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American Chemical Society\*  
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American College of Sports Medicine  
American College of Nurse-Midwives\*  
American College Personnel Association  
American Council for Construction Education\*  
American Council on Education  
American Council of Learned Societies  
American Dietetic Association\*  
American Historical Association  
American Institute of Ultrasound in Medicine  
American Library Association  
American Music Therapy Association  
American Philosophical Association  
American Physical Therapy Association  
American Political Science Association  
American Society of Allied Health Professions  
American Society of Cytopathology  
American Speech-Language-Hearing Association\*  
Arts Advocates of North Carolina  
Association of Academic Health Centers  
Association of Academic Health Sciences Libraries  
Association of the Advancement of Health Education/  
Society of Public Health Educators\*  
Association of American Colleges  
Association of American Medical Colleges  
Association for the Care of Children's Health  
Association of College and Research Libraries  
Association of College and University Printers  
Association of College Unions-International  
Association of College and University Housing Officers-  
International  
Association of Collegiate Schools of Planning  
Association for Continuing Higher Education  
Association of Experiential Education  
Association for Gerontology in Higher Education  
Association of Governing Boards of Universities and  
Colleges  
Association on Higher Education and Disability  
Association of Higher Education Facilities Officers  
Association of Performing Arts Presenters  
Association of Physician Assistant Program  
Association of Southeastern Research Libraries  
Campus Safety Health and Environmental Management  
Association  
Coalition for Academic and Scientific Computation  
College and University Mail Services Association  
College and University Personnel Association  
College and University System Exchange  
Commission on the Accreditation of Allied Health  
Educational Programs in association with the American  
Health Information Management Association\*  
Commission on Accreditation in Physical Therapy\*  
Conference USA  
Cooperative Education Association, Inc.  
Corporation for Research and Educational Networking  
Council for the Advancement and Support of Education  
Council of Colleges of Arts and Sciences  
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Fulbright Association  
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Programs/Joint Review Committee on Educational  
Programs in Athletic Training\*  
International Association of Campus Law Enforcement  
Administrators  
International Association of Counseling Services  
International Association of Management Education  
International Association of Performing Arts Administrators  
International Dance Education Association  
International Parking Institute Congress  
International Publishing Management Association  
International Technology Education Association  
International Ticketing Association  
Intrafilm  
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Joint Commission on Accreditation of Healthcare  
Organizations  
Liaison Committee on Medical Education\*  
Medical Library Association  
Music Library Association  
National Accrediting Agency for Clinical Laboratory  
Sciences\*  
National Association for Business Teacher Education  
National Association of Campus Activities  
National Association of Campus Card Users  
National Association of College Stores  
National Association of College and University Business  
Officers  
National Association of College and University Food  
Services  
National Association of College Auxiliary Services  
National Association of College Law Enforcement Officers  
National Association of Colleges and Employers

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|---|---|
| National Association of Collegiate Concessionaires  | National Network of Libraries of Medicine   |
| National Association for the Education of Young Children*                                   | National Recreation and Parks Association/American Association for Leisure and Recreation Council on Accreditation* |
| National Association of Educational Buyers  | National Safety Council   |
| National Association of Foreign Student Advisors  | National University Continuing Education Association  |
| National Association of Industrial Technology*  | North Carolina Alliance of Allied Health Professions  |
| National Association of School Psychologist   | North Carolina Association of Colleges and Universities   |
| National Association of Schools of Art and Design*  | North Carolina Association of International Educators   |
| National Association of Schools of Music*   | North Carolina Board of Nursing*  |
| National Association of Schools of Public Affairs and Administration*                       | North Carolina Department of Justice, Criminal Justice Standards Division*  |
| National Association of State Universities and Land Grant Colleges; Board on Human Sciences | North Carolina State Board of Education*  |
| National Association of Student Financial Aid Administrators                                | Oak Ridge Associated Universities   |
| National Association of Student Personnel Administrators                                    | Society for College and University Planning   |
| National Collegiate Athletic Association (NCAA)   | Southeastern Association of Colleges and Employers  |
| National Collegiate Honors Council  | Southern Association of Colleges and Schools*   |
| National Commission for Cooperative Education   | Southern Association of College and University Business Officers  |
| National Council for Accreditation of Environmental Health Curricula                        | Southern Building Code Congress International   |
| National Council for Accreditation of Teacher Education*                                    | Southern Conference of Graduate Schools   |
| National Council for Exceptional Children   | The College Board   |
| National Council of University Research Administrators                                      | The Renaissance Group   |
| National Environmental Health Science and Protection Accreditation Council*                 | University Consortium for International Programs  |
| National Humanities Alliance  | University Corporation for Advanced Internet Development  |
| National Intramural-Recreational Sports Association   | University of North Carolina Exchange Program   |
| National Kitchen and Bath Association*  | University Risk Management Insurance Association  |
| National League for Nursing Accrediting Commission*   |   |

Other organizations in the individual disciplines. East Carolina University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone Number 404-679-4501) to award bachelor's, master's, and doctoral degrees. Approved for Teacher Certification by the North Carolina State Board of Education.

## UNIVERSITY CALENDARS 2002-2003\*

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Official university calendars, which incorporate any modifications to the printed calendars below, are maintained by the East Carolina University Faculty Senate office and may be accessed at <http://www.ecu.edu/fsonline>

### SUMMER SESSION 2002 FIRST TERM

(Actual class days: 4 Mondays, 6 Tuesdays, 5 Wednesdays, 5 Thursdays, 5 Fridays, 1 registration day, 1 final exam day)

|                           |  |
|---------------------------|--|
| <b>March 15, Friday</b>   | Last day to apply for admission to Graduate School for first summer term   |
| <b>May 17, Friday</b>     | Schedules canceled for all who have not paid fees by 4:00 p.m.   |
| <b>May 20, Monday</b>     | Registration and schedule changes  |
| <b>May 21, Tuesday</b>    | Classes begin; late registration; schedule changes   |
| <b>May 22, Wednesday</b>  | Last day for late registration and schedule changes (drop and add) for first term  |
| <b>May 23, Thursday</b>   | Last day for schedule changes (add only).  |
| <b>May 27, Monday</b>     | State holiday (no classes)   |
| <b>June 4, Tuesday</b>    | Last day for undergraduate students to drop term-length courses or withdraw from school without grades. Block courses may be dropped only during the first 40 percent of their regularly scheduled class meetings. |
| <b>June 19, Wednesday</b> | Last day for graduate students to drop courses without grades  |
| <b>June 25, Tuesday</b>   | Classes end. Last day to submit grade replacement requests.  |
| <b>June 26, Wednesday</b> | Final examinations   |

### SECOND TERM

(Actual class days: 5 Mondays, 5 Tuesdays, 5 Wednesdays, 5 Thursdays, 5 Fridays, 1 registration day, 1 final exam day)

|                           |  |
|---------------------------|--|
| <b>May 1, Wednesday</b>   | Last day to apply for admission to Graduate School for second summer term  |
| <b>June 24, Monday</b>    | Schedules canceled for all who have not paid fees by 4:00 p.m.   |
| <b>June 26, Wednesday</b> | Registration and schedule changes  |
| <b>June 27, Thursday</b>  | Classes begin; late registration; schedule changes   |
| <b>June 28, Friday</b>    | Last day for late registration and schedule changes (drop and add) for second term   |
| <b>July 1, Monday</b>     | Last day for schedule changes (add only).  |
| <b>July 4, Thursday</b>   | State holiday (no classes)   |
| <b>July 11, Thursday</b>  | Last day for undergraduate students to drop term-length courses or withdraw from school without grades. Block courses may be dropped only during the first 40 percent of their regularly scheduled class meetings. |
| <b>July 22, Monday</b>    | Last day to submit thesis to Graduate School for completion of degree in summer session  |
| <b>July 26, Friday</b>    | Last day for graduate students to drop courses without grades  |
| <b>August 1, Thursday</b> | Classes end. Last day to submit grade replacement requests.  |
| <b>August 2, Friday</b>   | Final examinations; last day to submit appeals for readmission for fall semester   |
| <b>August 3, Saturday</b> | Summer session ends  |

\*Main Campus, Greenville. See supplements for off-campus centers, obtainable from the Division of Continuing Studies, East Carolina University, Greenville, North Carolina 27858-4353.



### WEEKEND UNIVERSITY CLASSES

(Actual class days: 10 Fridays, 10 Saturdays, 2 final exam days)

|                                       |   |
|---------------------------------------|---|
| <b>May 17, Friday</b>                 | Registration and schedule changes; classes begin                    |
| <b>May 21, Tuesday</b>                | Last day for class schedule changes (drop and add).                 |
| <b>June 11, Tuesday</b>               | Last day to drop a class or to withdraw from school without grades. |
| <b>July 5-6<br/>Friday-Saturday</b>   | 6:30 p.m., State holiday begins (no classes on Friday or Saturday)  |
| <b>July 27, Saturday</b>              | Classes end. Last day to submit grade replacement requests.         |
| <b>August 2-3<br/>Friday-Saturday</b> | Final examinations  |
| <b>August 3, Saturday</b>             | Summer session ends   |

**FALL SEMESTER 2002**

(Actual class days: 15 Mondays, 14 Tuesdays, 15 Wednesdays, 15 Thursdays, 15 Fridays, 15 Saturdays.)

|  |   |
|--|---|
| <b>June 3, Monday</b>                              | Last day to apply for admission to Graduate School for the fall semester.   |
| <b>August 2, Friday</b>                            | Last day to submit appeals for readmission for fall semester.   |
| <b>August 9, Friday</b>                            | Schedules canceled for all who have not paid fees by 4:00 p.m.  |
| <b>August 12, Monday</b>                           | Fall semester fees accepted with late processing fee.   |
| <b>August 16, Friday</b>                           | 6:30 p.m. Weekend Program classes begin.  |
| <b>August 19, Monday</b>                           | Faculty meetings.   |
| <b>August 20, Tuesday</b>                          | Advising and schedule adjustments.  |
| <b>August 21, Wednesday</b>                        | Classes begin.  |
| <b>August 22, Thursday</b>                         | Last day for Weekend Program schedule changes (drop and add).   |
| <b>August 27, Tuesday</b>                          | Last day for late registration and schedule changes (drop and add).   |
| <b>August 28, Wednesday</b>                        | Last day for schedule changes (add only).   |
| <b>August 30, Friday</b>                           | 6:30 p.m., Weekend Program Labor Day holiday begins (no classes).   |
| <b>September 2, Monday</b>                         | Labor Day holiday (no classes).   |
| <b>September 3, Tuesday</b>                        | State holiday makeup day (classes which would have met on Monday, September 2, will meet on this day so there will effectively be the same number of Mondays and Tuesdays as every other weekday during the semester; Tuesday classes will not meet.) This does not apply to Weekend Program classes.                             |
| <b>September 4, Wednesday</b>                      | Last day to apply for graduation in December.   |
| <b>October 2, Wednesday</b>                        | Last day for undergraduate students to drop term-length courses or withdraw from school without grades. Block courses may be dropped only during the first 40 percent of their regularly scheduled class meetings. Last day for undergraduate students to drop a Weekend Program class or to withdraw from school without grades. |
| <b>October 11, Friday</b>                          | 6:30 p.m., Weekend Program Fall Break begins (no classes).  |
| <b>October 12-15<br/>Saturday-Tuesday</b>          | Fall Break.   |
| <b>October 16, Wednesday</b>                       | 8:00 a.m. Classes resume.   |
| <b>November 4, Monday</b>                          | Registration for spring semester 2003 begins.   |
| <b>November 19, Tuesday</b>                        | Last day to remove incompletes given during spring and/or summer session 2002.  |
| <b>November 27-December 1<br/>Wednesday-Sunday</b> | Thanksgiving break.   |
| <b>December 2, Monday</b>                          | 8:00 a.m. classes resume. Last day for graduate students to drop courses without grades.  |
| <b>December 3, Tuesday</b>                         | Last day to submit thesis to the Graduate School for completion of degree in this term.   |
| <b>December 10, Tuesday</b>                        | Classes end. Last day for submission of grade replacement requests.   |
| <b>December 11, Wednesday</b>                      | Regular exams begin.  |
| <b>December 13-14<br/>Friday-Saturday</b>          | Weekend Program exams.  |

UNIVERSITY CALENDARS

December 14, Saturday Commencement.

December 18, Wednesday 6:00 p.m. Exams for fall semester close; last day to submit appeals for readmission for spring semester.

EXAMINATION SCHEDULE  
FALL SEMESTER 2002

There will be no departure from the printed schedule, except as noted below: All examinations for one credit hour classes will be held during the last regular meeting of the class. Classes meeting more than three times a week will follow the examination schedule for MWF classes.

Examinations in undergraduate classes meeting at night will be held at 7:30-9:30 p.m. on the first night of their usual meeting during the examination period (December 11-December 18). Graduate classes meeting at night will hold their examination during their regular class times the first class night during the examination period. Classes meeting on Saturday morning will have the final examination on Saturday, December 14, at the usual hour at which the class meets. Weekend Program classes will have exams on Friday and Saturday (December 13-December 14) at the usual hour at which the class meets.

Those classes beginning between hours or meeting more than one hour will have the final examination at the time scheduled of the hour during which the class begins (e.g., a 9:30-11:00 a.m. TTh class will meet the examination schedule of the 9:00 a.m. TTh class; an 8:00-10:00 a.m. MWF class will meet the examination schedule of the 8:00 a.m. MWF class)

Common examinations will be held according to the following schedule:

|   |                                  |
|---|----------------------------------|
| CHEM 1121, 1131, 1151, 1161 .....                 | 5:00-7:00 Wednesday, December 11 |
| CHEM 0150, 1120, 1130, 1150, 1160 .....           | 5:00-7:00 Thursday, December 12  |
| FREN 1001, 1003; SPAN 1001, 1004; GERM 1001 ..... | 5:00-7:00 Friday, December 13    |
| MATH 1065 .....                                   | 5:00-7:00 Monday, December 16    |
| FREN 1002; SPAN 1002, 1003; GERM 1002 .....       | 5:00-7:00 Tuesday, December 17   |
| ECON 2113, 2133 .....                             | 5:00-7:00 Wednesday, December 18 |

Times class regularly meets

Time and day of examination

|                   |                                     |
|-------------------|-------------------------------------|
| 8:00 MWF          | 8:00 - 10:00 Wednesday, December 18 |
| 8:00 TTh          | 8:00 - 10:00 Tuesday, December 17   |
| 9:00 MWF          | 8:00 - 10:00 Friday, December 13    |
| 9:00 TTh (9:30)   | 8:00 - 10:00 Thursday, December 12  |
| 10:00 MWF         | 8:00 - 10:00 Monday, December 16    |
| 10:00 TTh         | 8:00 - 10:00 Wednesday, December 11 |
| 11:00 MWF         | 11:00 - 1:00 Wednesday, December 18 |
| 11:00 TTh         | 11:00 - 1:00 Tuesday, December 17   |
| 12:00 MWF         | 11:00 - 1:00 Friday, December 13    |
| 12:00 TTh (12:30) | 11:00 - 1:00 Thursday, December 12  |
| 1:00 MWF          | 11:00 - 1:00 Monday, December 16    |
| 1:00 TTh          | 11:00 - 1:00 Wednesday, December 11 |
| 2:00 MWF          | 2:00 - 4:00 Wednesday, December 18  |
| 2:00 TTh          | 2:00 - 4:00 Tuesday, December 17    |
| 3:00 MWF (3:30)   | 2:00 - 4:00 Friday, December 13     |
| 3:00 TTh (3:30)   | 2:00 - 4:00 Thursday, December 12   |
| 4:00 MWF          | 2:00 - 4:00 Monday, December 16     |
| 4:00 TTh          | 2:00 - 4:00 Wednesday, December 11  |
| 5:00 MWF          | 5:00 - 7:00 Monday, December 16     |
| 5:00 TTh          | 5:00 - 7:00 Thursday, December 12   |

**SPRING SEMESTER 2003**

(Actual class days: 14 Mondays, 16 Tuesdays, 16 Wednesdays, 15 Thursdays, 14 Fridays, 14 Saturdays.  
Effective class days: 15 Mondays, 15 Tuesdays, 15 Wednesdays, 15 Thursdays, 15 Fridays, 14 Saturdays.)

|  |  |
|--|--|
| <b>October 15, Tuesday</b>             | Last day to apply for admission to Graduate School for the spring semester.  |
| <b>December 18, Wednesday</b>          | Last day to submit appeals for readmission for spring semester.  |
| <b>December 20, Friday</b>             | Spring semester fees accepted with late processing fee.  |
| <b>January 6, Monday</b>               | Class schedules canceled for all who have not paid fees by 4:00 p.m.   |
| <b>January 7, Tuesday</b>              | Classes begin; late registration; schedule changes.  |
| <b>January 10, Friday</b>              | 6:30 p.m., Weekend Program classes begin.  |
| <b>January 13, Monday</b>              | Last day for late registration and schedule changes (drop and add).  |
| <b>January 14, Tuesday</b>             | Last day for schedule changes (add only). Last day for Weekend Program schedule changes.   |
| <b>January 20, Monday</b>              | State holiday (no classes).  |
| <b>January 21, Tuesday</b>             | State holiday makeup day (Classes which normally would have met on Monday, January 20, will meet on this day so that there will effectively be the same number of Mondays and Tuesdays as every other weekday during the semester; Tuesday classes will not meet). This does not apply to Weekend Program classes.   |
| <b>January 21, Tuesday</b>             | Last day to apply for graduation in May.   |
| <b>February 18, Tuesday</b>            | Last day for undergraduate students to drop term-length courses or withdraw from school without grades. Block courses may be dropped only during the first 40 percent of their regularly scheduled class meetings.   |
| <b>February 18, Tuesday</b>            | Last day for undergraduate students to drop Weekend Program class or withdraw from school without grades.  |
| <b>March 1, Saturday</b>               | Weekend Program classes meet.  |
| <b>March 2-9<br/>Sunday - Sunday</b>   | Spring Break.  |
| <b>March 10, Monday</b>                | 8:00 a.m. Classes resume.  |
| <b>March 24, Monday</b>                | Registration for summer session and fall semester 2003 begins.   |
| <b>April 8, Tuesday</b>                | Last day to remove incompletes given during fall semester 2002.  |
| <b>April 17, Thursday</b>              | Last day for graduate students to drop courses without grades.   |
| <b>April 18-19<br/>Friday-Saturday</b> | State holiday (no classes).  |
| <b>April 21, Monday</b>                | Last day to submit thesis to the Graduate School for completion of degree in this term.  |
| <b>April 26, Saturday</b>              | Weekend Program classes end.   |
| <b>April 30, Wednesday</b>             | State holiday makeup day (Classes which normally would have met on Friday, April 18, will meet on this day so that there will effectively be the same number of Wednesdays and Fridays as every other weekday during the semester; Wednesday classes will not meet). This does not apply to Weekend Program classes. |
| <b>April 30, Wednesday</b>             | Classes end. Last day for submission of grade replacement requests.  |

UNIVERSITY CALENDARS

|                            |  |
|----------------------------|--|
| May 1, Thursday            | Regular exams begin.                       |
| May 2-3<br>Friday-Saturday | Weekend Program exams.                     |
| May 8, Thursday            | 7:00 p.m. Exams for spring semester close. |
| May 10, Saturday           | Commencement.                              |

EXAMINATION SCHEDULE  
SPRING SEMESTER 2003

There will be no departure from the printed schedule, except as noted below: All examinations for one credit hour classes will be held during the last regular meeting of the class. Classes meeting more than three times a week will follow the examination schedule for MWF classes.

Examinations in undergraduate classes meeting at night will be held at 7:30-9:30 p.m. on the first night of their usual meeting during the examination period (May 1-May 8). Graduate classes meeting at night will hold their examination during their regular class times the first class night during the examination period. Classes meeting on Saturday morning will have the final examination on Saturday, May 3, at the usual hour at which the class meets. Weekend Program classes will have exams on Friday and Saturday (May 2-May 3) at the usual hour at which the class meets.

Those classes beginning between hours or meeting more than one hour will have the final examination at the time scheduled of the hour during which the class begins (e.g., a 9:30-11:00 a.m. TTh class will meet the examination schedule of the 9:00 a.m. TTh class; an 8:00-10:00 a.m. MWF class will meet the examination schedule of the 8:00 a.m. MWF class)

Common examinations will be held according to the following schedule:

|   |                            |
|---|----------------------------|
| CHEM 1121, 1131, 1151, 1161 .....                 | 5:00-7:00 Thursday, May 1  |
| FREN 1001, 1003; SPAN 1001, 1004; GERM 1001 ..... | 5:00-7:00 Friday, May 2    |
| MATH 1065 .....                                   | 5:00-7:00 Monday, May 5    |
| FREN 1002; SPAN 1002, 1003; GERM 1002 .....       | 5:00-7:00 Tuesday, May 6   |
| ECON 2113, 2133 .....                             | 5:00-7:00 Wednesday, May 7 |
| CHEM 0150, 1120, 1130, 1150, 1160 .....           | 5:00-7:00 Thursday, May 8  |

Times class regularly meets

8:00 MWF  
8:00 TTh  
9:00 MWF  
9:00 TTh (9:30)  
10:00 MWF  
10:00 TTh  
11:00 MWF  
11:00 TTh  
12:00 MWF  
12:00 TTh (12:30)  
1:00 MWF  
1:00 TTh  
2:00 MWF  
2:00 TTh  
3:00 MWF (3:30)  
3:00 TTh (3:30)  
4:00 MWF  
4:00 TTh  
5:00 MWF  
5:00 TTh

Time and day of examination

8:00 - 10:00 Monday, May 5  
8:00 - 10:00 Tuesday, May 6  
8:00 - 10:00 Wednesday, May 7  
8:00 - 10:00 Thursday, May 8  
8:00 - 10:00 Friday, May 2  
8:00 - 10:00 Thursday, May 1  
11:00 - 1:00 Monday, May 5  
11:00 - 1:00 Tuesday, May 6  
11:00 - 1:00 Wednesday, May 7  
11:00 - 1:00 Thursday, May 8  
11:00 - 1:00 Friday, May 2  
11:00 - 1:00 Thursday, May 1  
2:00 - 4:00 Monday, May 5  
2:00 - 4:00 Tuesday, May 6  
2:00 - 4:00 Wednesday, May 7  
2:00 - 4:00 Thursday, May 8  
2:00 - 4:00 Friday, May 2  
2:00 - 4:00 Thursday, May 1  
5:00 - 7:00 Monday, May 5  
5:00 - 7:00 Tuesday, May 6

**SUMMER SESSION 2003****FIRST TERM**

(Actual class days: 4 Mondays, 6 Tuesdays, 5 Wednesdays, 5 Thursdays, 5 Fridays, 1 registration day, 1 final exam day)

|                           |  |
|---------------------------|--|
| <b>March 16, Monday</b>   | Last day to apply for admission to Graduate School for first summer term   |
| <b>May 16, Friday</b>     | Schedules canceled for all who have not paid fees by 4:00 p.m.   |
| <b>May 19, Monday</b>     | New student registration and schedule changes  |
| <b>May 20, Tuesday</b>    | Classes begin; late registration; schedule changes   |
| <b>May 21, Wednesday</b>  | Last day for late registration and schedule changes (drop and add) for first term  |
| <b>May 22, Thursday</b>   | Last day for schedule changes (add only).  |
| <b>May 26, Monday</b>     | State holiday (no classes)   |
| <b>June 3, Tuesday</b>    | Last day for undergraduate students to drop term-length courses or withdraw from school without grades. Block courses may be dropped only during the first 40 percent of their regularly scheduled class meetings. |
| <b>June 18, Wednesday</b> | Last day for graduate students to drop courses without grades  |
| <b>June 24, Tuesday</b>   | Classes end. Last day to submit grade replacement requests.  |
| <b>June 25, Wednesday</b> | Final examinations   |

**SECOND TERM**

(Actual class days: 5 Mondays, 5 Tuesdays, 5 Wednesdays, 6 Thursdays, 4 Fridays, 1 registration/schedule change day, 1 final exam day)

|                           |  |
|---------------------------|--|
| <b>May 1, Thursday</b>    | Last day to apply for admission to Graduate School for second summer term  |
| <b>June 23, Monday</b>    | Schedules canceled for all who have not paid fees by 4:00 p.m.   |
| <b>June 25, Wednesday</b> | New student registration and schedule changes  |
| <b>June 26, Thursday</b>  | Classes begin; late registration; schedule changes   |
| <b>June 27, Friday</b>    | Last day for late registration and schedule changes (drop and add) for second term   |
| <b>July 30, Monday</b>    | Last day for schedule changes (add only).  |
| <b>July 4, Friday</b>     | State holiday (no classes)   |
| <b>July 10, Thursday</b>  | Last day for undergraduate students to drop term-length courses or withdraw from school without grades. Block courses may be dropped only during the first 40 percent of their regularly scheduled class meetings. |
| <b>July 21, Monday</b>    | Last day to submit thesis to Graduate School for completion of degree in summer session  |
| <b>July 25, Friday</b>    | Last day for graduate students to drop courses without grades  |
| <b>July 31, Thursday</b>  | Classes end. Last day to submit grade replacement requests.  |
| <b>August 1, Friday</b>   | Final examinations; last day to submit appeals for readmission for fall semester   |

**WEEKEND UNIVERSITY CLASSES**

(Actual class days: 10 Fridays, 10 Saturdays, 2 final exam days)

|                                       |   |
|---------------------------------------|---|
| <b>May 16, Friday</b>                 | Registration and schedule changes; classes begin                    |
| <b>May 20, Tuesday</b>                | Last day for class schedule changes (drop and add).                 |
| <b>June 10, Tuesday</b>               | Last day to drop a class or to withdraw from school without grades. |
| <b>July 4-5<br/>Friday-Saturday</b>   | 6:30 p.m., State holiday begins (no classes on Friday or Saturday)  |
| <b>July 26, Saturday</b>              | Classes end. Last day to submit grade replacement requests.         |
| <b>August 1-2<br/>Friday-Saturday</b> | Final examinations  |

## UNIVERSITY BULLETINS

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East Carolina University publishes the following bulletins, which may be obtained from the offices noted:

The View Book – Director of Admissions

Undergraduate Catalog – Student Stores

Graduate Catalog – Dean of the Graduate School

Graduate School Program Information – Dean of the Graduate School

Schedule of Courses – Registrar

Bulletins of the Division of Continuing Studies – Director of Continuing Studies

Distance Education Course Announcements

Noncredit Courses



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## **MISSION OF EAST CAROLINA UNIVERSITY**

East Carolina University, a constituent institution of The University of North Carolina, is a public doctoral university committed to meeting the educational needs of North Carolina and the mid-Atlantic region. It offers baccalaureate, master's, specialist, and doctoral degrees in the liberal arts, sciences, and professional fields, including medicine. The university is dedicated to educational excellence, responsible stewardship of the public trust, and academic freedom. ECU values the contributions of a diverse community, supports shared governance, and guarantees equality of opportunity.

The university's motto is "servire," meaning "to serve." The university seeks to meet that obligation through the interrelated components of its mission: service through education, research and creative activity and leadership and partnership.

The educational mission is to provide students with a rich, distinctive undergraduate and graduate educational experience. The university is committed to developing each learner's ability to discover, evaluate, and communicate knowledge; to make informed decisions; and to recognize a decision's ethical dimensions. The university also is committed to imparting a sense of citizenship and personal responsibility, fostering lifelong learning, and nurturing an understanding of the interdependencies of people and their environments.

ECU's research mission serves to advance knowledge, to encourage creative activity, to solve significant human problems, and to provide the foundation for professional practice through the support of basic and applied research. The university is committed to integrating research and creative activities in the educational experiences of students. It also is committed to enriching culture and being a leader in innovative research applications.

The service mission of East Carolina University, as an institution with a tradition of strong regional ties and public outreach, is to provide leadership and to engage in partnerships supporting public education, health care and human services, cultural activities, and regional development.

## **EAST CAROLINA UNIVERSITY AFFIRMATIVE ACTION/EQUAL OPPORTUNITY POLICY**

East Carolina University is committed to equality of opportunity and does not discriminate against applicants, students, or employees based on race, religion, color, creed, national origin, sex, age, sexual orientation, or disability.

All employment decisions will be made so as to further the principle of equal employment opportunity. The university will recruit, hire, train, and promote persons in all positions without regard to race, religion, color, creed, national origin, sex, age, or disability. Consistent with this principle, all promotion decisions will be made using valid requirements and all personnel actions (such as compensation, benefits, transfers, layoffs, return from layoff, university sponsored training, education, tuition assistance, and social and recreational programs) will be administered without regard to race, religion, color, creed, sex, national origin, age, sexual orientation, or disability.

This policy on nondiscrimination and the Affirmative Action Program of East Carolina University are consistent with and pursuant to the guidelines set forth in Executive Order 11246 and its implementing regulations. The Affirmative Action Program implements guidelines set forth under Title VII of the Civil Rights Act of 1964, the Rehabilitation Act of 1973, the Age Discrimination In Employment Act of 1976, the Vietnam Veterans Readjustment Assistance Act of 1974 as amended, and the Americans with Disabilities Act of 1992.

The university's policy is consistent with NCGS 126-16: "All State ... agencies ... of North Carolina shall give equal opportunity for employment without regard to race, religion, color, creed, national origin, sex, age, or handicapping condition to all persons qualified, except where specific age, sex, or physical requirements constitute bona fide occupational qualifications necessary to proper and efficient administration. This section with respect to equal opportunity as to age shall be limited to individuals who are at least forty years of age but less than seventy years of age." It is also consistent with *The Code of The University of North Carolina*, Section 103: "Admission to, employment by, and promotion in The University of North Carolina and all of its constituent institutions shall be on the basis of merit and there shall be no discrimination on the basis of race, color, creed, religion, sex, or national origin."

The responsibility for implementation of this plan rests with the chancellor. The vice chancellors, dean of the College of Arts and Sciences, deans of professional schools, departmental chairpersons, and principal administrative directors are responsible for assisting him in implementing these policies. These responsibilities also include coordination of the university's

## SECTION 1: GENERAL INFORMATION

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efforts to comply with all applicable aspects of the Americans with Disabilities Act of 1992. They will assure that decisions involving recruitment, selection, appointment, and promotion of faculty and staff at all levels are made in a nondiscriminatory manner and in accordance with the goals of the ECU Affirmative Action Plan.

The chancellor has also appointed the EEO officer to coordinate all aspects of the Affirmative Action Plan, initiate programs to assist in reaching the goals of the Affirmative Action Plan, maintain a record system, identify problem areas, monitor progress, and assist faculty, staff, and students to resolve problems. These responsibilities also include coordination of the university's efforts to comply with all applicable aspects of the Americans with Disabilities Act of 1992.

Any student of East Carolina University who has a complaint of discrimination should follow the procedure outlined in the student handbook, *The Clue Book*. Current, former, or prospective faculty or staff who have a complaint should follow the procedures outlined in the *Faculty Manual* or the *East Carolina University Business Manual*. The EEO officers will provide information to any individual concerning the appropriate grievance procedures.

Copies of the Affirmative Action Plan are available in the Office of Equal Opportunity and via the Internet at [www.ecu.edu/eoo](http://www.ecu.edu/eoo).

This Affirmative Action Plan will be evaluated annually and a report prepared by the EEO officer for review by the chancellor. The EEO officer is Taffye Benson Clayton. The associate EEO officer is Amy Waters. The Office of Equal Opportunity Programs is located in 104 Spilman; telephone 252-328-6804.

## NOTICE OF NONDISCRIMINATION

East Carolina 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, sexual orientation, age, or disability.

East Carolina University supports the protections available to members of its community under all applicable federal laws, including Titles VI and VII of the Civil Rights Act of 1964; Title IX of the Education Amendments of 1972; Section 799A and 845 of the Public Health Service Act; the Equal Pay Act; the Age Discrimination Act of 1975; the Rehabilitation Act of 1973, as amended by the Rehabilitation Act Amendments of 1974; the Vietnam Era Veterans Readjustment Assistance Act of 1974; the Americans with Disabilities Act of 1992; and Executive Order 11246, as amended by Executive Order 11375.

In compliance with Section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act of 1992, accommodations of the disabled extend to student programs, employment practices, elimination of physical barriers, and special assistance to disabled students and employees within the university.

This nondiscrimination policy covers admission, readmission, access to, and treatment and employment in university programs and activities, including, but not limited to, academic admissions, financial aid, any services, and employment.

Any student who believes that he or she has been discriminated against by the university because of his or her race, color, national origin, religion, gender, age, sexual orientation, or disability may speak with the director of the Office of Student Conflict Resolution, Mary Louise Antieau, 201 Whichard Building, East Carolina University. Following that discussion, a student who wishes to file a formal or informal grievance will be directed to the appropriate office. Any member of the university community desiring information or having a complaint or grievance in regard to these provisions should contact the assistant to the chancellor/EEO officer, Taffye Benson Clayton, 104 Spilman, East Carolina University, Greenville, NC 27858-4353; telephone 252-328-6804 or the associate EEO officer.

## SEXUAL HARASSMENT PREVENTION PLAN, POLICY, AND GRIEVANCE PROCEDURE FOR COMPLAINTS OF SEXUAL HARASSMENT

Sexual harassment and discrimination are illegal and endanger the environment of tolerance, civility, and mutual respect that must prevail if the university is to fulfill its mission. East Carolina University is committed to providing and promoting an atmosphere in which employees can realize their maximum potential in the work place and students can engage fully in the learning process. Further, amorous relations between a student and a university employee who is responsible for supervising or evaluating the student, or between an employee and the person supervising that employee may derogate the merit principle of supervision and evaluation. This policy is the university's statement of its intent to prohibit sexual harassment and discrimination and to prohibit amorous relations between the university's employees and students, and employees and supervisors when these relations create a risk of favoritism.

The following constitute sexual harassment: making verbal remarks or committing physical actions that propose to people of either sex that they engage in or tolerate activities of a sexual nature in order to avoid some punishment or to receive some reward; singling out people of either sex and creating or attempting to create a hostile university or working environment or otherwise attempting to harm or harming people because of their sex; and continuing verbal or physical conduct of a sexual nature when the person the conduct is directed toward has indicated clearly, by word or action, that this conduct is unwanted.

Sexual discrimination consists of actions that subject employees or students to unequal treatment on the basis of their sex.

It is the responsibility of members of the university community to strive to create an environment free of sexual harassment and discrimination and free of unprofessional bias in the supervision and evaluation of students and employees. It is against the policies of East Carolina University for its employees or students to propose to other employees or students that they engage in or tolerate activities of a sexual nature in order to avoid some punishment or to receive some reward; to create a hostile university or work place environment for an individual or group because of the individual's or the group's sex; to continue verbal or physical conduct of a sexual nature when the employees or students of the university such conduct is directed toward have indicated clearly, by word or action, that such conduct is unwanted; to engage in consensual amorous relationships with students or other university employees whom the employee is or will be supervising or evaluating; and to subject other employees or students to unequal treatment on the basis of their sex.

Complaints brought against East Carolina University students by East Carolina University students, faculty, staff, administrators, or visitors are governed by the grievance procedures presented in *The Clue Book*.

Complaints brought against East Carolina University staff by East Carolina University students, faculty, staff, administrators, or visitors are governed by the grievance procedures stated in the *East Carolina University Business Manual*, Policy Statement 7: Employee Relations in the Human Resources Section.

Complaints brought against East Carolina University faculty members or administrators holding faculty status by East Carolina University students, faculty, staff, administrators, or visitors are governed by the grievance procedures presented in the *East Carolina University Faculty Manual*.

Any person having a complaint of sexual harassment should contact Taffye Benson Clayton, equal employment opportunity officer, 104 Spilman; telephone 252-328-6804. The associate EEO officer is Amy Waters, whose office is located in the Taylor-Slaughter Alumni Center, 901 East Fifth Street, telephone 252-328-1957.

## HISTORY OF THE UNIVERSITY

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of The University of North Carolina. East Carolina University is one of sixteen constituent institutions of the multicampus state university.

The University of North Carolina, chartered by the NC General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of The University of North Carolina was at Chapel Hill.

In 1877, the NC General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions and another was founded to educate American Indians. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the NC 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 multicampus University operated with one board of trustees and one president. By 1969, three additional campuses had joined The University through legislative action: the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the General Assembly passed legislation bringing into The University of North Carolina the state's ten remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western

## **SECTION 1: GENERAL INFORMATION**

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Carolina University, and Winston-Salem State University. This action created the current sixteen-campus University. (In 1985, the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of The University and in 1996, Pembroke State University was renamed the University of North Carolina at Pembroke through legislative action.)

The University of North Carolina Board of Governors is the policy-making body legally charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." It elects the president, who administers The University. The thirty-two voting members of the Board of Governors are elected by the 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 nonvoting members emeriti. The president of The UNC Association of Student Governments, or that student's designee, is also a nonvoting member.

Each of the sixteen constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex-officio. (The NC School of the Arts has two additional ex-officio members.) Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

ORGANIZATION OF THE UNIVERSITY

THE UNIVERSITY OF NORTH CAROLINA BOARD OF GOVERNORS

Benjamin S. Ruffin, Chairman  
John F.A.V. Cecil, Vice Chairman  
G. Irvin Aldridge, Secretary

Terms Expiring in 2003

|                               |                |
|-------------------------------|----------------|
| J. Addison Bell .....         | Matthews       |
| F. Edward Broadwell, Jr. .... | Asheville      |
| William T. Brown .....        | Fayetteville   |
| Angela R. Bryant .....        | Rocky Mount    |
| William L. Burns, Jr. ....    | Durham         |
| C. Clifford Cameron .....     | Charlotte      |
| John W. Davis III .....       | Winston-Salem  |
| Peter Keber .....             | Charlotte      |
| Teena S. Little .....         | Southern Pines |
| Barbara S. Perry .....        | Kinston        |
| Patsy B. Perry .....          | Durham         |
| H. D. Reaves, Jr. ....        | Fayetteville   |
| Gladys Ashe Robinson .....    | Greensboro     |
| Benjamin S. Ruffin .....      | Winston-Salem  |
| Priscilla P. Taylor .....     | Chapel Hill    |
| Ruth Dial Woods .....         | Pembroke       |

Terms Expiring in 2005

|                             |             |
|-----------------------------|-------------|
| Bradley T. Adcock .....     | Durham      |
| G. Irvin Aldridge .....     | Manteo      |
| James G. Babb .....         | Charlotte   |
| Anne W. Cates .....         | Chapel Hill |
| John F.A.V. Cecil .....     | Asheville   |
| Bert Collins .....          | Durham      |
| Ray S. Farris .....         | Charlotte   |
| Dudley E. Flood .....       | Raleigh     |
| Hannah D. Gage .....        | Wilmington  |
| Willie J. Gilchrist .....   | Halifax     |
| H. Frank Grainger .....     | Cary        |
| Charles H. Mercer, Jr. .... | Raleigh     |
| Jim W. Phillips, Jr. ....   | Greensboro  |
| J. Craig Souza .....        | Raleigh     |
| Robert F. Warwick .....     | Wilmington  |
| J. Bradley Wilson .....     | Durham      |

Emeriti Members

|                               |                |
|-------------------------------|----------------|
| James E. Holshouser, Jr. .... | Southern Pines |
|-------------------------------|----------------|

Ex-Officio Member

R. Andrew Payne

THE UNIVERSITY OF NORTH CAROLINA OFFICERS OF ADMINISTRATION

|  |   |
|--|---|
| Molly Corbett Broad, BA, MA .....      | President   |
| Gretchen M. Bataille, BA, MA, DA ..... | Senior Vice President, Academic Affairs                             |
| Robyn Render, BS .....                 | Vice President, Information Resources and Chief Information Officer |

## SECTION 1: GENERAL INFORMATION

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|   |  |
|---|--|
| Charles R. Coble, AA, AB, MAT EdD ..... | Vice President, University-School Programs                   |
| Bart Corgnati, BS, MS .....             | Secretary of the University                                  |
| Russ Lea, BS, MA, PhD .....             | Vice President for Research and Sponsored Programs           |
| J. B. Milliken, BA, JD .....            | Vice President for Public Affairs and University Advancement |
| Leslie J. Winner, AB, JD .....          | Vice President and General Counsel                           |

### EAST CAROLINA UNIVERSITY BOARD OF TRUSTEES

|   |                      |
|---|----------------------|
| Thomas A. Bayliss, III .....                                  | New Bern, 2003       |
| Charles R. Franklin, Jr., Chairman .....                      | Elizabeth City, 2003 |
| Robert O. Hill, Jr. ....                                      | Kinston, 2005        |
| Michael W. Kelly .....  | Nags Head, 2003      |
| Dan V. Kinlaw .....   | Fayetteville, 2005   |
| Willie C. Martin .....  | Wilmington, DE, 2005 |
| J. Fielding Miller .....                                      | Raleigh, 2005        |
| Stephen D. Showfety, Secretary .....                          | Greensboro, 2003     |
| Betty S. Speir .....  | Bethel, 2003         |
| James R. Talton, Jr., Vice Chairman .....                     | Cary, 2005           |
| Margaret C. Ward. ....  | Burlington, 2005     |
| David Jordan Whichard, III .....                              | Greenville, 2003     |
| Sadie J. Cox, President, Student Government Association ..... | Ex-officio           |

### EAST CAROLINA UNIVERSITY OFFICERS OF ADMINISTRATION Office of the Chancellor

|                                       |   |
|---------------------------------------|---|
| William V. Muse, BS, MBA, PhD .....   | Chancellor  |
| James LeRoy Smith, BA, MA, PhD .....  | Executive Assistant to the Chancellor                   |
| Austin W. Bunch, BAEd, MEd, PhD ..... | Chief of Staff  |
| Mary Ann Rose, BSN, MSN, EdD .....    | Assistant to the Chancellor                             |
| Ben G. Irons II, AB, JD .....         | University Attorney                                     |
| Kris M. Smith, BS, MEd, PhD .....     | Interim Director of Planning and Institutional Research |
| Taffye Benson Clayton, BA, MA .....   | EEO Officer   |

### Academic Affairs

|  |   |
|--|---|
| Robert J. Thompson, BA, MA, PhD .....      | Interim Vice Chancellor for Academic Affairs  |
| A. Darryl Davis, BS, MAEd, EdD .....       | Associate Vice Chancellor for Distributed Education and Academic Information Technology                                 |
| Gary R. Lowe, BA, MSW, PhD .....           | Associate Vice Chancellor for Academic Administration and Special Programs  |
| Rita R. Reaves, BS, MA, CAS, EdD .....     | Associate Vice Chancellor for Academic Program Development  |
| David L. Watkins, BS, DEd .....            | Special Assistant to the Vice Chancellor for Academic Affairs<br>for Information Resources and Instructional Technology |
| Joe S. Gaddis, BSBA .....                  | Assistant Vice Chancellor for Budget and Resource Analysis  |
| Dianna B. Lowe, BA, MA .....               | Assistant Vice Chancellor for Personnel   |
| Angela R. Anderson, BA, MEd .....          | Registrar   |
| Michael F. Bassman, BA, MAT, MA, PhD ..... | Director, University Honors Program   |
| Rita Gonsalves, BA, MS, CAGS .....         | Interim Director, International Affairs   |
| Lauriston R. King, BA, MA, PhD .....       | Director, Doctoral Program in Coastal Resources Management  |
| Dorothy H. Muller, BA, MA, PhD .....       | Dean, Undergraduate Studies   |
| Max C. Poole, BS, PhD .....                | Associate Dean of the Graduate School   |
| Thomas E. Powell, Jr., BS, MS, PhD .....   | Director of Admissions  |
| Clayton Sessoms, BSL, MEd .....            | Director, Division of Continuing Studies  |
| Rose Mary Stelma, BA, MA .....             | Director, Financial Aid   |
| Paul D. Tschetter, BA, MA, PhD .....       | Interim Dean of the Graduate School   |
| Carroll H. Varner, BS, MA, MBA, PhD .....  | Director, Academic Library Services   |

### **Administration and Finance**

Richard Brown, BA, CPA ..... Executive Vice Chancellor and Vice Chancellor for Administration and Finance  
 Wayne E. Reed, BA, MSM ..... Associate Vice Chancellor for Administration and Finance–Business Services  
 George W. Harrell, AA, BSIE, MBA, PhD ..... Associate Vice Chancellor for Administration and Finance–Facilities  
 Stewart A. Mixon, BA, MA ..... Associate Vice Chancellor for Human Resources  
 Charles M. Hawkins, MSA, CPA ..... Associate Vice Chancellor for Financial Services  
 William S. Robinson, BS, CPA ..... Assistant Vice Chancellor for Administrative Services  
 Bruce L. Flye, Jr., AIA ..... Director of Campus Planning and Design  
 William R. Koch, BS, MSE ..... Director, Environmental Health and Safety

### **Health Sciences**

Phyllis Horns, BSN, MPH, DSN ..... Interim Vice Chancellor for Health Sciences  
 Thomas G. Irons, MD ..... Associate Vice Chancellor for Health Sciences  
 Gary R. Vanderpool, BA, MPH ..... Associate Vice Chancellor for Health Sciences Administration  
 Patricia S. Pollard, MPA ..... Assistant Vice Chancellor for Health Sciences Personnel  
 Linda M. Ingalls ..... Assistant Vice Chancellor for Health Sciences  
 David C. Balch, BA, MA ..... Director, Center for Health Sciences Communication  
 Terry R. Carter, BA ..... Vice President and Executive Director of the Medical Foundation  
 Tom Fortner, AB ..... Director, Medical Center News and Information  
 Susan S. Gustke, MD ..... Executive Director, Eastern AHEC  
 Gregory L. Hassler, JD ..... Associate University Attorney for Health Sciences  
 Christopher J. Mansfield, BA, MS, PhD ..... Director, Center for Health Services Research and Development  
 Dorothy A. Spencer, PhD ..... Director, Health Sciences Library

### **Institutional Advancement**

James L. Lanier, Jr., BS, MAEd ..... Vice Chancellor for Institutional Advancement and President, ECU Foundation, Inc.  
 J. Phillip Horne, BA, MA ..... Associate Vice Chancellor for Alumni Relations  
 Kathryn F. Yandell, BS, MBA ..... Associate Vice Chancellor for Institutional Advancement

### **Research, Economic Development, and Community Engagement**

Thomas L. Feldbush, BS, MT, MS, PhD ..... Vice Chancellor for Research, Economic Development, and Community Engagement  
 Albert A. Delia, BA ..... Associate Vice Chancellor for Economic and Community Development  
 Susan Gustke, BS, MD ..... Associate Vice Chancellor for Research, Agro Medicine Outreach  
 Edward Lieberman, BS, PhD ..... Assistant Vice Chancellor for Research and Graduate Studies, School of Medicine  
 Emilie S. Kane, BS, MS, MEd, EdD ..... Acting Director, Office of Sponsored Programs  
 William Queen, BS, MS, PhD ..... Director, Institute for Coastal and Marine Resources  
 Alan A. Schreier, BS, PhD ..... Director, Program Development and Coordinator of Institutional Compliance  
 Steven H. Sellers, BS, MAEd ..... Director, Office of Diving Safety  
 Martha J. S. Van Scott, BS ..... Director, Technology Transfer

### **Student Life**

Garrie Moore, BS, MAEd, EdD ..... Vice Chancellor for Student Life  
 Emanuele Amaro, BS, MBA ..... Associate Vice Chancellor for Student Experiences  
 Phebe Kerr, BS, MEd, EdD ..... Associate Vice Chancellor for Student Success  
 Frank Salamon, BS ..... Associate Vice Chancellor for Student Services  
 Kris M. Smith, BS, MEd, PhD ..... Associate Vice Chancellor for Administration  
 William B. Clutter, BA, MS ..... Assistant Vice Chancellor for Student Life/Student Experiences  
 Carolyn Miller, BS, MS ..... Assistant Vice Chancellor for Housing Services  
 Lynn Roeder, BA, MAEd, PhD ..... Assistant Vice Chancellor for Counseling, Career, and Student Development  
 Laura Sweet, BS, MS ..... Assistant Vice Chancellor for Student Life, Sorority/Fraternity Affairs  
 Lathan E. Turner, BS, MAEd, EdD ..... Assistant Vice Chancellor and Director of Intercultural Student Affairs  
 Vacant ..... Director, Student Life Research, Assessment, and Testing  
 Mary Louise Antieau, BA, MA, JD ..... Executive Assistant for Student Success and Director of Conflict Resolution

**SECTION 1: GENERAL INFORMATION**

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|                                 |  |
|---------------------------------|--|
| Joanna Iwata, BA, MA .....      | Director, Student Involvement; Interim Director, Adult and Commuter Services               |
| Karen M. Kus, BS, MA .....      | Director of Orientation and The First-Year Experience; Director, Office of Parent Services |
| Nellie J. Lewis, BS, MAEd ..... | Director, Ledonia Wright Cultural Center   |
| Nancy Mize, BS, MA .....        | Director, Recreational Services  |
| Michele Myers, BS, MEd .....    | Director, Student Leadership Development Program   |
| Liz Johnston, BA, MAEd .....    | Interim Director, Disability Support Services  |
| Vacant .....                    | Director, Career Services  |
| Kay Wilkerson, BS .....         | Director, Student Health Service   |

**Athletics**

|                                    |   |
|------------------------------------|---|
| Michael A. Hamrick, BA, MS .....   | Director of Athletics                                     |
| Ralph N. Floyd Jr, BS, MBA .....   | Senior Associate Director of Athletics                    |
| Craig W. Curtis, BS .....          | Assistant Director of Athletics, Operations and Equipment |
| Lee D. Workman, BS, MS .....       | Assistant Director of Athletics, Special Projects         |
| Darrell D. Bryant, BEd, MAEd ..... | Assistant Director of Athletics, Student Development      |
| Rosie Thompson, BS, MAEd .....     | Senior Woman Administrator/Director of Compliance         |
| Barry C. Brickman, BA, MS .....    | Business Manager  |
| Jeff Charles .....                 | Director, Electronic Media                                |
| Christopher R. Loney, BA, MS ..... | Director of Marketing                                     |
| D. Craig Wells, BS .....           | Director, Media Relations                                 |
| Dennis A. Young, BSBA .....        | Executive Director of the Pirate Club                     |

**Information and Technology and Computing Services**

|  |   |
|--|---|
| Jeffrey C. Huskamp, BS, MS, PhD .....  | Chief Information Officer                             |
| Woodrow W. Bolton .....                | Director of Operations                                |
| Robert L. Hudson, BSBA .....           | Director, Information Technology Services             |
| Joe R. Norris, BS .....                | Director, Information Technology Consulting           |
| Ernest G. Marshburn, BS, MS, MEd ..... | Director, Strategic Initiatives                       |
| Patsy Mills .....                      | Director, Project Relations                           |
| Jack McCoy, MBA .....                  | Director, Information Technology Security             |
| Vacant .....                           | Director, Administrative Services                     |
| Donald D. Sweet, AA, BS, MEd .....     | Director, Information Technology Software Development |



## CAMPUS AND BUILDINGS

The main campus encompasses over 400 acres in an urban forest setting within the city of Greenville and is convenient to both the downtown area and shopping centers. The campus is a pleasing mixture of architectural styles. Most of the four million square feet of academic, research, and residence facilities have modern appointments and are well equipped. The health sciences campus, located on 70 acres, houses the Brody School of Medicine and is the hub of the university's health sciences program. The west research campus is the newest addition to the university with over 450 acres and is the home for several research and graduate programs.

Since 1993, the university has spent over \$300 million for capital expansion. Joyner Library houses over one million volumes; student services have been enhanced by the addition of Todd Dining Facility and the Student Recreation Center. Dowdy Ficklen Stadium was expanded to 45,000 seats, and the health sciences complex has been expanded by the addition of the Warren Life Sciences Building. Major renovations have been completed on Jarvis Residence Hall, Student Health Services, the Wright Place, and the Blount Intramural Sports Complex. In 2000, the university began a six-year capital expansion that will exceed \$200 million. Campus beautification continues to be a priority with the goal of preserving and enhancing the charming character of the campus.

## COLLEGES, SCHOOLS, AND DIVISIONS

|  |  |
|--|--|
| Division of Academic Affairs                 | School of Human Environmental Sciences             |
| Academic Library Services                    | School of Industry and Technology                  |
| College of Arts and Sciences                 | School of Music                                    |
| Division of Continuing Studies               | School of Social Work and Criminal Justice Studies |
| Graduate School                              | Division of Health Sciences                        |
| Undergraduate Studies                        | Health Sciences Library                            |
| School of Art                                | School of Allied Health Sciences                   |
| School of Business                           | School of Medicine                                 |
| School of Computer Science and Communication | School of Nursing                                  |
| School of Education                          | Division of Research, Economic Development, and    |
| School of Health and Human Performance       | Community Engagement                               |

## DIVISION OF CONTINUING STUDIES

The Division of Continuing Studies extends educational opportunities to the people of North Carolina through distance education as well as by administering the university's summer school. In order to fulfill the needs of a widely diversified group of people, credit courses, both undergraduate and graduate, are offered at a variety of locations as well as over the Internet. To meet other needs of the service area, college-level noncredit courses, seminars, and workshops in special areas are also offered as an integral part of continuing studies. Division offices are located in Erwin Hall.

## DISTANCE EDUCATION

Graduate and undergraduate extension classes are offered at various locations throughout eastern North Carolina. In addition, the university offers full degree programs at Elizabeth City State University, on certain community college campuses, and through distance learning technologies. Visit [www.options.ecu.edu](http://www.options.ecu.edu) to review the distance education programs of the university.

Off-campus classes and workshops, both credit and noncredit, can be arranged for public school teachers, military and civil service personnel, business and industry, and others who have particular educational needs.

## UNIVERSITY COLLEGE

Persons admitted through the Performance-Based Admission Policy (nontraditional students) are assigned to the University College. The University College functions to advise nontraditional students until such time as they have satisfied the retention stipulations specified in their letters of admission. (See Section 3, Admission, University College.)

A student assigned to the University College is eligible to transfer either to the General College or to a school or department upon submission of appropriate documents and removal of any deficiencies. The student's record will be reviewed, and upon acceptance the student will be assigned to the appropriate unit.

## **SECTION 1: GENERAL INFORMATION**

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### **J. Y. JOYNER LIBRARY**

The main campus library at East Carolina University is Joyner Library, a facility containing 1,119,983 bound volumes, more than two million pieces of microform, and 2,706 serial titles. The newspaper files on microform are extensive and serve as an important library resource. As a selective depository for United States Government publications, Joyner Library contains over 918,218 international, federal, and state documents and 101,586 maps.

The East Carolina University Archives, a depository for the university's historical, administrative, and legal records, is located in Joyner Library.

The East Carolina Manuscript Collection is located within the special collections department of Joyner Library. This repository contains approximately 4,585 linear feet of records. Holdings of the collection include letters, diaries, speeches, scrapbooks, ledgers, legal and financial records, photographs, and related material dating from 1715 to the present. Active collection development occurs in four basic categories: North Carolina-related materials, military papers, missionary papers, and tobacco records.

Joyner Library's holdings in education, naval and maritime history, and law reference materials are particularly strong. Access to information resources is provided by CD-ROM and on-line services located in the reference department.

The library's Teaching Resources Center houses a variety of curriculum resources for preschool through twelfth grade students.

Joyner Library is open 116 hours each week. Hours are posted on the main entrance of the building. Special hours are posted for holidays and semester breaks. The library maintains a recording of current operating hours that may be obtained by telephoning 252-328-4285.

The Music Library, a branch of Joyner, is located in the A. J. Fletcher Music Center. This library houses more than 65,000 items, including books, scores, video and sound recordings, and periodicals. The library provides reference services, computer searches, a reserve collection, and listening facilities. The Music Library is open seventy-eight hours each week.

### **WILLIAM E. LAUPUS HEALTH SCIENCES LIBRARY**

The William E. Laupus Health Sciences Library, located in the Brody Medical Sciences Complex, serves as the primary information resource facility for the university's health science programs. Located in the Brody Medical Sciences Complex, the Health Sciences Library contains approximately 145,814 bound or hard copy volumes, the equivalent of an additional 177,015 volumes in microformat, and receives 1,545 periodical and serial subscriptions.

The library is equipped with more than 100 computers available for public use and supports a growing program of electronic information and services. Reference services, bibliographic instruction, class reserves, historical collections, and a state of the art computer lab are also available. Additional information about library programs, services, and hours may be found by visiting our web site at [www.hsl.ecu.edu](http://www.hsl.ecu.edu).

### **INFORMATION TECHNOLOGY AND COMPUTING SERVICES**

Information Technology and Computing Services (ITCS) provides computing, network, and outreach support for academic education, research, and administrative programs on campus. ITCS partners with campus departments, other universities, and industry to make strategic investments in the information technology infrastructure. East Carolina University has over sixty student computer laboratories located throughout campus that support both discipline-specific applications as well as general computing on campus. Internet access is provided in a Cyber Cafe and through wireless connectivity on campus. Information technology assistance is provided through the university-wide Help Desk and computer training courses are offered on a regular basis. ITCS supports an immersive visualization facility for teaching and learning, a high performance computing facility that provides computing resources on an SGI Origin 2000 parallel processing computer, and a high-speed connection to the Internet. ECU's web portal (OneStop) enables students to access grades, register for classes, and transact many everyday administrative functions on-line. Further information about ITCS and the information technology environment on campus may be obtained by writing the Chief Information Officer, 124 Austin Building, East Carolina University, Greenville, NC 27858-4353 or calling 252-328-6401.

## **SPONSORED JOURNALS AND PUBLICATIONS**

*The Childrens Folklore Review*, sponsored by the East Carolina University Department of English, is the official publication of the Childrens Folklore Section (CFS) of the American Folklore Society. *The Review*, published twice a year for CFS members throughout the United States and in over a dozen foreign countries, contains information and articles of interest to scholars working with children and their lore.

*The North Carolina Folklore Journal*, published twice a year, includes folklife studies of traditional groups and cultural forms: verbal folklore and musical lore, analyses of folklore in literature, and interviews with folk traditional artists. Established in 1948, *NCFJ* publishes work by an interdisciplinary array of scholars and is sponsored by the North Carolina Folklore Society (established in 1913), the North Carolina Arts Council, the Department of English, and the College of Arts and Sciences.

*The North Carolina Geographer* is published twice yearly and provides high quality articles on the social and physical geography of North Carolina since its inception in 1941. *The Geographer* provides not only a forum for those interested in such research but also a highly visible testament to the quality research undertaken within the state.

*The North Carolina Literary Review* is published annually by the Department of English, East Carolina University, and the North Carolina Literary and Historical Association. *NCLR* publishes poetry, fiction, and nonfiction prose by and interviews with North Carolina writers and articles and essays about North Carolina literature, history, and culture.

*Tar River Poetry*, an international journal of poetry and reviews, is published twice a year (fall and spring) under the auspices of the East Carolina University Department of English.

## **PATENT AND COPYRIGHT POLICIES**

East Carolina University seeks to provide instruction, research, and service for the state and nation. University policy promotes these activities in a free and open environment with the intent to publish new information and results in the appropriate scholarly literature. However, the Board of Governors of The University of North Carolina has determined that patenting, licensing, and copyrighting of products resulting from the work of university employees and students utilizing university facilities must be consistent with the university's mission and purposes. University ownership of patents, licenses, and in some cases copyrights is described in detail in East Carolina University's policies relating to patents and copyrights. Copies of these policies can be obtained from the Office of Technology Transfer. East Carolina University policies and procedures are published in the *Faculty Manual*.

## **OAK RIDGE ASSOCIATED UNIVERSITIES**

East Carolina University has been a sponsoring institution of Oak Ridge Associated Universities (ORAU) since 1992. ORAU is a private, not-for-profit consortium of sixty-five colleges and universities and a management and operating contractor for the US Department of Energy (DOE) with principal offices located in Oak Ridge, Tennessee. Founded in 1946, ORAU provides and develops capabilities critical to the nation's technology infrastructure, particularly in energy, education, health, and the environment. ORAU works with and for its member institutions to help faculty and students gain access to federal research facilities; to keep members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members in areas where their collective strengths can be focused on issues of national importance.

ORAU manages the Oak Ridge Institute for Science and Education (ORISE) for DOE. ORISE is responsible for national and international programs in science and engineering education, training and management systems, energy and environment systems, and medical sciences. ORISE's competitive programs bring students at all levels, K-12 through postgraduate, and university faculty members into federal and private laboratories.

ORAU's Office for University, Industry and Government Alliances (UIGA) seeks out opportunities for collaborative alliances among its member universities, private industry, and federal laboratories. Current alliances include the Southern Association for High Energy Physics (SAHEP) and the Center for Bio-Electromagnetic Interaction Research (CBEIR). Other UIGA activities include the sponsorship of conferences and workshops, the Visiting Scholars Program, and the Junior Faculty Enhancement Awards.

Requests for more information about ORAU programs should be directed to the Division of Research, Economic Development, and Community Engagement, telephone 252-328-6937.

### **DEVELOPMENTAL EVALUATION CLINIC**

The Developmental Evaluation Clinic, located in the Malene Irons Building, was established in 1964 to provide interdisciplinary evaluations of developmentally disabled children. Referral to the clinic may be made by any interested person. The evaluation includes thorough and complete information in the following areas: medical, psychological, social, educational, occupational therapy, physical therapy, speech, hearing, and other areas when deemed appropriate. It involves interpretation of the findings to the parents and assistance in finding and using resources that will be beneficial for the growth and development of the child. Speech therapy, physical therapy, occupational therapy, and nutrition treatment services.

The clinic is involved in training individuals in nursing, social work, psychology, child development, medicine, occupational therapy, physical therapy, and speech and language pathology. Emphasis is placed on service to preschool aged children. The program is funded by the North Carolina Department of Health and Human Services.

Requests for further information should be directed to the Developmental Evaluation Clinic, East Carolina University, Irons Building, Greenville, NC 27858-4353; telephone 252-328-4482.

### **SPEECH-LANGUAGE AND HEARING CLINIC**

The purpose of the East Carolina University Speech-Language and Hearing Clinic is twofold. First, it is a clinical training facility for graduate students who are preparing to become speech-language pathologists or audiologists. To accomplish this, graduate students participate in outpatient diagnostic, treatment, and consultative services throughout the academic school year and during the summer session. During these activities, students are under the direct supervision of fully licensed and certified faculty in the Department of Communication Sciences and Disorders. Second, the clinic is a service facility for the university students and the surrounding communities in eastern North Carolina. Outpatient diagnostic, treatment, and consultant services are offered for all types of speech, language, and hearing disorders, including dialect and foreign accent reduction services. Speech, language, and hearing screening is also provided to all teacher education students prior to their matriculation to the upper-division level of study.

In addition to the above, the Scottish Rite Childhood Language Disorders Program is also a part of the ECU Speech-Language and Hearing Clinic. This program is funded by the NC Scottish Rite Foundation. Services provided include complete diagnostic services for children with language disorders, language learning disabilities, and reading disorders.

The East Carolina University Speech-Language and Hearing Clinic maintains a close liaison with the university's Disability Support Services, providing indepth diagnostic services for university students in the areas of language proficiency, ability to learn a foreign language, language learning disability, reading/writing learning disabilities, memory deficiency, and other learning deficiencies.

The East Carolina University Speech-Language and Hearing Clinic is located in the Belk Building Annex (School of Allied Health Sciences) on Charles Boulevard. Appointments can be made by calling the clinic at 252-328-4405.

### **CHILD DEVELOPMENT LABORATORY**

The Child Development Laboratory (CDL), located in the Department of Child Development and Family Relations in the Rivers Building, serves as a model teacher training and research facility for students and faculty. Accredited by the National Association for the Education of Young Children and licensed by the State of North Carolina as an "AA" child care center, the CDL maintains high standards in developmentally appropriate programming for preschool children. The CDL provides high-quality educational services (mornings only) to infants, toddlers, and young children and their families while serving as a training site for students in birth through kindergarten teacher education. Equipped with observation rooms and audio-visual recording equipment, the CDL also functions as a site for student and faculty research. Requests for information should be made to the director, ECU Child Development Laboratory, Department of Child Development and Family Relations, School of Human Environmental Sciences, East Carolina University, Greenville, NC 27858-4353; telephone 252-328-6926.

### **FAMILY THERAPY CLINIC**

The Family Therapy Clinic was established in 1988 by the School of Human Environmental Sciences, Department of Child Development and Family Relations. The clinic provides a full range of therapeutic services to individuals, couples, and families while serving as a training site for students in the master's degree program in marriage and family therapy. The Code of

Ethics of the American Association for Marriage and Family Therapy regarding confidentiality and the professional practice of marriage and family therapy is rigorously adhered to by all clinic therapists.

Located at 612 East Tenth Street, adjacent to campus, the Family Therapy Clinic is equipped to facilitate observation and supervision and is open twelve months a year. Charges for services at the Family Therapy Clinic are adjusted according to family income. No family is denied services because of an inability to pay. Referrals and requests for information should be made to the director, Family Therapy Clinic, Department of Child Development and Family Relations, School of Human Environmental Sciences, East Carolina University, Greenville, NC 27858-4353; telephone 252-328-4236.

### **TREATMENT AND EDUCATION OF AUTISTIC AND RELATED COMMUNICATION HANDICAPPED CHILDREN (TEACCH)**

TEACCH was established by the 1972 General Assembly as a statewide program within the Department of Psychiatry at the University of North Carolina-Chapel Hill Medical School. The Greenville TEACCH Center is in close proximity to the East Carolina University campus. The program works closely with the Developmental Evaluation Clinic and other allied departments at East Carolina University. The center provides a specialized service in the diagnosis and treatment of autism spectrum disorders. The program also provides consultation and training throughout a twenty-seven-county area of north-eastern North Carolina. One of the program's goals is for parents to work closely with educators, therapists, and other professionals to improve the autistic person's skills and behavior so that the individual may live at home with the family, attend school, and use services in the local community. The program serves children, adolescents, adults, and their families.

Students in medicine, psychology, special education, child development and family relations, social work, occupational therapy, and similar departments regularly participate in observation and training. Faculty and staff from the center provide lectures, internships, and practicum experiences as well as volunteer possibilities for students. In collaboration with the Department of Special Education, TEACCH provides joint training for the recipient of the Scott Denton Fellowship. Inquiries should be sent to John M. Dougherty, Director, Greenville TEACCH Center, South Hall Professional Center, 108-D West Firetower Road, Winterville, NC 28590; telephone 252-830-3300; FAX 252-830-3322.

### **REVOLVING EDUCATION AROUND PARTNERSHIPS (REAP)**

REAP is a training component of the special education area, School of Education. The program currently serves Pitt County children aged three and four. REAP, established in 1969, provides field placement and internship services for various disciplines on the university campus and community colleges in the area. REAP is located in the Malene Irons Building (DEC) on the south campus. All referrals and information inquiries should be made to the director, REAP, Malene Irons Building, East Carolina University, Greenville, NC 27858-4353; telephone 252-328-6186.

### **EAST CAROLINA UNIVERSITY REGIONAL DEVELOPMENT INSTITUTE**

The Regional Development Institute is a research and public service agency of the university through which services are delivered to the citizens of eastern North Carolina. Services and research projects designed to foster economic and community development are conducted by a full-time staff, by students, and by university faculty. Requests for additional information should be directed to the East Carolina University Regional Development Institute, Willis Building, First and Reade Streets, Greenville, NC 27858-4353; telephone 252-328-6650.

### **BB&T CENTER FOR LEADERSHIP DEVELOPMENT**

The mission of the center for leadership development is to explore and to enhance decision making among leaders, professionals, and entrepreneurs facing critical change in their environment. While the specific and long-term focus of the center will remain under study, the initial, constant, and common objective in all programs is to provide insights from thought leaders operating at the leading edge of strategic issues in society.

A personalized instructional framework will be used in a variety of settings including the seminar, conference, and academic course format. The center's role as an integral part of the university's commitment to excellence and service to the region has created an immediate opportunity to serve professionals seeking additional knowledge as well as students studying and exploring the way leaders and professionals function.

Requests for further information should be addressed to the director, BB&T Center for Leadership Development, 1100 Bate Building, East Carolina University, Greenville, NC 27858-4353; telephone 252-328-6190.

## **SECTION 1: GENERAL INFORMATION**

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### **DIVISION OF INSTITUTIONAL ADVANCEMENT**

The Division of Institutional Advancement, consisting of the Office of Alumni Relations and the Office for Institutional Advancement, is responsible for managing relationships involving alumni and friends of the university. The vice chancellor for institutional advancement leads the division in activities that build the status and prestige of the university and create an environment for philanthropy to academic programs. In addition, the vice chancellor directs the activities of the East Carolina University Foundation, the ECU Real Estate Foundation, and their volunteer boards. The division office is located in the Taylor-Slaughter Alumni Center on Fifth Street.

The East Carolina University Foundation, Inc., is the primary organization of the university for the acquisition, receipt, management and distribution of private gifts. The vice chancellor for institutional advancement serves as the president and the executive officer. The foundation accepts gifts restricted for programs and activities of the university as long as the restrictions do not infringe upon the qualifications for tax deductibility as set forth in the Internal Revenue Service Code Section 501(c)3. The foundation also ensures appropriate recognition for donors. Gifts to the ECU Alumni Association are also deposited within the foundation. However, gifts for athletics are managed by the ECU Educational Foundation (Pirate Club) and gifts for health sciences programs are managed by the Medical Foundation of ECU.

#### **OFFICE OF ALUMNI RELATIONS**

The Alumni Association of East Carolina University was organized in June 1912 by the classes of 1911 and 1912, with its purpose "to develop a spirit of cooperation among its members, to increase a spirit of loyalty to its alma mater, and to promote the general welfare of the institution." Annually a meeting of the Alumni Association is held at East Carolina University.

Local alumni chapters have been organized in many areas of North Carolina and across the US. Alumni societies in East Carolina University schools are also organized to promote the purposes of the Alumni Association. Active membership status in the association is granted to all alumni making contributions to the annual fund. Alumni encourage outstanding high school students to attend the university and also support the institution morally and financially. The Annual Giving Program is coordinated by the Office of Institutional Advancement.

The many and varied activities of the Alumni Association include financial support of a variety of university programs, among them three annual faculty awards for excellence in teaching and a number of undergraduate scholarships. Annual alumni gift support also provides for the Alumni Scholars Program, scholarships to attract outstanding high school graduates to East Carolina University.

Alumni are informed of campus and alumni activities through *The ECU Report*, published four times yearly.

Further information concerning specific programs and functions may be obtained from the Office of Alumni Relations, Taylor-Slaughter Alumni Center, East Carolina University, Greenville, NC 27858-4353.

#### **OFFICE FOR INSTITUTIONAL ADVANCEMENT**

The Office for Institutional Advancement, located on First Street, is managed by the associate vice chancellor for institutional advancement and is responsible for the organization and direction of programs and volunteers for the purpose of seeking private gift support for university academic programs except for those in the health sciences. The office conducts activities to involve donors and volunteers to generate support in three primary areas.

The Annual Fund generates gifts for university schools and the College of Arts and Sciences through the Telefund Office and direct mail. Annual gifts of \$1,000 or more are recognized through the Chancellor's Society. Directors of the Major Gifts/Campaigns solicit gifts for special campaigns or programs. Planned giving officers work with donors to maximize gift opportunities from estate and tax planning.

Directors of development work with schools throughout campus and serve as staff for ECU Foundation committees. In addition, development staff work with deans to support and advise Deans Advancement Councils in efforts to build philanthropy and advocacy networks.

## OFFICE OF NEWS AND COMMUNICATIONS SERVICES

The ECU Office of News and Communications Services, also known as the News Bureau, tells the ECU story through the mass media and its own publications and broadcasts. The office, located in the historic Howard House on East Fifth Street, strives to increase the public's knowledge, understanding, appreciation, and support of the university and its work by providing reports on ECU events, activities, research, teaching, service, policies, and people—students, faculty, staff, and administrators.

In addition to assisting media representatives in the preparation of stories about ECU, the office publishes a semimonthly faculty-staff newsletter, *Pieces of Eight*, and produces an annual magazine that reports research and creative activity at the university. The office operates a hometown news service that reports students' achievements, including academic honors, recitals, internships, art shows, and graduations, to their hometown newspapers.

## **UNDERGRADUATE AND GRADUATE DEGREES, MINORS, AND CERTIFICATES**

### **UNDERGRADUATE DEGREES**

|   |  |
|---|--|
| Bachelor of Arts (BA)                                 | Bachelor of Science in Nursing (BSN)   |
| Bachelor of Fine Arts (BFA)                           | Bachelor of Science in Occupational Therapy (BSOT)   |
| Bachelor of Science (BS)                              | Bachelor of Music (BM)   |
| Bachelor of Science in Accounting (BSA)               | Bachelor of Social Work (BSW)  |
| Bachelor of Science in Applied Physics (BSAP)         | Preprofessional courses qualifying for admission to schools<br>of dentistry, engineering, law, medicine, veterinary<br>medicine, optometry, pharmacy |
| Bachelor of Science in Business Administration (BSBA) |  |
| Bachelor of Science in Business Education (BSBE)      |  |

### **UNDERGRADUATE MINORS**

|  |  |
|--|--|
| Aerospace Studies                                  | Industrial Technology                            |
| Alcohol and Drug Studies                           | Information Processing                           |
| Anthropology                                       | International Studies                            |
| Art  | Jazz Studies                                     |
| Biology  | Management of Recreation Facilities and Services |
| Business Administration                            | Mathematics                                      |
| Business Education                                 | Medieval and Renaissance Studies                 |
| Chemistry  | Merchandising                                    |
| Child Development and Family Relations             | Military Science                                 |
| Classical Studies                                  | Multidisciplinary Studies                        |
| Coastal and Marine Studies                         | Music  |
| Communication                                      | Neuroscience                                     |
| Comparative Government and International Relations | North Carolina Studies                           |
| Computer Science                                   | Nutrition  |
| Construction Management                            | Occupational Safety and Health                   |
| Dance  | Philosophy                                       |
| Distribution Technology; Merchandising             | Physics  |
| Economics  | Planning   |
| Electronic Mass Media Studies                      | Political Science                                |
| Electronics Minor in Information Technology        | Professional Officers Course (Aerospace)         |
| English  | Psychology                                       |
| Environmental Health                               | Public Administration                            |
| Ethnic Studies                                     | Public History                                   |
| Exercise and Sport Science                         | Religious Studies                                |
| French   | Science Education                                |
| Geography  | Sign Language/Pre-Interpreting                   |
| Geology  | Sociology  |
| German   | Speech and Hearing Sciences                      |
| Gerontology  | Statistics                                       |
| Hispanic Studies                                   | Theatre Arts                                     |
| History  | Women's Studies                                  |
| Hospitality Management                             |  |

### **UNDERGRADUATE CERTIFICATES**

|  |  |
|--|--|
| Departmental Certificate of American Studies for<br>Foreign Students | Departmental Certificate in Geographic Information Science |
| Departmental Certificate in Business and<br>Technical Communication  | Departmental Certificate in Jazz Studies                   |
|  | Departmental Certificate in Spanish Translation            |
|  | Driver and Safety Education Certification                  |



**GRADUATE DEGREES****(See graduate catalog.)**

|  |  |
|--|--|
| Master of Arts (MA)                              | Master of Music (MM)                             |
| Master of Arts in Education (MAEd)               | Master of Physical Therapy (MPT)                 |
| Master of Arts in Teaching (MAT)                 | Master of Public Administration (MPA)            |
| Master of Fine Arts (MFA)                        | Master of School Administration (MSA)            |
| Master of Science (MS)                           | Master of Social Work (MSW)                      |
| Master of Science in Accounting (MSA)            | Certificate of Advanced Study (CAS) (Sixth Year) |
| Master of Science in Environmental Health (MSEH) | Educational Specialist (EdS)                     |
| Master of Science in Nursing (MSN)               | Doctor of Education (EdD)                        |
| Master of Science in Occupational Therapy (MSOT) | Doctor of Medicine (MD)                          |
| Master of Business Administration (MBA)          | (See catalog of the School of Medicine.)         |
| Master of Library Science (MLS)                  | Doctor of Philosophy (PhD)                       |

**GRADUATE MINORS**

|            |                 |
|------------|-----------------|
| Statistics | Women's Studies |
|------------|-----------------|

**GRADUATE CERTIFICATES**

|  |  |
|--|--|
| Apparel and Textile Management Certificate               | Nursing Education Certificate  |
| Applied Economics Certificate (Departmental)             | Professional Communication Certificate (Departmental)                    |
| Community Health Administration Certificate              | School Business Management Certificate                                   |
| Computer Network Professional Certificate (Departmental) | School Social Work Certificate (Departmental)                            |
| Development and Environmental Planning Certificate       | Social Work with the Deaf and Hard of Hearing Certificate (Departmental) |
| Early Childhood Studies Certificate (Departmental)       | Statistics Certificate (Departmental)                                    |
| Family Nurse Practitioner Certificate (Departmental)     | Substance Abuse Certificate (Departmental, Social Work)                  |
| Gerontology Certificate                                  | Suzuki Pedagogy Certificate  |
| Health Care Management Certificate                       | Tax Certificate Program Certificate                                      |
| Hospitality Management Certificate                       | Tele-Learning Certificate (Departmental)                                 |
| International Management Certificate                     | Virtual Reality in Education and Training Certificate (Departmental)     |
| International Teaching Certificate                       | Website Developer Certificate (Departmental)                             |
| Management Information Systems Certificate               |  |
| Neonatal Nurse Practitioner Certificate (Departmental)   |  |
| Nurse Midwifery Certificate (Departmental)               |  |

**UNDERGRADUATE AND GRADUATE DEGREE PROGRAMS**

For concentrations and specializations within degree programs, see departmental or school listings and the graduate catalog.

|                                       |  |
|---------------------------------------|--|
| Accounting–BSA/MSA                    | Birth-Kindergarten (B-K) Teacher Education–BS                  |
| Adult Education–MAEd                  | Business Administration–BSBA (See specific subject area.), MBA |
| Anatomy and Cell Biology–PhD          | Business Education–BSBE, MAEd, MAT                             |
| Anthropology–BA, MA                   | Business and Marketing Education–BSBE                          |
| Apparel and Textiles Merchandising–BS | Chemistry–BA, BS, MS   |
| Applied Geography–BS                  | Child Development and Family Relations–MS                      |
| Applied Physics–BSAP                  | Child Life–BS  |
| Applied and Resource Economics–MS     | Clinical Laboratory Science (medical technology)–BS            |
| Applied Sociology–BS                  | Coastal Resources Management–PhD                               |
| Art–BA, BFA, MA, MFA                  | Communication–BA, BS   |
| Art Education–BFA, MAEd, MAT          | Communication Sciences and Disorders–PhD                       |
| Art History and Appreciation–BA       | Computer Science–BA, BS, MS                                    |
| Athletic Training–BS                  | Construction Management–BS                                     |
| Biochemistry–BS, PhD                  | Counselor Education–MS, EdS                                    |
| Bioenergetics–PhD                     | Criminal Justice–BS, MS  |
| Biology–BS, MS                        | Dance–BFA  |
| Biomedical Physics–PhD                |  |

## SECTION 1: GENERAL INFORMATION

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Dance Education–BFA  
Decision Sciences–BSBA  
Design–BS  
Economics–BA, BS  
Education, Secondary–See academic subject.  
Educational Administration and Supervision–EdS  
Educational Leadership–EdD  
Educational Supervision–MAEd  
Electronics–BS  
Elementary Education (K-6)–BS, MAEd, MAT  
English–BA, BS (secondary education), MA  
English Education–MAEd, MAT  
Environmental Engineering Technology–BS  
Environmental Health–BS, MSEH  
Exercise and Sport Science–BA, MA  
Exercise Physiology–BS  
Family and Community Services–BS  
Family and Consumer Sciences Education–BS, MAEd, MAT  
Finance–BSBA  
Foreign Languages–See specific language.  
French–BA, BS (secondary education)  
Geography–BA, MA  
Geology–BS, MS  
German–BA, BS (secondary education)  
Health Education–MA, MAEd, MAT  
Health Education and Promotion–BS  
Health Information Management–BS  
Hispanic Studies–BA, BS (secondary education)  
History–BA, BS (secondary education), MA  
History Education–MAEd  
Hospitality Management–BS  
Industrial Distribution–BS  
Industrial Technology–BS, MS  
Information Technologies–BSBE  
Instructional Technology–MS  
Instructional Technology Education–MAEd  
Interdisciplinary Biological Sciences–PhD  
Interior Design–BS  
International Studies–MA  
Library Science–MLS, CAS  
Management–BSBA  
Management Accounting–BSBA  
Management of Recreation Facilities and Services–BS  
Manufacturing–BS  
Maritime Studies–MA  
Marketing–BSBA  
Marketing Education–BSBE, MAEd, MAT  
Marriage and Family Therapy–MS  
Mathematics–BA, BS (secondary education), MA, MAEd (secondary education)  
Medicine–MD  
Microbiology and Immunology–PhD  
Middle Grades Education–BS, MAEd, MAT  
Molecular Biology and Biotechnology–MS  
Multidisciplinary Studies–BA, BS  
Music Education–BM, MM, MAT  
Music Therapy–BM, MM  
Nursing–BSN, MSN, PhD  
Nutrition–MS  
Nutrition and Dietetics–BS  
Occupational Safety–MS  
Occupational Therapy–BSOT, MSOT  
Pathology–See Interdisciplinary Biological Sciences  
Performance (music)–BM, MM  
Pharmacology–PhD  
Philosophy–BA  
Physical Activity and Fitness–BS  
Physical Education–BS, MAEd, MAT  
Physical Therapy–MPT  
Physician Assistant–BS  
Physics–BA, BS, MS  
Physiology–PhD  
Planning–MA in geography with planning concentration; MPA with planning concentration; See Urban and Regional  
Political Science–BA, BS  
Psychology–BA  
Psychology, Clinical–MA  
Psychology, General and Theoretic–MA  
Psychology, School–MA, CAS  
Public Administration–MPA  
Public History–BS  
Reading Education–BS Certification, MAEd  
Recreational Therapy–BS  
Recreational Therapy Administration–MS  
Recreation and Leisure Facilities Services Administration–MS  
Rehabilitation Services–BS  
Rehabilitation Counseling–MS  
Romance Languages–See French, Spanish.  
School Administration–MSA  
School Health Education–BS  
School Library/Media Coordinator–Licensure  
Science Education–BS, MA, MAEd  
Secondary Education–See academic subject.  
Social Studies Certification–BS in history  
Social Work–BSW, MSW  
Sociology–BA, MA  
Special Education, Behavioral/Emotional Disabilities–BS, MAEd  
Special Education, Learning Disabilities–BS, MAEd  
Special Education, Low Incidence Disabilities–MAEd  
Special Education, Mental Disabilities–BS, MAEd  
Speech and Hearing Sciences–BS  
Speech-Language and Auditory Pathology–MS  
Substance Abuse and Clinical Counseling–MS  
Teaching–MAT (See specific teaching area.)  
Theatre Arts–BA, BFA  
Theatre Arts Education–BFA  
Theory–Composition (music)–BM, MM  
Urban and Regional Planning–BS  
Vocational Education–MS  
Vocational Evaluation–MS  
Women's Studies–BA

The Division of Student Life actively supports the university's mission of education, research, and service by providing comprehensive programs and services to assist each student to develop intellectually, socially and culturally. The division promotes this development by fostering a community of learning, which encourages individual student involvement and participation. The Division of Student Life provides a broad range of support services, activities, and programs which seek to enhance the learning environment; accommodate the diverse needs of all students; assist students in meeting their basic needs for housing, nutrition, and physical and mental health; provide the means for students to become active participants and leaders in their own learning; assist students in developing logical thought processes and sound decision-making skills; and assist students in developing an appreciation of the arts. Moreover, the division seeks to contribute to the development of the whole individual by fostering in each student a deeper appreciation of the importance of life-long learning, individual responsibility, and human diversity.

The Division of Student Life includes Adult and Commuter Student Services; Career Services; Counseling and Student Development; Dining Services; Disability Support Services; Intercultural Student Affairs; Orientation and the First-Year Experience; Recreational Services; Research, Assessment, and Testing; Student Advocacy; Student Health Services; Student Life Advancement; University Housing Services; University Unions; and other areas such as judicial affairs, student organizations, student leadership development, fraternities, sororities.

## **UNIVERSITY HOUSING SERVICES**

University Housing Services is committed to offering personal and affordable services, supporting the academic mission of the university, and providing opportunities for individual growth within a comfortable environment and caring community. The ECU campus provides a supportive atmosphere in which a student can explore new academic ideas and social experiences. Campus living means meeting new people, some of whom will become good friends for life; living in an environment conducive to studying, where academic assistance is readily available; and taking advantage of numerous benefits, such as convenience to classes and campus activities, neighborhood, and lifestyle options that suit one's personality.

A variety of living and dining options are available. Residence halls are located in three neighborhoods on the campus. College Hill, central and west neighborhoods offer the convenience of living near classrooms, the library, recreational facilities, campus activities, and campus restaurants. The university maintains fifteen residence halls that 5,000 students call home.

Information regarding university housing is available at University Housing Services, office suite 100, Jones Residence Hall. Detailed information is available through University Housing Services; 252-ECU-HOME (328-4663) or the ECU home page at [www.ecu.edu/campusliving](http://www.ecu.edu/campusliving). The office also maintains a off-campus apartment listing service.

## **CAMPUS DINING SERVICES**

Campus Dining Services recognizes the importance of variety, value, and convenience, and offers well-balanced, nutritious meals throughout the day at each of its seven locations. Two all-you-care-to-eat dining halls are located near the residential areas of campus. These restaurants serve breakfast, lunch, and dinner Monday through Friday, and brunch and dinner on weekends. Beverage bars and campus cafes offer food on an a la carte basis and are located throughout campus near academic buildings and residence halls. Each has its own distinct menu, atmosphere, and hours of operation. All Foods Fit, a menu of foods lower in fat that meet the American Heart Association's nutritional guidelines, is available at every campus dining location. A staff nutritionist monitors the All Foods Fit menu and assists students with dietary needs.

Campus Dining Services offers several convenient and economical meal plans that can be used in any of ECU's campus restaurants. Each offers a set number of meals each week throughout the semester and Pirate Bucks, a declining balance account. Freshmen living on campus are required to participate in a meal plan program.

In addition to great food, dining services hosts an array of special events, theme meals, ethnic parties, holiday celebrations, and more throughout the year, allowing students from across campus to get together and enjoy good times and great food. More information about campus dining is available at the ECU Dining Services offices, Todd Dining Hall; telephone 252-ECU-FOOD (328-3663) or visit our web site at [www.ecu.edu/campusliving](http://www.ecu.edu/campusliving).

## **STUDENT HEALTH SERVICE**

The Student Health Service (SHS) provides individualized and quality health care and health education for currently enrolled ECU students. The outpatient clinic provides health care through appointments for the students' convenience and through an urgent care clinic during operating hours. Services include, but are not limited to, routine health care (illness, accidents,

## **SECTION 2: STUDENT LIFE**

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physicals, wellness, etc.), mental health, physical therapy, sports medicine, health and wellness education, pharmacy, laboratory, x-ray, allergy vaccine clinic, self-care medication clinic, health insurance, and more.

The Health Promotion and Education section at SHS assists students in examining their current lifestyle behaviors and making informed decisions regarding well being. The office offers information related to alcohol and other drugs, sexuality, nutrition, and men's and women's health issues as well as general health and safety issues. Brochures, pamphlets, books, videos, and CD-ROM resources are available. The staff consults with the campus community about health and well being issues through individuals and groups. The staff also provides programs upon request on and off campus.

The telephone numbers for the center are as follows: main switchboard 252-328-6841; health promotion and education 252-328-6794; pharmacy 252-328-6793.

### **DISABILITY SUPPORT SERVICES**

The Department for Disability Support Services works in collaboration with faculty, staff, and departments throughout the university to fulfill the institution's commitment to accessibility. Services and accommodations are designed to meet the individual needs of the student and encompass all aspects of university life. The staff assists students with freshman and transfer transition issues, academic accommodations, academic counseling, and referrals for attendant care and mobility training. Additional program information is available in A-117 Brewster, by telephone at 252-328-6799, and on-line at <http://ecu.edu/studentlife/dss/>.

### **COUNSELING AND ADVISING SERVICES**

#### **ACADEMIC ADVISING**

To assist students in their academic programs, the university has established in each college, school, and department a system of academic counseling whereby the student is assigned to a faculty member who serves as his or her adviser. The adviser helps to plan the student's academic program, particularly during registration periods; keeps a record of his or her progress; and is available throughout the year for additional counseling.

Advisers will make every attempt to give effective guidance to students in academic matters and to refer students to those qualified to help them in other matters, but the final responsibility for meeting all academic requirements for a selected program rests with the student. In addition to his or her faculty adviser, the student may obtain help from the chairperson of the major department or the dean of the college or school.

#### **CAREER SERVICES**

Career Services provides programs and services to assist students with the transition from academia to the world of work by preparing students for life after graduation. Career Services offers services which include, career counseling, workshops and seminar on career-related subjects, assistance with resume writing and interviewing, and opportunities for graduate assistantships, practicum and internships. The center also offers students an easy-to-use computerized guidance program that helps clarify values, explores occupation options, and develops educational plans.

Career Services is open Monday through Friday 8:00 a.m. to 5:00 p.m. For more information visit Career Services, 701 East Fifth Street, telephone 252-328-6050, or students can access the web page at [www.ecu.edu/career services](http://www.ecu.edu/career%20services).

### **COUNSELING AND STUDENT DEVELOPMENT**

The purpose of the Center for Counseling and Student Development is to assist students to make the most of their opportunities for academic and personal development while attending the university. The center offers students counseling in the following areas: personal, academic, career and alcohol and other drug abuse. In addition to individual counseling, group sessions are conducted for those students who wish to focus on various problems or personal concerns that arise from the stress of university life and interpersonal relations. The center's staff provides both classroom and individual programs for students who wish to improve their study skills. When necessary, tests and inventories are used to help students ascertain their areas of interest and/or to gain insight into their personal adjustment. All students are entitled to the services provided by the center without charge.

The center for Counseling and Student Development is open Monday, Wednesday, Thursday and Friday from 8:00 a.m. to 5:00 p.m. and Tuesday from 8:00 a.m. to 8:00 p.m. Students are encouraged to visit the center, which is located in 316 Wright, telephone 252-328-6661, or access the web page at [www.ecu.edu/counseling](http://www.ecu.edu/counseling).

### **RESEARCH, ASSESSMENT, AND TESTING**

The Office of Research, Assessment, and Testing coordinates the assessment activities of the Division of Student Life and disseminates its findings to the university community. These research and assessment activities identify student needs and provide information on the personal and educational development of ECU students. In addition, assessments of program effectiveness are used to identify the degree to which student life programs and services assist students in meeting their developmental needs.

The office administers several national testing programs, including the PRAXIS, American College Testing, Allied Health Professions Admission Test, College-Level Examination Program, Law School Admission Test, Medical College Admission Test, Miller Analogies Test, Pharmacy College Admission Test, and Scholastic Assessment Tests. Local, state, and national licensing and certification examinations are administered by the office. Upon request, the office will administer individually arranged exams such as correspondence tests for other colleges and employer personnel examinations. Further information is available at the Office of Research, Assessment, and Testing, D-102 Brewster; telephone 252-328-6811.

### **UNIVERSITY UNIONS**

Mendenhall Student Center is the University Union. The student center, containing almost 120,000 square feet, provides services, programs, and facilities for the students, faculty, staff, alumni, and guests of the university. In the student center are facilities and equipment for organized and informal recreation and socializing. Bowling, billiards, table tennis, table games, video games, television, movies, and other activities are available. Lounges, meeting rooms, reading rooms, a newly-expanded student computer lab, Offices of the Student Union, Student Leadership Development Programs, Student Government Association, Inter-Fraternity Council, Panhellenic Council, National Panhellenic Council, and Allied Blacks for Leadership and Equality as well as offices of the student center staff, dining facilities (including a dining hall and snack bar), an art gallery, and an 800-seat theatre are located in the student center.

The student center offers a number of specific services: general information desk (252-328-4700), campus directory file, video information monitors, public telephones, lockers, rides/riders board, general bulletin boards, Central Ticket Office, and university Calendar of Events.

Programming in the student center is carried out under the auspices of the Student Union and the student center. Programs presented by the Student Union include art exhibitions, special events, minority programs, popular entertainment, films, programs in the Pirate Underground, popular lectures, and concerts. The student center presents the S. Rudolph Alexander Performing Arts Series and Travel-Adventure Film/Theme Dinner Series. Additional information is available at [www.ecu.edu/mendenhall/mendenhall.htm](http://www.ecu.edu/mendenhall/mendenhall.htm).

## **ORIENTATION AND THE FIRST-YEAR EXPERIENCE**

The Office of Orientation and the First-Year Experience assists students with transition to the university and encourages an interactive program with family and their students to enhance a mutual understanding of life at East Carolina University. With the assistance of virtually all departments within the university community, the office provides academic and student life information for all new students and family.

The purpose of orientation is to inform students about the academic requirements of the university and to prepare them for the educational process. During orientation, students may take placement tests in mathematics, foreign languages, and chemistry so that they may register for the appropriate levels in these areas. Orientation provides the opportunity for family and students to become knowledgeable about student life programs offered at East Carolina University. Participants also become acquainted with faculty, staff, student leaders, and other new students and family.

New students may need additional help with the adjustment to college and the pursuit of academic success during their first year at ECU. To assist with this transition, the first-year experience program provides activities that will help students succeed in five areas: academic achievement, health and well-being, leadership, relationships, and life philosophy.

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For more information about orientation or the first-year experience, visit the office at 224 Mendenhall Student Center, telephone 252-328-4173, or access the web page at [www.ecu.edu/orientation](http://www.ecu.edu/orientation).

### **OFFICE OF PARENT SERVICES**

The Office of Parent Services is designed to serve as a one-stop source of information and referral for parents and families. In addition, the office serves as a liaison between parents, families, and the university, and works to encourage ongoing parent and family involvement during a student's college career at ECU. For more information about the Office of Parent Services, visit the office in 224 Mendenhall Student Center, telephone 252-328-2888, e-mail at [parents@mail.ecu.edu](mailto:parents@mail.ecu.edu) or access the web page at <http://ecu.edu/parents/>.

### **OFFICE OF INTERCULTURAL STUDENT AFFAIRS**

The mission of the Office of Intercultural Student Affairs is to assist in creating an environment that is supportive and conducive to meeting the educational, intellectual, and social needs of multiethnic students on the East Carolina University campus. This is achieved through creative programming efforts such as peer mentoring, social justice institutes, leadership development opportunities for student organizations, and providing administrative assistance to student organizations. Additionally, the director is involved in campus retention and community recruitment initiatives as well as research to enhance those areas.

### **LEDONIA WRIGHT CULTURAL CENTER**

The mission of the Ledonia Wright Cultural Center is to promote intercultural initiatives to help create an all-inclusive campus environment. The cultural center provides educational and cultural programming and resources to promote cultural self-discovery as well as recognition, understanding, and acceptance of other cultures.

The cultural center is the heartbeat of East Carolina University's multicultural activity. Educational resources include a reading room/library, computer workstations, tutorial services, health and career information booths, genealogy research tools, space for meetings, tours, and art exhibitions.

The multicultural programming sponsored by the cultural center includes several ongoing programs and observances such as Evening at Our House, Hispanic Heritage Month, Native American Heritage Month, Deaf Heritage Week, Multicultural Holiday Open House, Martin Luther King, Jr. Celebration, Black History Month, Women's History Month, Asian-Pacific Heritage Month, and the International Festival.

The cultural center hosts receptions and provides meeting facilities for students, staff, and faculty. A kitchen and other space are available for students to relax between classes. For further information, please contact Ledonia Wright Cultural Center at 252-328-1680 or visit our website [www.ecu.edu/lwcc](http://www.ecu.edu/lwcc).

### **STUDENT LEADERSHIP DEVELOPMENT PROGRAMS**

Realizing that a fulfilling campus experience can assist in the recruitment, retention, and graduation of academically proficient and talented students, the Office of Student Leadership Development Programs supports the academic mission of the university by providing quality leadership education experiences and providing assistance to benefit extra-curricular student organizations.

Student leadership development programs offer a wealth of programs, including workshops, seminars, and speakers on various topics related to leadership. In addition, the office is home to a leadership library and numerous resources for student leaders and student organizations. For more information, call 252-328-4796 or visit [www.clubhouse.ecu.edu](http://www.clubhouse.ecu.edu)

### **ADULT AND COMMUTER SERVICES**

The Office of Adult and Commuter Student Services (ACSS) provides support services and programs which foster successful college experiences for commuters and students over twenty-four years of age. The office provides a resource booklet for new adult, commuter, and graduate students, newsletters and information on day care, transportation, and other community resources. The Pinnacle Nontraditional Student Honorary, an adult student list serve, a peer-helper program, and family activities are also sponsored by ACSS. Office staff serve as advocates for adults and commuters with the ECU community and strive to find effective avenues of communication with this diverse group of students. For more information, visit the office in the lower level of Mendenhall Student Center or call 252-328-6881. Information is also available at [www.ecu.edu/studentlife/acss](http://www.ecu.edu/studentlife/acss).

## RECREATIONAL SERVICES AND THE STUDENT RECREATION CENTER

The Department of Recreational Services is located in the Student Recreation Center and provides a broad and diverse program of wellness-oriented activities to all students, faculty, and staff. Recreational Services strives to enhance positive recreation and wellness lifestyles of the university community and to foster a lifelong commitment to learning skills associated with physical, social, emotional, and mental well being. Recreational opportunities are available in the following program areas. To receive more information on the following programs, telephone 252-328-6387.

**Adventure:** The adventure program offers both single day and multi-day trips every semester such as sea kayaking, rock climbing, backpacking, snow skiing, white water rafting, and surfing. The adventure program also provides workshops on a variety of outdoor skills such as outdoor cooking and trip preparation. Outdoor equipment can be rented at the Adventure Outfitters in the Student Recreation Center. In addition, the adventure program operates a team building and leadership development course through the Ropes Challenge Course.

**Aquatics:** The aquatics program provides both group and private swimming lessons for adults and children as well as training and certification in community first aid and safety, CPR for the professional rescuer, and lifeguard training.

**ARISE:** An adapted recreation and intramural sport enrichment program (ARISE) provides opportunities in recreational activities for individuals with disabilities. ARISE offers adapted sea kayaking and water ski clinics, adapted rock climbing, swimming lessons, wheelchair basketball, WheelPower Dance Troupe, and handcycling.

**Club Sports:** The club sports program combines recreational opportunities with instruction and competition in a variety of sports related activities. Clubs are developed and organized by students with administrative and financial support provided by Recreational Services. Participants have the opportunity to develop leadership skills as they become involved in the day-to-day operation and management of their club. Active clubs include the following:

|                          |                                  |
|--------------------------|----------------------------------|
| Adventure                | Racquetball                      |
| Badminton                | Roller Hockey                    |
| Bowling                  | Rugby (Mens & Womens)            |
| Cycling                  | Soccer (Mens & Womens)           |
| Fencing                  | Softball (Womens)                |
| Field Hockey (Womens)    | Swimming                         |
| Frisbee Disc Golf        | Ultimate Frisbee (Mens & Womens) |
| Lacrosse (Mens & Womens) | Underwater Hockey                |
| Martial Arts:            | Volleyball (Mens & Womens)       |
| Aikido                   | Water Polo (Mens & Womens)       |
| Isshinryu                | Water Ski/Wakeboarding           |
| Tae Kwon Do              |                                  |
| Tai Chi                  |                                  |

**Fitness:** The fitness program of Recreational Services provides quality personal training, group fitness classes, seminars, workshops, and lifestyle enhancement classes designed to provide education about a variety of healthy lifestyle options. Personal trainers are nationally certified and can provide new exercise techniques and motivation. Group fitness classes are offered in a variety of class formats, including cycling, kickboxing, step, multi-impact, aqua, and muscle strengthening. Lifestyle enhancement classes include yoga, tai chi, racquetball, and self-defense.

**Intramurals:** Intramural sports offers a wide variety of competitive and recreational opportunities encompassing team, individual/dual, and special event activities for both men and women. Participation is open to all currently enrolled students and presently employed faculty and staff. Individuals or teams wishing to participate in an intramural sport need to attend the registration meeting for their selected sport. Registration meeting dates and times are published in the program guide each semester available at the Student Recreation Center.

### STUDENT RECREATION CENTER

The 150,000 square foot Student Recreation Center located next to Mendenhall Student Center houses six multi-sports courts, one squash and seven racquetball courts, a twenty-eight foot climbing wall, one-seventh mile track, indoor/outdoor pool with lounging area, Center Court juice bar, three exercise studios, 10,000 square foot cardiovascular and weight training area, outdoor adventure center, locker rooms, and administrative offices. The Blount Recreational Sports Complex has

## **SECTION 2: STUDENT LIFE**

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eighteen acres of sport fields for flag football, soccer, and softball and is located off of Charles Boulevard behind the Belk Building. These fields are used for intramural and club sports and can be reserved for use by campus groups with advance notice. Currently enrolled students who have paid activity fees are automatically members of the Student Recreation Center and may use it by presenting a valid ECU One Card. Faculty, staff, ECU alumni, spouses of ECU faculty, staff, and alumni, and student spouses are eligible to purchase memberships to the Student Recreation Center. Guest and dependent day passes are also available for purchase. Dependent children are admitted for free on Fridays and Saturdays when accompanied by a member. For additional information access the web site at [www.recserve.ecu.edu](http://www.recserve.ecu.edu).

### **ORGANIZATIONS AND ACTIVITIES**

#### **STUDENT GOVERNMENT ASSOCIATION**

The Student Government Association (SGA) is the voice of the students and adopts such regulations as concern the entire student body. SGA funds many student organizations. The SGA office is located in 255 Mendenhall Student Center. For additional information call 252-328-4726 or access [www.ecu.edu/sga](http://www.ecu.edu/sga).

#### **STUDENT UNION**

The Student Union located in 236 Mendenhall Student Center, serves as the principal student programming organization at East Carolina University. The Student Union is responsible for providing a balanced program of social, recreational, and cultural events for the entire university family, aiming to make free-time activity complementary to study. All students are eligible to apply for membership on any one of the following Student Union committees: films, popular entertainment, cultural awareness, spectrum, lecture, visual arts, marketing, and Barefoot.

#### **MEDIA**

*The East Carolinian*, the university paper, is published three times weekly by the students. It carries university and alumni news and is designed to furnish an outlet for student expression on all matters pertaining to student educational and social development.

*Expressions*, a periodic magazine, is published by the students. It includes campus news, much of which is of particular interest to minority students.

*The Rebel* is the university literary magazine published by the students.

WZMB-FM is the student radio station offering news and a variety of musical programs of interest to all segments of the university community.

#### **UNIVERSITY TRANSIT SERVICES**

Student transit is funded by student activity fees and is operated by students for students, faculty, and staff at no charge with a valid ECU ID. An extensive bus route providing timely service to, from, and around the ECU campus, including commuter parking lots, off-campus housing areas, and several shopping/service areas is provided. All lines run twice an hour at thirty-minute intervals. A list of the bus routes and schedules can be obtained from Mendenhall Student Center, the Office of Parking and Traffic Services, and on the buses. For more information, contact ECU Transit at 252-328-0254 or access [www.ecu.edu/transit](http://www.ecu.edu/transit).

#### **HONOR SOCIETIES, PROFESSIONAL AND SERVICE FRATERNITIES**

Alpha Epsilon Delta (Pre-Health Professions)  
Alpha Iota Delta (Decision Sciences)  
Alpha Kappa Delta (Sociology)  
Alpha Mu Alpha (Marketing)  
Alpha Omega Alpha (Medicine)  
Alpha Phi Omega (Service)  
Alpha Phi Sigma (Criminal Justice)  
Beta Alpha Psi (Accounting)  
Beta Beta Beta (Biology)  
Beta Gamma Sigma (Business)  
Chi Sigma Iota (Counseling)

Delta Pi Epsilon (Business Education)  
East Carolina Honors Organization  
Epsilon Nu Eta (Environmental Health)  
Epsilon Pi Tau (Technology)  
Epsilon Sigma Alpha (Service)  
Eta Sigma Gamma (Health Education)  
Gamma Beta Phi (Co-educational Honor and Service)  
Gamma Chi Epsilon (Service)  
Gamma Sigma Sigma (Service)  
Gamma Theta Upsilon (Geography)  
Golden Key National Honor Society



Kappa Theta Epsilon (Cooperative Education)  
Kappa Delta Pi (Education)  
Lambda Alpha (Anthropology)  
National Residence Hall Honorary  
Omicron Delta Epsilon (Economics)  
Omicron Delta Kappa (Leadership)  
Order of Omega (Greek)  
Phi Alpha (Social Work)  
Phi Alpha Theta (History)  
Phi Beta Delta (International Scholarship)  
Phi Eta Sigma (Freshman Scholarship)  
Phi Kappa Phi (All Academic Fields)  
Phi Sigma Iota (Foreign Languages)  
Phi Sigma Pi (Scholarship and Service)  
Phi Sigma Tau (Philosophy)  
Phi Upsilon Omicron (Human Environmental Sciences)

Pinnacle (Nontraditional Students)  
Pi Alpha Alpha (Public Administration)  
Pi Kappa Lambda (Music)  
Pi Mu Epsilon (Mathematics)  
Pi Omega Pi (Business Education)  
Pi Sigma Alpha (Political Science)  
Psi Chi (Psychology)  
Sigma Gamma Epsilon (Geology)  
Sigma Iota Epsilon (Management)  
Sigma Lambda (Deafness)  
Sigma Lambda Chi (Construction Management)  
Sigma Pi Sigma (Physics)  
Sigma Tau Chi (Technical and Professional Communication)  
Sigma Tau Delta (English)  
Sigma Theta Tau (Nursing)  
Sigma Xi (Scientific Research)

### **SPECIAL INTEREST AND PROFESSIONAL ORGANIZATIONS**

Adult Education Association  
Adventure Club  
Aikido Club  
Air Force ROTC  
Air Waves – The ECU Media Society  
Allied Blacks for Leadership and Equality  
Alpha Kappa Psi (Business)  
Alternative Spring Break  
Amateur Radio Society  
American Chemical Society Student Affiliates  
American Fisheries Society  
American Marketing Association  
American Medical Student Association  
American Society of Interior Designers  
Amnesty International  
Anthropology Graduate Student Organization  
Apparel Merchandising Textile Organization  
Arnold Air Society  
Association for the Education of Young Children  
Aycock Hall Council  
Badminton Club  
Belk Hall Council  
Bisexual, Gay and Lesbian Alliance for Diversity  
Biology Graduate Student Association  
Black Graduate Student Association  
Black Students' Union  
Bowling Club  
Cadet Wing Association  
Campus Scouts of East Carolina University  
Ceramics Guild  
Chemistry Graduate Student Association  
Child Development and Family Relations Master's Program  
Circle K  
Clement Hall Council  
Club Softball

Coastal Resources Management Association  
College Democrats  
College Republicans  
Collegiate American String Teachers Association  
Cotten/Fleming/Jarvis Hall Council  
Council on Family Relations  
Counselor Education Association  
Curriculum and Instruction Graduate Student Organization  
Cricket Club  
Cycling Club  
Dance Team  
Democracy Matters  
Doctoral Student Association  
East Carolina Association of Nursing Students  
East Carolina Communication Organization  
East Carolina Friends  
East Carolina Native American Organization  
ECU Ambassadors  
ECU Chapter of the NAACP  
ECU Cheerleaders  
Elementary Education Club  
English Graduate Student Organization  
Environmental Conservation Organization  
Environmental Health Club  
Exercise and Sports Science Major Club  
Expressions  
Fencing Club  
Field Hockey Club  
Financial Management Association  
Fletcher Hall Council  
Folk and Country Dancers  
Front Porch Productions  
Gamers Guild  
Garrett Hall Council  
Geo Club

## SECTION 2: STUDENT LIFE

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Gospel Choir  
Graduate Association of Social Workers  
Graduate Business Association  
Graduate Student Alliance  
Greene Hall Council  
Healthy PIRATES  
Hospitality Management Association  
Humanist Association of Eastern North Carolina  
Indian Student Organization  
International Language Organization  
Isshiryu Karate Club  
Italian Club  
Jeet Kune Do Association  
Jones Hall Council  
Keller Physician Assistant Society  
Ladies Elite  
Leadership Corps  
Maritime Studies Association  
Medieval Recreation Guild  
Men's Lacrosse Club  
Men's Rugby Club  
Men's Soccer Club  
Men's Ultimate Frisbee – ECU Irates  
Men's Volleyball Club  
Men's Water Polo Club  
Metals Guild  
Middle Grades Education Club  
Minges Maniacs  
Minority Association of Pre-Health Students  
Minority Student Coalition  
Model United Nations Club  
Mountain Biking Racing Team  
National Association of Industrial Technology  
National Society of Collegiate Scholars  
National Speech, Language and Hearing Association  
North Carolina Student Rural Health Coalition  
Omniance Modeling  
Painting Guild  
Pershing Rifles  
Phi Epsilon Kappa  
Physical Therapy Club  
Physicians for Social Responsibility  
Physics Graduate Student Association  
Pirate Bridge Club  
Power of One  
Professional Association of Industrial Distribution  
Rebel  
Recreation and Leisure Studies Graduate Society  
Residence Hall Association

School of Health and Human Performance Graduate  
Student Organization  
School of Music Graduate Student Organization  
Science Education Club  
Scott Hall Council  
Sculpture Guild  
Sign Language Club  
Slay/Umstead Hall Council  
Society for Advancement of Management  
Society for Clinical Laboratory Science  
Society for Technical Communication  
Society of Physics Students  
Student Accounting Society  
Student Association of Latino-Spanish Affairs  
Student Athletic Advisory Council  
Student Athletic Trainer's Club  
Student Council for Exceptional Children  
Student Dietetic Association  
Student Government Association  
Student North Carolina Association of Educators  
Student Occupational Therapy Association  
Student Pirate Club  
Student Rehabilitation Association  
Student Union  
Student Volunteers for REAL  
Students for a Free Tibet  
Students United  
Swim Club  
Tae Kwon Do  
Tai Chi  
The Circle  
The Light  
The Navigators  
Textile Guild  
Thespians for Diversity  
Tyler Hall Council  
Undergraduate Sociological Society  
Underwater Hockey Club  
VOICE  
Wakeboard Club  
Waterski/Wakeboarding  
White Hall Council  
Women's Lacrosse Club  
Women's Rugby Club  
Women's Soccer Club  
Women's Ultimate Frisbee  
Women's Volleyball Club  
Women's Water Polo Club  
WZMB – Student Radio Station

**MUSIC GROUPS****Large Performance Groups**

Chamber Singers  
Concert Band  
Concert Choir  
Jazz Ensemble  
Marching Pirates

Symphonic Band  
Symphony Orchestra  
University Chorale  
Wind Ensemble

**Small Performance Groups**

Brass Chamber Music  
Collegium Musicum  
Jazz Chamber Music  
Madrigal Singers  
Opera Theatre

Percussion Ensemble  
Saxophone Chamber Music  
String Orchestra  
Woodwind Chamber Music

**SOCIAL FRATERNITIES AND SORORITIES**

College Panhellenic Association  
Interfraternity Council

Junior Panhellenic Council  
National Pan-Hellenic Council

**Fraternities**

Alpha Sigma Phi  
Alpha Phi Alpha  
Delta Chi  
Delta Sigma Phi  
Epsilon Chi Nu  
Kappa Alpha Order  
Kappa Alpha Psi  
Kappa Sigma  
Lambda Chi Alpha  
Omega Psi Phi  
Phi Beta Sigma

Phi Kappa Psi  
Phi Kappa Tau  
Pi Kappa Alpha  
Pi Kappa Phi  
Sigma Alpha Epsilon  
Sigma Nu  
Sigma Phi Epsilon  
Sigma Pi  
Tau Kappa Epsilon  
Theta Chi

**Sororities**

Alpha Delta Pi  
Alpha Kappa Alpha  
Alpha Omicron Pi  
Alpha Phi  
Alpha Xi Delta  
Chi Omega  
Delta Sigma Theta

Delta Zeta  
Kappa Delta  
Sigma Gamma Rho  
Sigma Omicron Epsilon  
Sigma Sigma Sigma  
Zeta Phi Beta  
Zeta Tau Alpha

**RELIGIOUS ORGANIZATIONS**

As a tax-supported institution, East Carolina University neither promotes nor recommends a specific religious faith. The university does, however, encourage the participation of students and faculty members in the activities of their faith.

The groups which carry on regular activities either on campus or in their own student centers off campus are the following:

Apostolic Campus Ministry  
Baptist Student Union  
Buddhist Meditation and Study Group  
Campus Crusade for Christ  
Campus Christian Fellowship  
Episcopal Campus Ministries

Hillel (Jewish)  
Inter-Varsity Christian Fellowship  
King Youth Fellowship  
Latter-Day Saint Student Group Association  
Muslim Student Association  
New Generation Ministries

**SECTION 2: STUDENT LIFE**

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Newman Catholic Student Center  
Presbyterian Campus Ministry  
Students for Christ  
The Cross Culture  
The Gift of Life

The Way Campus Fellowship  
Victory Campus Ministries  
Wesley Foundation of Greenville  
Young Life

**SPORTS AND ATHLETICS**

East Carolina University is a Division I member of the National Collegiate Athletic Association (NCAA) and competes in Conference USA. The following intercollegiate sports are offered.

**Men’s**

Fall—football, tennis, cross country, and soccer  
Winter—basketball, diving and swimming, and indoor track  
Spring—baseball, tennis, golf, and outdoor track

**Women’s**

Fall—volleyball, tennis, cross country, and soccer  
Winter—basketball, diving and swimming, and indoor track  
Spring—softball, golf, tennis, and outdoor track

Various sports camps are sponsored for boys and girls. For availability of sport camps held from year to year, please contact the athletic business office.

Intramural and club sports opportunities as well as additional summer sports and adventure camps are available through the Department of Recreational Services.

**CULTURAL OPPORTUNITIES**

**ART GALLERIES AND EXHIBITIONS**

The Leo W. Jenkins Fine Arts Center, which houses the Wellington B. Gray Art Gallery, is operated under the School of Art. The Gray Art Gallery installs temporary exhibitions of contemporary art, including national and international traveling shows and ECU faculty and student exhibitions.

There are weekly shows by School of Art majors in the Mendenhall Student Center, Baptist Student Center, and Jenkins Fine Arts Center as well as several locations in the community.

Student organizations, such as Craftsmen East, Ceramics Guild, Printmakers Guild, Design Associates, Painting and Drawing Association, Visual Arts Forum, Art Educational Guild, and other student art groups, hold programs, sales, and exhibitions during the year.

Visiting artists and scholars in contemporary art fields present lectures, seminars, and workshops to supplement the curriculum.

**SCHOOL OF MUSIC CONCERTS**

The School of Music annually mounts a vigorous concert program providing musical enrichment for the cultural life of the university community. All events are open to the public and include a faculty recital series; student recitals; a series of concerts by School of Music performance organizations, both instrumental and choral; opera workshop productions; and a series of chamber music concerts. A diversified musical repertoire provides the listener with a wide variety of music. Premiere performances of compositions by student and faculty composers are a feature of many concerts. Visiting artists, composers, and lecturers of international stature conduct master classes for School of Music students and faculty. Frequently scheduled is the presentation of a major choral-orchestral work by the combined forces of the School of Music.

**EAST CAROLINA UNIVERSITY POETRY FORUM**

The East Carolina University Poetry Forum conducts an informal workshop in poetry which meets in the Mendenhall Student Center at 8:00 p.m. each first and third Thursday during the months of the academic year. The forum sponsors the visits of established poets: Robert Creeley, Patricia Goedicke, William Stafford, James Dickey, Carolyn Kizer, Lucille Clifton, Fred Chappell, and Louis Simpson are among the poets who have read on the ECU campus.

### **S. RUDOLPH ALEXANDER PERFORMING ARTS SERIES**

The S. Rudolph Alexander Performing Arts Series of East Carolina University is the quality concert series of eastern North Carolina. Selected and presented by the S. Rudolph Alexander Performing Arts Series Committee of the Department of University Unions, this series annually presents world-acclaimed ensembles, choral groups, instrumentalists, vocalists, and theatre and dance companies in Wright Auditorium.

### **POPULAR ENTERTAINMENT COMMITTEE**

The Popular Entertainment Committee annually presents on campus artists from the world of jazz, folk, rhythm and blues, rock, and popular entertainment. Funds to provide the coffeehouse programs are supplied by the Student Union.

### **BAREFOOT**

A Student Union committee, Barefoot, develops plans and programs to be carried out for the annual, all-day celebration of spring.

### **CULTURAL AWARENESS**

Presenting programs which emphasize minority cultures and interests is the responsibility of the Student Union Cultural Awareness Committee. The committee annually sponsors minority films, a Jewish and International Festival, a Black Arts Festival, and handicapped awareness week programs.

### **FILMS**

Throughout the year films are presented each week on campus. The Films Committee, which is part of the Student Union, selects popular films and presents them each Thursday, Friday, and Saturday night. The committee also selects foreign films and American classics and presents them on Wednesday evenings. Funds to provide the films are made available by the Student Union.

### **TRAVEL-ADVENTURE FILM AND THEME DINNER SERIES**

Budget trips to places such as New York City are made available by the Student Union. The Travel Adventure Film and Dinner Series is also presented by the Mendenhall Student Center. The ECU Travel-Adventure Film and Theme Dinner Series presents world travel films and serves gourmet dinners in Mendenhall Student Center. Some of the world's finest travel film-makers narrate travelogues to exotic locales. All films are accompanied by all-you-can-eat gourmet buffets. Films are scheduled at 4:00 p.m. and 7:30 p.m., and dinner is served at 6:00 p.m. An ECU student and guest may attend the films free with a valid ECU One Card. Dinners may be purchased by cash, meal plan, or declining balance account. For information call the Central Ticket Office at 252-328-4788.

### **SPECTRUM**

The Spectrum Committee presents programs which are of interest and high entertainment value. Lecturers, hypnotists, mimes, and comedians are but a few examples of this committee's programs.

### **VISUAL ARTS**

The Student Union Visual Arts Committee presents major touring exhibitions and works by area artists. The annual ILLUMINA Show, featuring works by student artists, is one of the committee's most noteworthy activities and is displayed in Mendenhall Student Center's gallery.

### **RECREATION**

Bowling, billiards, table tennis, and other tournaments are conducted in Mendenhall Student Center. Noncredit short courses are also planned and presented. Additional recreational opportunities are available at the Student Recreation Center through the Department of Recreational Services.

### **CENTRAL TICKET OFFICE**

Tickets for all concerts, entertainment, performing arts series performances, and lectures sponsored by the Student Union and the Department of University Unions are available in the Central Ticket Office, which is located in Mendenhall Student Center. By presenting his or her ID card, a student may purchase, at reduced prices, tickets for concerts and the S. Rudolph

## **SECTION 2: STUDENT LIFE**

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Alexander Performing Arts Series. A student may purchase another student's tickets at the same time he or she purchases his or her own tickets by presenting the other student's ID card. Tickets for faculty, staff, and the public are available also. A student may be required to show his or her ID card, along with his or her ticket, for admission to certain activities.

### **EAST CAROLINA PLAYHOUSE**

The East Carolina Playhouse is the producing arm of the Department of Theatre and Dance. The Fine Arts and Performing Groups Board contributes partial funding for the playhouse to produce a musical (often in conjunction with the School of Music), plays, and a dance concert. Although preference in casting is given to students, roles in the productions are open to faculty and staff members of the university and to citizens of Greenville and the surrounding area. Freshmen are eligible to audition for productions in their first semester. Students and others also take part in all areas of technical production.

### **BANKING SERVICES**

Twenty-four-hour automated banking machines are available at Mendenhall Student Center and adjacent to the Rawl Building on the Student Plaza.

### **STUDENT STORES**

Dowdy Student Stores, owned and operated by East Carolina University, is an auxiliary enterprise for the convenience of the university community. The Student Stores stocks books, school supplies, computers, and other tools of the educational process for the students on campus as well as those taking classes taught on-line and throughout eastern North Carolina by the Division of Continuing Education. The Student Stores also carries an extensive line of imprinted ECU merchandise featuring apparel, gifts, jewelry and various accessories. Dowdy Student Stores contributes profits to scholarship programs and is among the top donors to the General Scholarship Fund. Textbooks and other information are available through the Student Stores web site at [www.studentstores.ecu.edu](http://www.studentstores.ecu.edu) or phone 252-328-6731 (toll free: 1-877-499-TEXT).

### **TRAFFIC RULES AND REGULATIONS**

Regulations governing traffic, parking, registration of motor vehicles, and enforcement are set forth in the *East Carolina University Traffic Ordinance*, which is available at the Department of Parking and Transportation Services, 305 East Tenth Street. All students desiring to utilize campus parking facilities must register their vehicles with Parking and Transportation Services and purchase a parking permit decal. A student desiring to register a motor vehicle not owned by himself or herself, a spouse, a parent, or a guardian must obtain special permission from Parking and Transportation Services.

Parking permits allow parking in specific areas. Signs in each lot indicate the permit type authorized for the parking spaces in the lot. Freshmen vehicles are not permitted to park on the main campus during the week. On Friday afternoon at 4:00 p.m., registered freshmen vehicles may park in resident areas around the residence halls. Freshmen vehicles must be off campus by 12:00 midnight Sunday evening. There are thirty-minute metered loading zones located at the residence halls which freshmen vehicles are permitted to utilize as long as the meter is activated.

The university's towing policy is strictly enforced. Parking on campus is by permit only and the permit must be properly displayed. Unregistered vehicles parking on campus may be towed; vehicles with three or more uncleared parking tickets may be towed; and any vehicle illegally parked in a towing enforced zone may be towed.

There is no overnight visitor parking in the university residence hall areas between Sunday midnight and 4:00 p.m. Friday. Visitors to campus must obtain a visitor's parking permit from Parking and Transportation Services, which operates from 7:30 a.m. to 5:00 p.m., Monday through Friday. After business hours, visitor permits may be obtained from the University Police Department, which operates twenty-four hours a day, seven days a week. Visitors should clear any citations with Parking and Transportation Services before leaving campus. Students are held responsible for uncleared traffic citations traced to their family members. For more information, access [www.ecu.edu/parking](http://www.ecu.edu/parking) or telephone 252-328-6294.

### **STUDENT CONDUCT**

Students enrolled at East Carolina University are expected to uphold at all times standards of academic integrity and personal behavior that will reflect credit upon themselves, their families, and East Carolina University. Students are also expected to behave with propriety and to respect the rights and privileges of others. They are expected to abide by the laws of the city, state, and nation and by all rules and regulations of East Carolina University. Failure to do so may result in

their being sanctioned by or separated from the university.

Registration at the university implies the student's acceptance of the published academic regulations and all other rules found in any official publication or announcements. Conduct regulations, including the academic integrity policy, are described in the *Clue Book*.

### **ACADEMIC INTEGRITY**

Academic integrity is expected of every East Carolina University student. Academically violating the Honor Code consists of the following: cheating, the giving or receiving of any unauthorized aid or assistance or the giving or receiving of unfair advantage on any form of academic work; plagiarism, copying the language, structure, ideas, and/or thoughts of another and adopting those as one's original work; falsification, statement of untruth, either verbal or written, regarding any circumstances relating to academic work; and attempting any act which if completed would constitute an academic integrity violation as defined above. Procedures governing academic integrity violations are described in the *Clue Book* and in the *Faculty Manual*.

No student may drop the involved course or withdraw from school prior to resolving an academic integrity charge.

### **POLICY ON SUBSTANCE ABUSE**

The East Carolina University Policy on Substance Abuse details the university's commitment to prevent substance abuse through education and counseling and its duty to discipline those members of the academic community who engage in illegal alcohol and/or drug-related activities. (The text of this policy is set out in the appendix.) East Carolina University, in keeping with its primary purpose of education, will utilize educational strategies as its major approach to drug use and abuse problems. Educational and counseling programs are available to all members of the academic community.

Students, faculty members, administrators, and other employees are responsible, as citizens, for knowing about and complying with the provisions of the North Carolina law that make it a crime to possess, sell, deliver, or manufacture those drugs designated collectively as "controlled substances" in Article 5 of Chapter 90 of the North Carolina General Statutes. Any member of the university community who violates that law is subject to both prosecution and punishment by the civil authorities and to disciplinary proceedings by the university. Penalties will be imposed by the university in accordance with procedural safeguards applicable to disciplinary actions against students, faculty members, administrators, and other employees. These penalties to be imposed by the university may range from written warnings with probationary status to expulsions from enrollment and discharges from employment.

### **THE CLUE BOOK (Student Handbook)**

A student handbook, also referred to as the *Clue Book*, is available to university students on-line. This publication contains sections entitled Where to Go for Solutions, Academic Calendars, Exam Schedules, University Policies and Regulations, Student Government Association, Judicial System, Residence Hall Policies and Guidelines, Use of University Facilities Policy, Solicitation and Posting Policy, Racial and Ethnic Harassment Policy, Sexual Harassment Policy, and Safety and You. The *Clue Book* can be viewed and downloaded at [www.ecu.edu/studentlife/cluebook](http://www.ecu.edu/studentlife/cluebook).

A printed version may be obtained from any office within the Division of Student Life, particularly the Office of Student Conflict Resolution, Mendenhall Student Center Information Desk, Office of University Housing Services, Neighbor Offices, the Office of the Associate Vice Chancellor for Student Success, and the Office of the Vice Chancellor for Student Life.

### **CAMPUS SAFETY**

Information about criminal activity on the ECU campus, streets and sidewalks adjacent to campus, and in noncampus properties controlled by recognized student organizations is available at [www.ecu.edu/studentlife/studentsuccess](http://www.ecu.edu/studentlife/studentsuccess). This web publication provides information about the security of campus facilities, including residence halls; crime prevention information; information about services and counseling for victims of violence, including sexual assault and domestic violence; and the substance abuse policy.

Unless otherwise specified, admissions to all curricula are under the jurisdiction of the director of admissions, from whose office application forms may be secured. The completed forms with required evidence of eligibility should be submitted to the director of admissions as soon as possible. Applicants should contact the admissions office to determine deadline dates for each academic term. All students who are seeking college credit, whether or not they are working toward a degree, must gain admission to the university.

The university seeks to admit undergraduate students who show evidence of being able to succeed in and benefit from academic programs of the rigor offered. The admission decision is based on those criteria indicative of performance and potential as listed below. The chancellor or his designee may admit students whose special talents indicate success in programs requiring those talents.

East Carolina University is an equal educational opportunity institution; and, in keeping with this policy, the university makes no distinction in the admission of students, or in any other of its activities, on the basis of race, color, gender, sexual orientation, creed, disability, age, or national origin.

To serve the varied interests, the university admits students at the beginning of any regular term or either term of the summer session. Specific admission requirements are listed below.

### **GENERAL INFORMATION**

Applicants who have registered in other colleges, universities, or technical institutes (whether or not they earned credit or wish to transfer credit) are required to submit official transcripts of all previous college attendance to the admissions office. All official records must be forwarded from the institution previously attended and must be on file in the admissions office before a student can be admitted. Falsification of the application or any academic records will result in dismissal from East Carolina University.

Transcripts will be evaluated on the basis of East Carolina University requirements, not those of any institutions previously attended. If a transfer student meets all admission requirements, full credit will be awarded for all transfer courses passed with a grade of C or better and for which East Carolina University has equivalent courses. To have a transcript evaluated, the student must have on file in the admissions office an application for admission, the \$45 application fee, and an official transcript from each school previously attended.

Any record submitted for evaluation may be totally or partially disallowed according to East Carolina University policies and regional accrediting association regulations. East Carolina University routinely accepts credit from institutions accredited by regional accrediting associations. Validating examinations may be required in any or all subjects and will be required for work done at institutions not accredited by regional associations if the student wishes to establish such credit. All transfer students must earn a minimum of one-half the hours of credit required for graduation at a regionally accredited senior college; a minimum of 30 s.h. and one-half the hours in the major must be completed at ECU.

In exceptional cases, students may secure the equivalent of transfer credit by passing previously arranged special examinations in subjects in which they have systematically acquired knowledge under conditions which did not permit their earning transferable credit. Freshmen whose high school records and/or pre-entrance tests show unusual achievement and promise in a subject may take special examinations to receive college credit. (See Advanced Placement and Credit, below.) Limits on the number of semester hours of credit earned by special examination may be imposed by schools or departments. Credit earned by examination may not be used to reduce minimum residence requirements.

Grades transferred from another institution are not considered in computing the GPA at East Carolina University, except in the case of seniors graduating with honors.

In addition to the above, the board of trustees has authorized the Admissions and Retention Policies Committee, at its discretion, to require a personal interview and/or any test deemed advisable.

Although a satisfactory health certificate is not required for university admission, it is required for enrollment.



**ADMISSION****FRESHMEN**

Admission requirements for freshmen are listed below:

1. Certificate of graduation (or its equivalent) from an accredited secondary school and a satisfactory scholastic record.
2. Twenty acceptable units of secondary school credit, including in English, four course units emphasizing grammar, composition, and literature; in mathematics, three course units including algebra I, algebra II, and either geometry or a higher-level mathematics course for which algebra II is a prerequisite; in science, three course units, including at least one unit in a life or biological science (for example, biology), at least one unit in a physical science (for example, physical science, chemistry, physics), and at least one laboratory course; and in social studies, two course units, including one unit in US history, but an applicant who does not have the unit in US history may be admitted on the condition that at least 3 s.h. in that subject will be passed by the end of the sophomore year. In addition, it is recommended that prospective students complete at least two course units in one foreign language and take one foreign language course unit and one mathematics course unit in the twelfth grade.
3. Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board (P.O. Box 592, Princeton, New Jersey 08540, or P.O. Box 1025, Berkeley California 94701) or American College Test Assessment (American College Testing Program, P.O. Box 168, Iowa City, Iowa 52240). Applications for either of these examinations should be available at the high school. Official scores should be sent to the Office of Admissions, East Carolina University.
4. A nondeductible, nonrefundable application fee of \$45.

East Carolina University recommends that prospective students complete at least one course unit in the arts. Admission to the university does not guarantee admission to individual programs; individual program admission requirements are described in the specific academic sections.

**Advanced Placement and Credit**

Applicants who present acceptable grades on advanced placement examinations of the College Entrance Examination Board will be given credit or advanced placement in the appropriate subject matter areas. Applicants who complete an international baccalaureate may receive some college credit. Additional information on acceptable examinations and required scores is available in the Office of Admissions.

Credit may also be given for acceptable performance in the appropriate subject matter areas on both the general examination and subject examinations of the College Level Examination Program and Defense Activity Nontraditional Education Support. Additional information concerning required scores and acceptable tests is available in the Office of Admissions.

***Placement Testing***

Placement tests are given in mathematics, foreign language, and chemistry. However, placement tests will not be administered, nor will placement credit be awarded, in any of the three academic areas in which the student has earned any college credit. Credit earned through placement testing is awarded without grade and without quality points, and no fee is exacted for such credit. (See below.) The student should strive for a high score on placement tests because the resulting reduction in the number of credits to be earned to satisfy minimum requirements for graduation and the time made available for elective courses justify the effort. Tests are scheduled during the summer orientation program and at certain other times as determined by the department concerned. Information pertinent to each area is included in the sections immediately following.

**English**

Entering freshmen who present a grade of 3 on the College Entrance Examination Board (CEEB) Advanced Placement Examination (language and composition or literature and composition) receive 3 s.h. credit and enroll in ENGL 1200 to complete the composition requirement. Students with scores of 4 or 5 receive 6 s.h. credit and have completed the composition requirement. Honors students who do not take the CEEB Advanced Placement Examination or who present a grade below 3 may enroll in honors sections of ENGL 1100. Quality points will be granted only for those students who complete ENGL 1100 and/or 1200 through regular class attendance.

## Foreign Language

To determine the university level of foreign language study at which students may most profitably continue the language(s) they took in high school, a placement test should be taken by all students who have only high school credit in foreign language(s) and wish to earn college level credit at ECU. (See Placement Testing, above.)

Students exercising the option to take the foreign language placement test may enroll in a course one level lower than the placement indication without departmental approval either during drop/add or by the fifth day of class. After successful completion of the course, students will, upon request, receive bypass credit for the course(s) sequentially preceding the one completed. This policy is to be applied to all students regardless of the date of their entry to the university.

Students who take the placement test may also receive bypass credit for language levels 1001 through 1004, but only upon satisfactory completion of validating procedures administered on this campus, as follows:

1. Upon completion of level 1002 with a passing grade, students will receive bypass credit for level 1001.
2. Upon completion of level 1003 with a passing grade, students will receive bypass credit for levels 1001 and 1002.
3. Upon completion of level 1004 with a passing grade, students will receive bypass credit for levels 1001, 1002, and 1003.
4. Upon completion of a course above level 1004 with a passing grade, students will receive credit for levels 1001, 1002, 1003, and 1004.

Entering students who plan to continue their language study are strongly advised to do so as soon as possible after admission to the university. Any questions concerning placement and bypass credit should be directed to the chairperson of the Department of Foreign Languages and Literatures.

Students who do not wish to take the placement test in the language they choose to study must enroll in level 1001. Students with college bypass credit in a particular foreign language from another institution are not eligible to take the placement test in that language. Students who wish to study a different language from the one studied in high school may earn credit beginning with level 1001.

Foreign students are not eligible to take the placement test in their native language and receive bypass credit for basic elementary and intermediate level courses in that language. They are encouraged to take advanced courses in their native language; however, they should see the chairperson of the Department of Foreign Languages and Literatures before enrolling.

## Mathematics

Students who earn a high score on the math placement test may enroll in one of the following: MATH 1065, 1066, 1067, 1083, 1085, or 2127, all of which count toward the general education mathematics requirement. MATH 1050, which also counts toward the general education mathematics requirement, does not require a placement exam score. Students who earn a high score on the math placement test are eligible to receive credit for MATH 1065 (College Algebra) and for MATH 2127 (Basic Concepts of Mathematics) by passing a bypass examination. These bypass examinations are administered either during summer orientation or on registration day of the fall semester. Students who are successful on the MATH 1065 bypass examination will receive 3 s.h. credit and may proceed to the next mathematics course of his or her choice for which MATH 1065 is a prerequisite. Students who are successful on the MATH 2127 bypass examination will receive 3 s.h. of credit and may proceed to the next mathematics course of his or her choice for which MATH 2127 is a prerequisite. Students contemplating transfer to East Carolina University may make arrangements to take the placement test during the summer program. For other mathematics courses, arrangements may be made for credit by examination by contacting the Department of Mathematics.

## TRANSFER STUDENTS General Transfer

General admission requirements for transfer students are listed below:

1. Official transcript(s) from each college, technical institute, or university previously attended showing the following:
  - a. A satisfactory grade point average (GPA) on all transferable hours attempted. (Some professional schools may require a GPA which is higher than that required by the university for admission to their programs.)

## SECTION 3: ADMISSION

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- b. Honorable dismissal and eligibility to return to the college or university at which last matriculated. (Attendance only at summer school or evening school does not apply)

2. Nondeductible, nonrefundable application fee of \$45.

Admission to the university does not guarantee admission to individual programs. Individual program admission requirements are described in the specific academic sections.

It is the student's responsibility to request that all transcripts and other records be forwarded to the admissions office.

NOTE: Transfer students must meet the University of North Carolina subject matter admission requirements by completing high school courses as stated above or by completing 6 degree-creditable semester hours each in English, mathematics, science, and social studies at a regionally accredited institution other than East Carolina University. (See Admission, Freshmen.) In addition, those who present fewer than 30 s.h. (45 q.h.) of transferable credits with a minimum GPA of 2.0 must have satisfactory high school grades and test scores to qualify as freshmen.

### **Transfer with Associate Degree**

Admission of transfer students with an associate degree is based on the following criteria.

1. The applicant must have earned the associate of arts, associate of science, or associate of fine arts degree with a cumulative 2.0 GPA or higher.
2. The applicant must have earned the degree at an institution that is accredited by the Southern Association of Colleges and Schools.
3. The applicant must have earned a minimum of 16 s.h. or 23 q.h. at the institution conferring the degree.

### **SUMMER SESSION**

1. For those working toward a degree from East Carolina University, all of the admission requirements must be met.
2. For any visiting student, a statement must be presented from the dean or registrar of the college or university at which the student is enrolled, verifying good standing and recommending the courses to be taken.
3. Students holding a baccalaureate degree and seeking only nondegree credit should apply to the Graduate School.

### **GRADUATE SCHOOL**

All questions concerning graduate work, including admission, should be directed to the dean of the Graduate School. Also, see the graduate catalog.

### **PERFORMANCE-BASED ADMISSION POLICY**

Individuals who are at least twenty-four years of age (nontraditional students) or individuals whose high school class graduated three or more years prior to the expected date of entry and who meet UNC minimum admission requirements may be permitted to enroll in the university under a performance-based admission policy that specifies retention stipulations provided they meet one of the following conditions. (See General Transfer, Note, above.) The student must

1. have had no previous college experience or
2. have had previous college experience but have not been matriculated within the past one year and are eligible to return to the previous institution but do not meet all stated university admission requirements or
3. have had previous college experience, are not eligible to return to the previous institution, and have not been matriculated at the collegiate level for at least three years prior to the expected date of entry.

Individuals enrolled as degree-seeking students under the performance-based admission policy must achieve a minimum cumulative GPA of 2.2 and meet all retention stipulations by the end of the semester in which the twenty-eighth semester hour of degree creditable work is attempted. Failure either to meet the GPA requirement or to satisfy the retention stipulations will result in the student's being ineligible to continue enrollment at ECU. (See Section 5, Academic Regulations, Readmission.)

Students enrolling under this policy must comply with all university policies regarding the payment of tuition and fees and must comply with NC state law concerning health and immunization.

These students are assigned for advisement and registration to the University College. After satisfying retention stipulations, they are reassigned to the General College or to the school/department of their intended major.

An individual enrolled under the performance-based admission policy may not declare a major, compete in intercollegiate athletics, or participate in student exchange programs until all retention stipulations specified in his or her admission letter have been satisfied.

## **VETERANS AND CHILDREN OF DECEASED AND DISABLED VETERANS**

Veterans and children of deceased and disabled veterans must meet regular admission requirements. They should make preliminary application for any educational benefits due them directly to East Carolina University or to the nearest regional Office of the Veterans Administration well in advance of the desired admission date so that the necessary details and documents may be obtained. (See Section 4, Expenses, Financial Aid, Students Receiving Veterans Administration Educational Payments.)

## **INTERNATIONAL STUDENTS**

East Carolina University actively seeks to attract international students into its undergraduate and graduate programs. The presence of these students, with their varied geographic and educational backgrounds, helps promote international goodwill and understanding in North Carolina and provides an opportunity for other university students to further their knowledge and appreciation of the cultures of many lands.

The Office of International Affairs serves as a clearinghouse for the admission of international students. Publications about the university, international student application forms, and other materials are distributed worldwide to prospective students. Academic assessments, financial evaluations, and immigration issues as well as admissions are handled through this office. Students interested in applying from abroad may do so through inquiries to the Office of International Affairs, International Admissions, East Carolina University, Greenville, NC 27858-4353. International admissions information is available on the ECU web site.

International students who wish to apply for admission to the university must possess a good working knowledge of English and demonstrate satisfactory achievement on the Test of English as a Foreign Language (TOEFL). Special application forms are required and are available in the Office of International Affairs. East Carolina University is authorized under federal law to enroll nonimmigrant alien students.

The Office of International Affairs also assists ECU students from other countries with the many matters that are of particular concern to them during their stay in the United States. Inquiries may be directed to the Office of International Affairs, International Student Adviser, East Carolina University, Greenville, NC 27858-4353.

A student from a country other than the United States may apply to the chairperson of the Department of Foreign Languages and Literatures for a departmental certificate of American studies for foreign students. In order to qualify for this certificate, a student must pass a minimum of 14 s.h. of graduate or undergraduate course work with a minimum grade of C. A certificate with distinction shall be awarded to a student who completes a program of 20 s.h. of which at least 14 s.h. are passed with a minimum grade of B.

## **NONDEGREE ENROLLMENT**

Individuals may be allowed to enroll in the university on a space-available basis as either nondegree or visiting students if they qualify under one of the categories listed below. For advisement and registration purposes, visitors are assigned to the Office of Undergraduate Studies; nondegree students are assigned to University College.

### **NONDEGREE**

Many individuals desire to take courses for valid reasons such as certification, needs arising from the workplace, and self-satisfaction. Often such plans do not require working toward a baccalaureate degree. Individuals who have not earned a baccalaureate degree and who desire to participate in this program should contact the Office of Admissions for additional information. Individuals who have earned a baccalaureate degree desiring to enroll as nondegree students should contact the Graduate School for a nondegree graduate application and additional instructions.

### **SECTION 3: ADMISSION**

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Individuals enrolled as nondegree undergraduate students can apply no more than 28 s.h. earned in this status toward an undergraduate degree upon admission to East Carolina University. However, nondegree enrollees may not use those hours to satisfy UNC minimum admission requirements for admission to East Carolina University but may transfer them to another institution.

#### **VISITORS**

Students attending another accredited college or university may desire to attend East Carolina University for a limited period of time and then return to their original institutions. Such applicants must complete a visitor's application and have the dean or other appropriate official at the parent institution verify that the applicant is in good standing. This official should specify the courses to be taken at East Carolina University. The student should enroll in only specified courses and then only if the required prerequisite courses or their equivalents have been completed. Enrollment as a visitor will be limited to no more than 28 s.h. earned at East Carolina University. Credit earned as a visiting student cannot be used to establish eligibility for admission to East Carolina University, but up to 28 s.h. earned at East Carolina University may be applied after the student has been admitted.

#### **ENROLLMENT DEPOSIT**

Applicants who are admitted as undergraduate students are required to remit a nonrefundable deposit of \$30 to signify their intention to enroll. All enrolling applicants will receive credit for the \$30 deposit toward their tuition and fees.

Applicants who are accepted for admission to East Carolina University for the fall semester must deposit the \$30 with the university cashier by May 1 or shortly after admission; applicants who are admitted for the spring semester must remit the deposit by November 15. The approval for admission will be tentative until the deposit and all required final academic records are received and reviewed to ensure that admission standards have been met. If the deposit is not received by the deadline, the applicant's acceptance will be continued only if space in the university is available.

Because of the early publication of this catalog, the tuition and fee schedule is omitted. The current university schedule of tuition and fees can be obtained from the cashier's office and the admissions office.

It is estimated that the average student who is a North Carolina resident incurs necessary expenses of approximately \$7000 to \$8,000 for room, meals, tuition, fees, and books during an academic year of two semesters. The costs of meals and textbooks may vary considerably, according to individual requirements. The university operates food service facilities in six locations throughout the campus. Meals are available either under a meal plan or by individual selections at moderate prices. A cost of approximately \$1,100 per semester for meals is an estimate. Students are required to purchase their textbooks. For their convenience, the university owns and operates a depository, the Student Stores, located on the ground floor of the Wright Building, where all necessary books and supplies may be purchased. The cost of books will vary with the different curricula; \$350 per semester is a reasonable estimate.

All applicants for admission are required to pay a \$45 nondeductible, nonrefundable application fee. (See Section 3, Admission, Enrollment Deposit.)

### FEE PAYMENT SCHEDULE

Returning students or those admitted and registering before the collection of fees begins for the fall or spring semesters will be subject to a late payment fee if tuition and fees are not paid by a published deadline, which usually precedes registration day by about two weeks. To avoid having schedules canceled, tuition and fees must be paid no later than 4:00 p.m. on the last day before registration day.

Students admitted to the university as nondegree students and those pursuing graduate degrees and sixth-year certificates will be charged tuition and fees as graduates.

Tuition and fees are subject to revision by The UNC Board of Governors and/or the ECU Board of Trustees, who reserve the right to revise them at any time found necessary or advisable and without prior notice.

No person is allowed to attend class or receive class instruction without being properly registered either for credit or for audit.

See bulletins for summer session and continuing studies fees.

### TUITION SURCHARGE

The tuition surcharge of 25 percent applies to all undergraduates seeking a baccalaureate degree at ECU with a matriculation date of fall 1994 or later under conditions described below. Credit hours to be included in the total include the following:

1. all regular session degree-creditable courses taken at ECU, including repeated courses, failed courses, and those dropped after the last date to add a course; and
2. all transfer credit hours accepted by ECU (except those taken at another UNC institution through summer school or through degree-credit extension).

Credit hours to be excluded are those earned through: 1) The College Board's AP and CLEP programs or alternative programs; 2) institutional advanced placement, course validation, or any similar procedures for awarding course credit; and 3) a summer session or degree-credit extension division of ECU.

The credit-hour threshold for imposing the surcharge depends upon the number of hours required to earn the degree. For students earning a first baccalaureate degree in a program that requires no more than 128 s.h., the surcharge is applied to all hours in excess of 140 s.h. For students earning a first baccalaureate degree in a board-approved program that requires more than 128 s.h., the surcharge is applied to all hours that exceed 110 percent of the hours required for the degree. Examples of such programs include those that have been officially designated by the Board of Governors as five-year programs, programs involving double majors, and combined bachelor's/master's degree programs. For students earning a baccalaureate degree other than their first, the surcharge shall be applied to all hours that exceed 110 percent of the minimum additional hours needed to earn the additional baccalaureate degree.

**Exemption:** *The surcharge will not be imposed on undergraduates who complete a first four-year baccalaureate degree program in eight or fewer regular term semesters or the equivalent or a five-year program taken in ten or fewer regular term semesters or the equivalent.*

### STUDENTS RECEIVING VETERANS ADMINISTRATION EDUCATIONAL PAYMENTS

The Offices of Veterans Administration (VA) and Social Security require a minimum course load of 12 s.h. of required courses per semester (except summer session) for payment of full-time benefits to veterans and eligible dependents.

East Carolina University is approved for a student to take up to 56 s.h. of general education courses. After a student receives the 56 s.h., he or she must declare a major either officially or unofficially for the VA. The 56 s.h. will include transfer credits and credits earned on campus.

After the student declares a major, benefits will be paid only for courses listed in the catalog under that degree/major program. Substitutions are allowed when the major chairperson gives written approval prior to the student's taking the course.

Students declared academically ineligible will be required to remove their probation before educational benefits can be recertified to the VA.

Students may be eligible for an additional allowance under a work-study program. The work-study program allows students to perform work for the VA in return for an hourly wage. They may perform outreach services under the supervision of a VA employee, prepare and process VA paperwork, work in a VA medical facility, or other approved activities. Students must be enrolled at three-quarter or full-time rate.

Students may be eligible to receive a special allowance for individual tutoring if they enter school at one half-time or more. To qualify, students must have a deficiency in a subject, making the tutoring necessary. There is no entitlement charged for tutorial assistance.

Further information is available at the campus veterans affairs office.

### TUITION WAIVER FOR PERSONS AT LEAST 65 YEARS OF AGE

Persons 65 years of age and older who meet the requirements for the in-state rate of tuition and the university requirements for admission can have their tuition and fees waived provided space is available in the course being sought.

### RESIDENCE STATUS FOR TUITION PURPOSES

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

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

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

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

**Effect of Marriage.** Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstances insure that a person will become or continue to be a resident for tuition purposes. Marriage and the legal residence of one's spouse are, however, relevant information in determining residency

intent. Furthermore, if both a husband and his wife are legal residents of North Carolina and if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the twelve-month requirement for in-state tuition status.

**Military Personnel.** A North Carolinian who serves outside the state in the armed forces does not lose North Carolina domicile simply by reason of such service. And students from the military may prove retention or establishment of residence by reference, as in other cases, to residency acts accompanied by residency intent. In addition, a separate North Carolina statute affords tuition rate benefits to certain military personnel and their dependents even though not qualifying for the in-state tuition rate by reason of twelve months legal residence in North Carolina. Members of the armed services, while stationed in and concurrently living in North Carolina, may be charged a tuition rate lower than the out-of-state tuition rate to the extent that the total of entitlements for application tuition costs available from the federal government, plus certain amounts based under a statutory formula upon the in-state tuition rate, is a sum less than the out-of-state tuition rate for the pertinent enrollment. A dependent relative of a service member stationed in North Carolina is eligible to be charged the in-state tuition rate while the dependent relative is living in North Carolina with the service member and if the dependent relative has met any requirement of the Selective Service System applicable to the dependent relative. These tuition benefits may be enjoyed only if the applicable requirements for admission have been met; these benefits alone do not provide the basis for receiving those derivative benefits under the provisions of the residence classification statute reviewed elsewhere in this summary.

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

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

- a. If a minor's parents live apart, the minor's domicile is deemed to be North Carolina for the time period(s) that either parent, as a North Carolina legal resident, may claim and does claim the minor as a tax dependent, even if other law or judicial act assigns the minor's domicile outside North Carolina. A minor thus deemed to be a legal resident will not, upon achieving majority before enrolling at an institution of higher education, lose North Carolina legal residence if that person
  - (1) upon becoming an adult "acts, to the extent that the person's degree of actual emancipation permits, in a manner consistent with bona fide legal residence in North Carolina" and
  - (2) "begins enrollment at an institution of higher education not later than the fall academic term following completion of education prerequisite to admission at such institution."
- b. If a minor has lived for five or more consecutive years with relatives (other than parents) who are domiciled in North Carolina and if the relatives have functioned during this time as if they were personal guardians, the minor will be deemed a resident for tuition purposes for an enrolled term commencing immediately after at least five years in which these circumstances have existed. If under this consideration a minor is deemed to be a resident for tuition purposes immediately prior to his or her eighteenth birthday, that person on achieving majority will be deemed a legal resident of North Carolina of at least twelve months' duration. This provision acts to confer in-state tuition status even in the face of other provisions of law to the contrary; however, a person deemed a resident of twelve months' duration pursuant to this provision continues to be a legal resident of the state only so long as he or she does not abandon North Carolina domicile.

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



## SECTION 4: EXPENSES AND FINANCIAL AID

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

**Transfer Students.** When a student transfers from one North Carolina public institution of higher education to another, he or she is treated as a new student by the institution to which he or she is transferring and must be assigned an initial residence status classification for tuition purposes.

Copies of the most current North Carolina residency manual are available for inspection in the university residence classification section of the admissions office, Joyner Library, and Health Sciences Library. Students are responsible for being familiar with the contents of this source of regulation.

**Deadline for Application.** Any persons applying for the in-state rate of tuition should complete the current Residence Status Application and return it to the university residency classification office, in the Office of Admissions, at least three weeks prior to registration day for the semester or term they are seeking in-state tuition.

## WITHDRAWAL AND REFUND POLICY

### TUITION AND FEES

It is to the financial advantage of all students withdrawing, dropping to part-time status, or dropping to a lower block of credit hours to do so as early in the semester/session as possible. Refunds for tuition and required fees (excluding room and board charges which are determined by contractual agreement) will be made as follows for students who withdraw or drop to a lower block of credit hours.

- Through the first week of classes (five class days starting the first official day of classes for the university) tuition and required fees will be refunded at 100 percent minus a \$25 nonrefundable registration/processing fee.
  - The second week of classes (six to ten consecutive class days) tuition and required fees will be refunded at 75 percent minus the registration/processing fee.
  - The third week of classes (eleven to fifteen consecutive class days) tuition and required fees will be refunded at 50 percent minus the registration/processing fee.
  - The fourth week of classes (sixteen to twenty consecutive class days) tuition and required fees will be refunded at 25 percent minus the registration/processing fee.
  - Beginning with the fifth week of classes (twenty-first consecutive class day) refunds will not be considered.
- If the student wishes to appeal, the process must be initiated in writing to the Office of the University Comptroller.

All refunds are subject to the above noted time limitations and will be based on the difference between the amount paid and the charge for the block of hours for which the student is officially registered.

### POLICY EXCEPTIONS

There will be no refunds for private music lessons and/or remedial math after the first five class days of each semester.

A separate and extended refund policy exists for first-time federal Title IV financial aid recipients. Refer to financial aid materials or contact the Office of Student Financial Aid.

To officially withdraw from the university, a student must give written notice to the Office of Student Success.

Any refunds that a student is entitled to shall first be applied to outstanding financial obligations owed the university.

### SUMMER SESSIONS

The refund period for withdrawal or reduction in course load is limited to the first week of classes (five class days starting with the first official day of classes for the university). During this period, 100 percent of the tuition and fees will be refunded minus a \$25 registration/processing charge.

## **INDEBTEDNESS TO THE UNIVERSITY AND RETURNED CHECKS**

No degree, diploma, or certificate will be granted or transcript of credits furnished a student until all financial obligations to the university, other than secured student loans, have been paid. A student may not be permitted to register, to attend classes, or to take final examinations after the due date of any unpaid obligations.

A charge will be imposed by the Office of the Cashier, Student Stores, and other university offices for returned checks. They will also subject the maker to legal action and may jeopardize the privilege of cashing checks on campus.

## **FINANCIAL AID**

Through the use of federal and state funds as well as contributions from its many friends and alumni, East Carolina University makes every effort to assist students in the continuation of their education. The staff of the university Office of Student Financial Aid assists students in obtaining funds from the source best suited to the individual's need.

Three main types of financial assistance are available to qualified students: gift aid, consisting of grants and scholarships; long-term educational loans; and part-time employment. Students classified as nondegree auditors, special students, or visitors are not eligible for financial aid.

Because the primary aim of the financial aid programs is to provide assistance to students who, without aid, would be unable to continue their education, most of the funds are awarded on the basis of financial need. However, in its efforts to strive for excellence, the university offers assistance to some talented students based on merit rather than need.

The university participates in federal programs which provide funds on the basis of financial need as follows:

Federal Pell Grant

Federal Supplemental Educational Opportunity Grant

Federal Parent Loan Program

Federal Perkins Loan

Federal Work-Study Program

Federal Stafford Loan Program

Nursing Student Loan

Information pertaining to the application process, types of aid available, and academic requirements may be obtained from the East Carolina University Office of Student Financial Aid.

Students should contact appropriate deans or departmental chairpersons of intended major areas concerning scholarships that are available in those disciplines.

## **MINORITY PRESENCE GRANT PROGRAM**

The University of North Carolina will continue to fund the Minority Presence Grant Program, General Program, Part I and Part II. The University will allocate this money to historically white and historically black institutions to aid them in recruiting financially needy North Carolina students who would be minority presence students at the respective institutions by enabling the institutions to offer relatively more aid for minority presence students in the form of grants rather than loans. General program part I includes funds for minority presence grants for students attending the North Carolina Central University School of Law. General program Part II consists of grant funds for Native Americans, Hispanics, and Asians.

## **NATIONAL/INTERNATIONAL FELLOWSHIPS AND SCHOLARSHIPS**

East Carolina University maintains an Office of National/International Fellowships and Scholarships to familiarize students with the competitive national and international fellowships and scholarships available to selected students intent on pursuing graduate work. These fellowships and scholarships, for the most part, are for terms long enough to ensure completion of the master's degree, but in some cases they allow for work on the doctoral degree. Among the fellowships and scholarships coordinated by this office are the Barry M. Goldwater Scholarship, the Marshall Scholarships, the Rhodes Scholarships, the Fulbright Grants, and the Harry S. Truman Scholarships (undergraduate only). Interested students should contact the director, Honors Program, D-107 Brewster Building; 252-328-6373.

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**THE CATALOG AND THE STUDENT PROGRAM**

The catalog of East Carolina University, issued early in the summer of each year, is intended to give the description of the work of the university and such a digest of its regulations as is needed by students. Although the courses announced and the regulations given are fairly continuous from year to year, neither of them may be valid after the issuance of a new catalog. Some courses in sections 7 and 8 indicate an anticipated semester of offering; however, because of faculty availability and other constraints, there is no guarantee that courses will be offered at the specified times. Students should consult their adviser and departments concerning availability issues. While general education credit is indicated for some courses, general education credit may also be available for other courses. Contact the offering department or the Office of Undergraduate Studies for clarification. Courses in a student's major prefix area may not count toward his or her general education requirements.

Ordinarily, a student may expect to earn a degree in accordance with the requirements of the curriculum described in the catalog in force when he or she first entered the university or in any subsequent catalog published while he or she is a student, but the faculty of the university reserves the right to make changes in curricula and in regulations at any time when in its judgment such changes are for the best interest of the students and of the university. If a student elects to meet the requirements of a catalog other than the one in force at the time of his or her original entrance, he or she must meet all requirements of the selected catalog. A student who changes degree program or major will be expected to meet all of the requirements of the new program of the catalog in force at the time of the change, except for students who do not declare a major upon entrance and who may meet the requirements of the catalog in force at the time of their entrance to East Carolina University. During the period that the student is assigned to the General College, the university rule that a student adopt the catalog that is current whenever he or she changes his or her program does not apply. Except for the requirements for admission to certain programs, the catalog that was current at the time the student entered the General College will apply when he or she leaves the General College and declares a major unless (1) the student elects a later catalog; (2) the student changes his or her program after initial transfer from the General College; or (3) accreditation requirements for the university have been changed. No student will be permitted to graduate under a catalog issued more than five years prior to the date of his or her graduation.

Academic advisers will offer guidance to students in academic matters and refer students to those qualified to help them in other matters. The final responsibility for meeting all academic requirements for a selected program rests, however, with the student. The vice chancellor for academic affairs has authority on all established curricular matters.

**OFFICIAL ANNOUNCEMENTS**

The university maintains approximately 100 official bulletin boards at key locations on campus and also maintains an official bulletin board on the ECU home page on the Internet. Through consecutively numbered official announcements, academic departments and other divisions of the university communicate essential and timely information to students; it is the responsibility of the student to read and know the contents of those announcements which affect his or her program.

**CLASS ATTENDANCE REGULATIONS**

Students are expected to attend punctually all lecture and laboratory sessions and field experiences in the courses for which they are registered. Absences are counted from the first class meeting, and absences because of late registration will not be automatically excused. The student is held accountable for the work covered in each class meeting.

Each instructor shall determine the class attendance policy for each of his or her courses. This policy, along with other course requirements, will be presented to the class, preferably in writing, at the beginning of the semester or summer school term.

The Student Health Service does not issue official written excuses for illness or injury except in the case of a final examination when a grade of incomplete (I) is recommended. Upon request, however, the Student Health Service will confirm that the student has received medical care. If a faculty member needs additional information regarding the nature and/or scope of an illness or injury, the student must authorize the release of the information by signing a release of information form in the Student Health Service.

Instructors are expected to recognize and honor university-excused absences, i.e., treat the absence as an excused absence. Instructors may require that students provide reasonable advanced notice of a university-excused absence, when possible. If required by the instructor, verification of a university-excused absence may be obtained by the student's contacting the Office of the Associate Vice Chancellor for Student Success.

## **SECTION 5: ACADEMIC REGULATIONS**

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The death of an immediate family member or student participation in religious holidays may be considered an excused absence under university policy. Should such a circumstance occur, and the faculty member desires verification, the student should contact the Office of the Associate Vice Chancellor for Student Success for a university-excused absence and provide documentation of the particulars.

University-excused absences may be authorized by the Office of the Associate Vice Chancellor for Student Success for activities as follows:

1. participation in authorized university activities as an official representative of the university (i.e., sporting events, delegate to regional or national meetings or conferences, participation in and necessary travel to and from university-sponsored performances);
2. participation in activities directly related to university course work and part of the course requirements; or
3. participation in other activities deemed by the Office of the Associate Vice Chancellor for Student Success to meet the spirit of these requirements by furthering the mission and enhancing the reputation of East Carolina University.

To qualify for a university-excused absence, as in 2., above, an activity must

- be directly related to the course work;
- be of a nature that prevents it from being accomplished at a time that does not conflict with a class;
- be announced on the first day of class with complete information regarding date, time, purpose, and duration;
- be limited to one per course per term; and
- be submitted by the course instructor, through the appropriate departmental chairperson or dean, to reach the Office of the Associate Vice Chancellor for Student Success not later than one month prior to the start of the term.

Except as provided above, requests for a university-excused absence should be submitted, whenever possible, to the Office of the Associate Vice Chancellor for Student Success at least a week prior to the scheduled absence. Requests submitted after the fact will be disapproved unless circumstances made prior approval impossible or unreasonable.

### **TIME TO GRADUATION**

The number of semester hours required for a baccalaureate degree at East Carolina University is typically 126 s.h. or fewer. (Any exceptions are indicated in the degree requirements listed in the undergraduate catalog.) Students who satisfactorily complete an average of 15-16 credit hours per semester should be able to obtain their degrees in four years or eight semesters. Some factors which may extend an individual student's time for completion of a degree are averaging fewer than 15-16 credit hours per semester, repeating courses, failing to meet course prerequisites, changing majors, taking unnecessary or inappropriate courses, withdrawing from school, dropping or failing courses, adding minors and second or double majors, and becoming academically ineligible to continue enrollment. Participation in internships, practica, cooperative education, and study abroad programs may or may not extend the number of semesters for graduation.

### **COURSES OF STUDY**

Students should refer to the requirements of their respective schools or departments for information about their programs of study and confer with their advisers whenever problems arise. The student is expected to follow the program outlined as closely as possible, particularly in the first two years when satisfying basic degree requirements and prerequisites for advanced standing.

### **CHANGE OF MAJOR/MINOR**

A student who desires to change his or her program of study involving transfer from one college, school, or department of the university to another should

1. obtain his or her advising folder from the current adviser;
2. have the academic record reviewed in the receiving department, the change of major/minor recorded in the student data base, and a new adviser assigned; and
3. deliver the advising folder to the new adviser.

## DOUBLE OR SECOND MAJOR

Students desiring a second major will be advised in the department offering the primary major. However, the chairperson or dean of the unit offering the second major also must review the requirements for the second major and sign the senior summary sheet.

If the primary major is part of a non-BA degree program and the second major is identified in the curriculum for the BA degree, neither additional general education requirements for the BA degree nor a foreign language requirement will apply. Courses taken to meet general education requirements may be used to satisfy requirements for a second major or a minor, but not a primary major. All second degree students will be required to complete at least 3 s.h. of writing intensive course work in the major; double major students, however, are not required to complete additional WI course work.

## COURSE LOAD

To improve graduation rates, the North Carolina General Assembly (Senate Bill 27, Section 89(a), 1993 Session Laws) mandated that the "Board of Governors shall require constituent institutions to set a goal of increasing to 15 the average number of credit hours per term taken by full-time undergraduates." Since most undergraduate degrees require 126 s.h., a student must average approximately 16 s.h. per term to graduate in four years. Students are encouraged to be mindful of this recommended course load when developing class schedules.

A student may take 18 s.h. of credit per semester without restrictions. With the approval of the adviser and the departmental chairperson or dean, a student who has earned an average of B in all work may take 19 or 20 s.h. per semester. The approval for extra-hour load must be signed on the registration form by the chairperson or dean concerned.

A student desiring to enroll for more than 20 s.h. must secure, in addition to the above signatures, approval from the dean of Undergraduate Studies.

A student may take 7 s.h. each summer term without restrictions. With the written approval of the dean of Undergraduate Studies, a student who has earned an average of B in all work may take extra hours.

A student with a minimum grade point average (GPA) of 2.0 and in the semester or summer term of graduation may take extra hours with the approval of the departmental chairperson or dean and the dean of Undergraduate Studies.

It is suggested that students who work more than 20 hours per week carry no more than 9 s.h. of course work and that students who work 15-20 hours per week carry no more than 12 s.h. of course work.

## SELECTION OF COURSES

An undergraduate student is not permitted to select courses more than one classification level above the student's own classification. There are occasions, however, on which exceptions to this regulation may be deemed desirable and necessary by the student's adviser and/or dean. Under these circumstances, a student will be allowed to register for courses two or more levels above the student's classification if the registration or schedule change form contains the initials of the adviser and/or dean written on the line with the course that is involved in the regulation.

Five-thousand-level (5000-5999) courses are graduate courses. Undergraduate students may be admitted to five-thousand-level courses if they have completed the stated prerequisite(s) or with the written permission of the instructor, chairperson of the department, or the dean of the school in which the course is offered.

Only students who have been admitted to pursue graduate work on a degree or nondegree basis will be permitted to enroll in courses numbered 6000 or above. A senior within 6 s.h. of graduation who has been admitted to a graduate degree program may take a 6000-level course while completing undergraduate degree requirements but only for graduate credit.

Prerequisites are stated as integral parts of various programs, entrance requirements for degree programs, and sequential progression into subject matter. Students are not allowed to enroll in courses for which they have not met the prerequisites. Elective courses in any curriculum may be taken from any field and are decided upon in consultation with the adviser.

## COURSE SUBSTITUTIONS

Only under unavoidable and exceptional circumstances will substitution for or exemption from the prescribed curricula be

## **SECTION 5: ACADEMIC REGULATIONS**

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permitted. If it becomes necessary to request deviation from the prescribed course of study, the student should consult the dean of the college or school or the chairperson of the department of the student's major. The dean or departmental chairperson will petition by letter to the registrar for substitutions or exceptions sought and will state the reasons for the change.

Any deviations from the applicable published degree requirements must have the approval of the appropriate departmental chairperson or school dean and the approval of the dean of Undergraduate Studies. Students transferring from other colleges who desire to substitute courses taken elsewhere for courses prescribed at the university must submit such petition.

### **REPETITION OF COURSE WORK**

Only under extenuating circumstances will a student be allowed to repeat a course in which he or she has earned a grade of C and then only with the written approval of his or her unit administrator and the dean of Undergraduate Studies. A student who repeats a course he or she has passed in order to raise the grade will receive the original grade, hours attempted, hours earned, and grade points. The student will also receive the raised grade, hours attempted, and grade points. The raised grade, or last grade, stands. A grade of F as the raised grade will result in the loss of the original hours and grade points; a student receiving an F as the raised grade must repeat the course if credit is required for graduation. A student who repeats a course he or she has failed will receive the failure (hours attempted and no grade points) and the raised grade with hours attempted, hours earned, and grade points.

### **AUDITING COURSES**

Auditing a course consists of attendance at classes and listening but taking no part in the class. An auditor is not responsible for any assignments, nor is he or she allowed to take any tests or examinations. However, in order to have the audited course recorded on the official transcript, a student must attend classes regularly. An auditor may not enroll in a participation course (art classes, laboratories, etc.). Under no circumstances will a grade be assigned, evaluations be made, or performance reports be issued on a student auditing a course. Auditing a course or part of a course is contingent upon the approval of the instructor and the appropriate departmental chairperson or school dean. Students may not register to audit a course until the last day of the drop/add period. Persons who wish to attend university classes without earning credit must be admitted to the university before seeking approval to audit any course. Individuals enrolled as nondegree undergraduate students will be assigned to the University College for assistance with registration. The applicants shall then complete the prescribed procedure for registering through the Office of the Registrar and pay the audit fee to the cashier's office before attendance in classes is permitted.

Students regularly enrolled in the university wishing to audit course(s) must initiate the approval process with their adviser.

### **INDEPENDENT STUDY**

Independent study is defined as any program of study without direct instruction in a classroom setting (excluding internships). It may include directed readings, special topics courses, or independent study of an existing course. The use of independent study should be limited to two occasions: when a student wishes to pursue a topic of study which is not available in an approved course or when a course is needed to satisfy graduation requirements but the course is not being offered in a timely manner to satisfy those requirements. Independent study and correspondence credits may not exceed 15 percent of the total hours required for the degree. (See Currently Enrolled East Carolina University Students, above.) Credit earned through independent study cannot be used to reduce the minimum residence requirement.

All independent study courses should be set up as a part of the departmental schedule of courses for the respective term. Independent study sections of normally offered courses should be appropriately noted by the section number.

### **REGISTRATION AND SCHEDULE CHANGES**

To be admitted officially, a student must apply, be accepted, and receive a letter of acceptance. Orientation programs are provided in the summer and immediately before each semester to assist new students in enrolling in the university. The student then reports to the office of the school or department to which he or she has been assigned. A faculty adviser will supply further information. To register, a student must complete an on-line registration schedule and have it approved by the adviser and entered into the computer via a terminal operator. Telephonic and web registration requires registration codes obtained from the adviser and are available to currently enrolled students. To complete the process and be officially registered and entered on the class roll, a student must pay fees to the cashier's office. No person will be admitted to any class unless officially registered either for audit or for credit. Students are expected to complete registration (including the

payment of all required fees) on the dates prescribed in the university calendar.

Students who register during the early registration period are required to pay their fees and secure their official schedules during the stipulated period prior to registration day. Students who fail to pay fees by this date will have their schedules canceled.

### **EARLY REGISTRATION**

Early registration is a time designated each semester for currently enrolled or readmitted students to meet with their advisers to review their records and plan their courses for the upcoming semester. The student will complete an on-line registration schedule and have it approved by the adviser and entered into the computer via a terminal operator, telephonic registration, or web registration. (New freshmen and transfers entering fall and spring semesters register after completion of the appropriate orientation session.)

### **DROPPING AND ADDING COURSES**

#### **During Schedule Change Period**

During the first five days of classes (Mondays through Fridays) of the fall and spring semesters, a student may drop or add a course or courses to his or her schedule. The student should discuss schedule changes with his or her adviser prior to making the changes via terminal operator, web, or telephonic registration. On the day following the five-day schedule change period, a student may make final additions to his or her schedule.

During the summer, the schedule change period is limited to the first two days of classes each term. On the day following the two-day schedule change period, a student may make final additions to his or her schedule in accordance with the policies outlined above for the regular semesters. Course drops during this drop/add period do not count against a student's course drop allocation. (See course Drop Allocation, below.)

#### **After Schedule Change Period**

During the first 40 percent of the regularly scheduled class meetings of a course (including the meeting for the final examination), a student may, at his or her own option, drop the course. After consultation with his or her adviser, the student secures the signature of the adviser on the schedule change form and takes it to the Office of the Registrar for processing. For regular semester-length courses, the drop period is limited to the first thirty days of classes of the semester. For five-week block courses or regular summer term courses, the drop period is limited to the first ten days of classes for the semester or summer term. The same 40 percent drop-period rule applies to block courses of other lengths as well. It is the student's responsibility to consult official university bulletin boards, documents, and/or the web to determine the appropriate drop period for such block courses. Ordinarily a student may drop up to four courses or a smaller prorated number in pursuit of a university degree. (See Course Drop Allocations.) Extenuating circumstances, however, can warrant consideration for drop by exception, as explained below.

Students may petition the dean of Undergraduate Studies for drops by exception (drops after the 40 percent drop period, drops beyond student's allotted number, and drops not counted against the allotted number). Poor performance in course work; missed deadlines; change of major; or a course grade's adverse effect on the student's grade point average, probationary standing, or other eligibility is not in itself a sufficient basis for exception. Requests for exceptions will not be considered after the last regularly scheduled class meeting prior to the final examination for the course(s) in question except where earlier requests could not have been expected. Petitions for drops by exception will typically be granted only for medical or counseling reasons related to the course(s) to be dropped and will be considered by the dean of Undergraduate Studies upon receipt of appropriate documentation. Students whose petitions for drops by exception are denied by the dean of Undergraduate Studies may appeal the decision to the Student Academic Appellate Committee.

#### **Course Drop Allocations**

In pursuit of a degree at East Carolina University a student may drop up to four courses (outside the schedule change period). The number of course drops is prorated on the student's credit hours (both ECU and transferred) at the time of implementation or the student's initial matriculation as follows:

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### *First Undergraduate Degree*

0-29 s.h. of credit—4 course drops  
30-59 s.h. of credit—3 course drops

60-89 s.h. of credit—2 course drops  
90 or more s.h. of credit—1 course drop

### *Second Undergraduate Degree*

A student who needs no more than  
30 s.h. of credit—1 course drop

31-59 s.h. of credit—2 course drops  
60 s.h. or more s.h.—3 course drops

Students may use these drops between the schedule change period and the last day to drop term-length courses without a grade. Drops not used roll forward to the following term.

## COURSE CREDITS

The university operates on the semester plan. The fall and spring semesters are each approximately fifteen weeks in length. The summer session is divided into two consecutive terms. Credit hours to be earned in each course are noted for each course listed.

Courses offered in nontraditional formats, e.g., concentrated or abbreviated time periods, must be designed to ensure an opportunity for preparation, reflection, and analysis concerning the subject matter. At least one calendar week of reflection and analysis should be provided to students for each semester hour of undergraduate credit awarded. Credit will not be allowed for courses which substantially duplicate courses already completed.

## CREDIT BY EXAMINATION

Students regularly enrolled or formerly enrolled in the university may obtain credit by examination for a course in which they have had no class attendance or semester standing provided the course has been determined by the offering department or school to be an appropriate class for credit without attendance. Permission to take the examination must be obtained in advance from the dean of the school or chairperson of the department in which the course is offered and must be approved by the dean of Undergraduate Studies. Examinations are not permitted in courses in which a student has previously been enrolled as a regular student or as an auditor. (No person is allowed to attend class or receive class instruction without being properly registered either for credit or for audit.) The applicant must pay to the university cashier in advance of the examination a fee of \$10 per semester hour; this fee is not refundable. The petition, receipted by the university cashier, must be shown to the instructor conducting the examination. The instructor administers and reports the results of the examination to the Office of the Registrar within one week of the date of approval by the dean of Undergraduate Studies. Credits earned under this regulation are recorded with the grade achieved on the examination. Credit earned by examination may not be used to reduce the minimum residence requirement.

## TRANSFER CREDIT

### **Upon Admission**

A student transferring to the university from another college or university will have transcripts evaluated by the Office of Admissions during the admissions process. Credit will be awarded for all transferable courses for which a grade of C or better was earned. This evaluation will then be reviewed by the student's academic unit. It is only upon the review by the academic unit that the student will know what additional courses are necessary to meet degree requirements. Students who have satisfactorily completed basic military training may receive credit for the exercise and sport science and/or health courses required for general education upon submitting a DD-214 or DD-295 to the Office of Admissions. Students who have completed service schools while on active duty with the military may request an evaluation through the Office of Admissions. Credit will be awarded in accordance with the American Council on Education recommendations provided that the credit recommended is at the baccalaureate level; is applicable to the general education requirements, to the student's declared major field of study, or to the elective hours prescribed within the student's designated program of study; and is comparable to courses offered at East Carolina University. Students who have prior military training (active duty, JROTC, College ROTC, reserve, or National Guard) may be eligible for 6 s.h. of credit if pursuing a commission through the AFROTC, AROTC, Marine Corps Platoon Leaders course, or Coast Guard Basic Program. Additional information may be obtained from the Office of Admissions.



### Following Admission

Students who have a GPA of less than 2.0 or who are academically ineligible to return to East Carolina University must complete at an accredited institution 30 s.h. or 45 q.h. of transferable work and maintain a minimum grade of C on all transferable work in order for the credit to be acceptable in transfer to East Carolina University. Although credit may be allowed for courses the equivalent of which the student was previously enrolled in at East Carolina University, duplicate credit will not be granted under any circumstances. For additional regulations applying to transfer credit, see Section 3, Admission.

### Currently Enrolled East Carolina University Students

Approval must be granted in writing by the student's dean or departmental chairperson and the Office of Undergraduate Studies prior to enrollment in any course at any other institution. An official transcript must be submitted to the Office of the Registrar immediately upon completion of the course(s). Only courses in which the student earns a C or better will be accepted in transfer. Permission is limited to 18 s.h. credit per semester or 7 s.h. credit per summer term.

- Approval will not be granted if the student has less than a cumulative GPA of 2.0 at East Carolina.
- Approval will not be granted if the student is ineligible to return to the university because of disciplinary action.
- Approval will not be granted if the student has any outstanding obligations to any department or office of the university.
- Approval will not be granted for courses in which credit has been previously earned.
- Approval will not be granted for correspondence courses in the student's major field.
- Approval will not be granted for correspondence courses beyond 15 percent of the total hours required for graduation. (See Independent Study, below.)

With specific authorization as indicated below, approval may be granted in the following instances.

- If the student has been previously enrolled in a comparable course, specific approval must be granted by the chairperson of the department offering the course and the Office of Undergraduate Studies.
- If the student has attained junior standing and wishes to attend a two-year institution, specific approval must be granted by the Office of Undergraduate Studies.
- If the student has previously completed 60 s.h. or more at a two-year institution, specific approval must be granted by the Office of Undergraduate Studies prior to permitting the transfer of additional credit from a two-year institution.
- If the student wishes to be enrolled concurrently at ECU and in correspondence courses, extension courses, or courses at another institution, both the academic unit and the Office of Undergraduate Studies must grant specific approval.

## CLASSIFICATION OF REGULAR STUDENTS

In order to graduate in eight semesters of attendance, a student in a typical degree program (120-128 s.h.) must average 15-16 s.h. of credit per semester. A regular or full-time student is required to schedule at least 12 s.h. per semester. Students who register for no more than 11 s.h. per semester are classified as part-time students. Students will be classified as to class standing as follows:

1-29 semester hours credit: Freshman  
30-59 semester hours credit: Sophomore

60-89 semester hours credit: Junior  
90 or more semester hours credit: Senior

Students must meet grade (quality) point requirements to be eligible for readmission for a succeeding semester at East Carolina University. (See Scholastic Eligibility Standards, below.)

## EXAMINATIONS AND QUIZZES

### FINAL EXAMINATIONS

Final examinations will be held at the close of each term in all courses. There will be no departure from the printed schedule of examinations. Changes for individual emergencies of a serious nature will be made only with the approval of the instructor, the student's major chairperson or dean, and the dean of Undergraduate Studies. The departmental chairperson or the school dean will, if a serious emergency is believed to exist, forward a written request to the dean of Undergraduate

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Studies, setting forth the nature of the emergency. A student who is absent from an examination without an excuse may be given a grade of F in the course. The professor may issue an incomplete (I) in the case of a student absent from the final examination who has presented a satisfactory excuse or an official university excuse from the Office of the Associate Vice Chancellor for Student Success.

### **INTERMEDIATE TESTS AND QUIZZES**

Students who are absent from intermediate tests and quizzes with an excuse acceptable to the instructor or an official university excuse from the Office of the Associate Vice Chancellor for Student Success will be given a makeup test or an excuse from taking the test at the discretion of the instructor.

### **RE-EXAMINATIONS**

Re-examination for the purpose of removing a failure is permitted only in the case of graduating seniors who are in their last term before their scheduled commencement and who are passing the course at the time the final examination is given. Only one re-examination per course is permissible.

A grade change resulting from re-examination must be on file in the Office of the Registrar one week after the originally scheduled examination.

## **GRADING SYSTEM**

### **GRADE POINTS AND GRADE POINT AVERAGE**

A grade (quality) point system based on all hours attempted at East Carolina University is used to calculate student scholarship. The following grade symbols are currently in use for all undergraduate courses: A-excellent, B-good, C-average, D-barely passed, F-failed (Course must be repeated to secure credit.), I-incomplete, N-audited. A grade of I is given for a deficiency in quantity, not quality, of work.

Grade 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, by one for a grade of D. No grade points are given for a grade of F, but hours attempted are recorded for each attempt of a given course. (See Grade Replacement Policy, below.) The GPA is obtained by dividing the total number of grade points earned by the total number of semester hours attempted.

### **GRADE APPEALS**

A student wishing to contest a course grade should first attempt to resolve the matter with the instructor who determined the grade. The student may appeal the instructor's decision by submitting a written appeal to the instructor's departmental chairperson or dean not later than the last day for undergraduate students to drop semester-length courses during the next regular semester. The instructor's departmental chairperson or dean, as appropriate, shall review the student's request with the faculty member and either concur with the grade or request that the faculty member reassess the grade. The final decision shall rest with the faculty member responsible for the course grade.

### **CHANGE OF GRADE**

A change in grade, other than I (incomplete), for any reason, must be made within one year from the date the original grade was received.

### **REMOVAL OF INCOMPLETES**

A grade of I must be removed during the next semester (not counting summer session) in which the student is enrolled in the university, or it automatically becomes a failure. The instructor will set a time for the removal of the incomplete, in no case later than three weeks prior to the end of the semester. Instructors must submit the proper removal of incomplete form to the Office of the Registrar at least two weeks prior to the end of the semester. If the student does not return to school, the I must be removed within one year, or it automatically becomes an F. An incomplete may not be removed by repeating the course. If a student enrolls in a course in which he or she has an incomplete, the I will automatically become an F. No student will be allowed to graduate with an incomplete on his or her record.

### **GRADE REPLACEMENT POLICY**

A student is permitted to use the Grade Replacement Policy a maximum of three times for 1000- and 2000-level courses in which he or she has earned a grade of D or F. For example, a student may replace a grade in three different courses or may replace a single course grade a maximum of three times or a combination thereof not to exceed the limits of the policy. Approval to use the policy will not be given if a student wishes to repeat a course after he or she has successfully completed an advanced course covering the same or similar material, for example, a course in the same academic discipline for which the repeated course is a prerequisite.

To replace a grade, the student must request a grade replacement on the on-line registration form, the schedule change form, or the grade replacement form; register for the course during the registration period; and submit the form to the Office of the Registrar or the Office of Undergraduate Studies. To implement the policy, the form must be submitted no later than the last day of classes of the semester in which the student retakes the course. Although the original grade will not be used in determining the GPA of the student, the original grade will remain on the student's permanent academic record and will be included in the calculation for consideration for honors. The replacement grade, or last grade, stands. Students receiving an F on the replacement grade must repeat the course if credit is required for graduation. In the event that the original grade was a D, no additional credit hours will be awarded.

The Grade Replacement Policy is effective for courses originally taken fall 1994 and thereafter.

### **CHANCELLOR'S LIST, DEAN'S LIST, AND HONOR ROLL**

Each semester, outstanding scholarship is recognized in the following manner:

The Chancellor's List is composed of the names of all full-time undergraduates who make four grade (quality) points per credit hour (4.0) on all work taken with no incomplete grades.

The Deans List is composed of the names of all full-time undergraduates who make at least three and one-half grade (quality) points per credit hour (3.5) on all work taken with no grade below C and no incomplete grades.

The Honor Roll is composed of the names of full-time undergraduates who make at least three grade (quality) points per credit hour (3.0) on all work taken with no grade below C and no incomplete grades.

### **SCHOLASTIC ELIGIBILITY STANDARDS**

Retention requirements are based on hours attempted at East Carolina University and/or transfer hours from another institution. The minimum scholastic requirements to avoid probation and/or suspension are as follows:

|   |   |
|---|---|
| 1-29 attempted hours and/or transfer hours, 16 GPA  | 75 or more attempted and/or transfer hours, 2.0 GPA |
| 30-59 attempted hours and/or transfer hours, 18 GPA | Second undergraduate degree, 2.0 GPA                |
| 60-74 attempted hours and/or transfer hours, 19 GPA |   |

A student who possesses a baccalaureate degree and who is working toward a second baccalaureate degree must maintain a minimum cumulative GPA of 2.0 on all work attempted on the second baccalaureate degree. Certain academic programs require a GPA greater than 2.0 for admission. (See specific major requirements.)

### **ACADEMIC STANDING CODES**

Grade point calculations are made and the report is posted to the web. Grades are mailed to the student at the end of each semester and each summer term upon written request (for each semester/term) from the student. The report indicates the following academic standing codes as appropriate.

1. Removed from Academic Probation
2. Academic Warning: This code indicates that the student is not performing at an acceptable level for progression toward graduation. (Warning is assigned to students whose cumulative grade point average is less than 2.0 [required for graduation] but meets the minimum GPA required for his or her retention period.)
3. Academic Probation: This code indicates that the student has not met the required scholastic standards. If the deficiency is not removed by the end of the next semester of enrollment, the student will be suspended unless, during the semester of probation, the student earns a 2.5 or higher GPA on 12 or more attempted hours or the student's cumulative GPA results in a deficit of 5 or fewer quality points from the total required by the retention

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period and the number of attempted hours. Letter designations (A, B, C, D) following the probation number 3 indicate a probation period after a suspension.

4. A. Academic Suspension: This code indicates the first time that the student's scholastic performance has not met the requirements necessary to continue enrollment. The student is suspended for one semester followed by readmission on probation.
- B. Academic Suspension: This code indicates the status of a student who has become academically ineligible for a second time. A student becoming ineligible a second time will be suspended for one academic year (two consecutive semesters).
- C. Academic Suspension: This code indicates the status of a student who has become academically ineligible for a third time. If a third suspension occurs, the student will be readmitted only by successful appeal to the Student Academic Appellate Committee.
- D. Nontraditional Student Suspension: This code indicates the status of a student who has become academically ineligible because of failure to satisfy retention stipulations within the limits established by the Performance-Based Admission Policy. For readmission options available to students in this status, consult the nontraditional student readmission portion of the readmission policies below.

Students on probation or suspended from the university are encouraged to attend summer school at East Carolina University in order to progress toward good academic standing.

### WARNING AND PROBATION

A student will be placed on academic warning if his or her cumulative GPA is less than 2.00 but meets the minimum GPA required for his or her retention period.

A student will be placed on academic probation if he or she does not meet the current academic standards, above.

A student will remain on academic warning or probation until the required GPA is obtained or the student is suspended.

### INTERVENTION STRATEGIES

A student who has been placed on academic warning or probation shall

- receive a written notification of academic warning or probation and the appropriate indication will be made on the student's university record;
- be required to meet with the adviser and attend an academic review session conducted by the Office of Undergraduate Studies or his or her academic unit prior to registration for the next academic term (fall or spring); and
- complete with the adviser, unit representative, or other university representative an academic review form, identifying possible actions or strategies which the student will use during the warning/probationary semester to improve academic standing. (This form must be signed by the student and the adviser or unit representative and a copy given to the student and a copy maintained in the advising folder or unit office.)

### SUSPENSION

The student who fails to meet the required GPA while on probation will be suspended from the university unless the student

- earns at least a 2.5 GPA on a minimum of 12 attempted hours in the current probationary semester or two summer terms,
- earns quality points on attempted hours during the current probationary semester or two summer terms such that his or her cumulative quality points result in a deficit of no more than 5 quality points from the total quality points required for the retention period and the hours attempted, or
- is readmitted by the Student Academic Appellate Committee following submission of an appeal to that committee.

Evidence of participation in the intervention program prescribed by the academic unit to which the student is assigned or by the Academic Support Center in the Office of Undergraduate Studies is considered.

### APPEALS OF SUSPENSION

Students who have completed the required intervention strategies are eligible to appeal for exception to suspension.

A student who wishes to appeal his or her suspension must appeal in writing to the Student Academic Appellate Committee. The appeal form or letter must be received in the Office of the Registrar by 5:00 p.m. according to the following schedule.

- Appeals for fall semester: Examination day of the second summer term
- Appeals for spring semester: Last day for examinations for fall semester

The appeal should contain the following:

- rationale for the appeal;
- documentation of personal, family, or medical problems; and, where available,
- a copy of the intervention plan signed by the adviser or departmental representative.

Continuing students who have served a portion of their suspension and who wish exemption from the remainder may submit a letter of appeal. This letter must be received according to the deadlines stated in the previous paragraph. The Student Academic Appellate Committee normally will not approve appeals from ineligible students unless they are based on personal or family problems of an extreme nature or on evidence of substantial academic improvement.

In considering appeals for readmission for the fall semester, the committee normally expects students to attend summer school to demonstrate academic improvement.

## **READMISSION**

### **Regular Readmission**

Any student not enrolled for one or more semesters on the main campus of the university must apply for readmission. Applications for readmission noting deadlines are available from the Office of Admissions. Readmission to the university does not guarantee readmission to individual academic programs.

### **Transfer Readmission**

Students who have been enrolled at another college or university since their last enrollment at East Carolina University must submit to the Office of Admissions official transcripts indicating that a minimum cumulative C average (2.0 on a 4.0 scale) has been earned on all transferable courses attempted. In order to ensure processing, applicants should submit readmission applications according to the deadline thereon. Transfer credit will be evaluated in accordance with established university policy. (See Transfer Credit.)

### **Nontraditional Student Readmission**

Nontraditional students admitted under the Performance-Based Admission Policy who fail either to meet the GPA requirement or to satisfy the retention stipulations may not continue enrollment at East Carolina University except under the following conditions:

1. Students may attend summer school at East Carolina University to satisfy retention stipulations.
2. Students may be readmitted under the provisions of the Special Readmission (Forgiveness) Policy to resume progress toward satisfying retention stipulations.
3. Students may be readmitted after completing at an accredited college or university 30 s.h. or 45 q.h. of transferable work with a minimum grade of C on all transferable work.

Duplicate credit will not be granted under any circumstances. In all cases the stipulations specified at the time of initial admission must be satisfied.

### **Following Suspension**

Following an initial suspension of one semester and readmission to the university on academic probation, the student who fails to meet the required GPA while on probation will be suspended from the university for two semesters unless he or she earns at least a 2.5 GPA on a minimum of 12 attempted hours in the current probationary semester or two summer terms, has a total quality point deficit of 5 or fewer for the retention period and hours attempted, or is readmitted by the Student Academic Appellate Committee.

Following the second suspension and readmission to the university on academic probation, the student who fails to meet the required GPA will be suspended from the university for an indefinite period of time, not less than three academic years,

## **SECTION 5: ACADEMIC REGULATIONS**

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unless he or she earns at least a cumulative GPA of 2.5 on a minimum of 12 attempted hours in the current probationary semester or two summer terms, has a total quality point deficit of 5 or fewer for the retention period and hours attempted, or is readmitted by the Student Academic Appellate Committee.

A student may remove academic deficiencies only by attending East Carolina University. Quality points do not transfer.

### **Special Readmission (Forgiveness) Policy**

East Carolina University students who have been out of school for a minimum of three consecutive academic years (six semesters, summer sessions excluded) may request special readmission. Such requests must be submitted in writing according to application deadline dates as specified above.

Students who have been enrolled at another college or university since their last enrollment at East Carolina University must submit to the Office of Admissions official transcripts indicating that a minimum cumulative C average (2.0 on a 4.0 scale) has been earned in all transferable courses attempted. No transfer credit will be awarded for courses taken at any institution of higher education during the initial three consecutive academic years. For courses taken in subsequent years, only those in which the student received a grade of C or better will be accepted for transfer credit at ECU. The sole exception is that students may attend ECU during summer sessions for credit.

Subsequent GPAs of students readmitted under this policy will be computed without inclusion of previous course work in which a grade below C was received; credit toward graduation will not be allowed for such course work. However, this work will be included in calculations for consideration for honors.

A student may be readmitted under the Forgiveness Policy only one time. Those readmitted under this policy are on academic probation for the first 19 s.h. of attempted course work. At the end of the term in which the nineteenth semester hour is attempted, a minimum cumulative C average must have been earned at East Carolina University since readmission. Failure to meet this stipulation will result in the student's being ineligible, except for summer school, until such time as the C average is obtained.

### **OFFICIAL WITHDRAWAL**

Students desiring to withdraw officially from the university should apply for withdrawal to the Office of the Assistant Vice Chancellor for Student Success. After the student has obtained the signatures of the various officials designated on the form, the student must submit the form to the Office of the Assistant Vice Chancellor for Student Success for final approval. Students withdrawing for medical/counseling reasons should complete the procedure within thirty days after the last class attendance. All other students withdrawing should complete this procedure immediately after the last class attendance. After classes have ended, no withdrawal, except in the case of severe medical emergency, can be filed.

During the first thirty class days of a semester, a student may withdraw from school without receiving grades for courses in which he or she is enrolled. After the first thirty class days, a student withdrawing from school shall receive a grade of F for all classes which he or she is failing at the time unless, in the judgment of the dean of Undergraduate Studies or the director of Continuing Studies, as appropriate, the failures were caused by circumstances beyond the student's control.

## **GRADUATION REQUIREMENTS**

### **GENERAL REQUIREMENTS FOR GRADUATION**

Every student should confer with his or her academic adviser and/or the major department/school administrator or designee about program and degree requirements. At least two semesters prior to graduation, each student must, in consultation with the unit administrator or designee, complete a senior summary sheet to be forwarded to the Office of the Registrar and complete the application for graduation on a form that is available in the Office of the Registrar, departmental offices, the cashier's office, and on the Internet. The diploma fee must accompany the application.

All requirements must be met by the official graduation date of East Carolina University. A student may expect to be allowed to obtain a degree in accordance with the requirements set forth in the regulations in force when he or she enters the university or under subsequent regulations published while he or she is a student. However, a student is restricted in choice to the requirements of one specific catalog. Undergraduate students who enter the university under the regulations of a catalog have a period of five years, inclusive and continuous, in which to claim the degree requirements of that catalog.

Any student who receives a degree from East Carolina University must complete a minimum of 120 s.h. A minimum of 30 s.h. and at least one-half of the total hours required in the major discipline must be completed in regular class attendance at East Carolina University. The required resident study does not need to be accomplished in consecutive semesters. One-half of the minimum semester hours required in the student's program must be earned at a senior college.

Students enrolling at East Carolina University must fulfill writing across the curriculum requirements. To do so, each student must complete a minimum of 12 s.h. of writing intensive courses, including ENGL 1100, 1200; at least 3 s.h. of writing intensive course(s) in the major; and any other writing intensive course(s) of the student's choice. Writing intensive courses/sections are identified each semester in the course schedule book and will be designated WI on the student's transcript. If a writing course (a course whose primary content is writing according to its course title and description) is accepted in transfer by number and credit hour for a writing-intensive course at East Carolina University (e.g., ENGL 3880, ITEC 3290, etc.), the transferred credit hours will count as writing intensive for ECU degree requirements.

Each academic unit will ensure that its majors complete at least one course which exposes them to cultural diversity. Courses which meet this requirement will be designated by the respective unit.

In order to graduate, all students must have earned a minimum cumulative and major GPA of 2.0. If a student completes required courses in his or her major and takes other courses in that field as electives, these additional courses, as well as cognate courses, will also be counted in computing the major GPA. Grades made on courses taken at other colleges and universities will not be considered except in the calculation of graduation with honors, but official transcripts must be on file in the Office of the Registrar.

### **SCHOLASTIC REQUIREMENTS FOR A SECOND UNDERGRADUATE DEGREE**

To satisfy the requirements for a second baccalaureate degree at East Carolina University, a student must complete a minimum of an additional 30 s.h. through regular class attendance after satisfying requirements for the first degree, and he or she must also satisfy the requirements of a major other than the major declared for the first baccalaureate. (See General Requirements for Graduation.) A student may choose to earn simultaneously two degrees (e.g., BA and BS or BS and BFA, etc.). General education requirements for one degree may be used to satisfy the general education requirements for the second degree. However, all other degree requirements, including a foreign language, must be met. Students who wish to satisfy the requirements for a BS degree in teacher education may use the same major that they declared for the first baccalaureate provided that the university offers a teacher certification program in that major.

The student must maintain a minimum GPA of 2.0. In determination of the GPA, only attempted hours toward the second degree will be counted. Grade points earned in the first degree will not apply in determination of scholastic eligibility while a student is enrolled for a second degree.

The student must also meet the curriculum requirements for the second undergraduate degree in the catalog under which he or she enters or in some subsequent catalog. No student, however, will be permitted to complete the second degree under a catalog issued more than three years prior to the date of completion of the second degree. In evaluating curriculum requirements for the second undergraduate degree, the academic unit offering the second degree will determine whether general education requirements from the first undergraduate degree satisfy general education requirements for the second degree. However, any foreign language requirements for the second degree must be fully met and may not be waived. All second degree students will be required to complete at least 3 s.h. of writing intensive course work in the major.

### **DEGREES WITH DISTINCTION**

Based on all work attempted, three degrees with distinction are granted to graduating undergraduate students as follows:

- "Summa Cum Laude" for a cumulative average of 3.90
- "Magna Cum Laude" for a cumulative average of 3.60
- "Cum Laude" for a cumulative average of 3.50

Degrees with distinction are granted to transfer students under the following conditions.

1. The student must complete at East Carolina University at least one-half the minimum number of hours required for the degree.
2. The student must have the required average on all work taken at this university.

## **SECTION 5: ACADEMIC REGULATIONS**

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3. The student must have a cumulative average that meets the requirements for the appropriate degree with distinction on all work attempted (all ECU and transfer work).

Second undergraduate degrees with distinction are awarded under the following conditions.

1. The student must complete a minimum of 30 s.h. at East Carolina University.
2. The student must have a minimum GPA of 3.5 on course work for the second degree and a cumulative average that meets the requirement for the degree with distinction on all course work attempted for the first degree as well as for the second degree.

NOTE: Ds and Fs on transferable work are included in the calculation of honors.

## **STUDENT EDUCATIONAL RECORDS**

### **POLICY ON POSTING GRADES**

As soon as they are determined at the end of each semester or summer term, grades are posted electronically. Students may secure their grades via the automated voice response system (252-328-2149) using their pin number, and via the OneStop (<http://onestop.ecu.edu>) using their exchange userid and password. In compliance with the Family Educational Rights and Privacy Act, faculty are not allowed to post grades by Social Security Number or any other personally identifiable characteristic. Upon receipt of a written request to the Office of the Registrar, a report of grades is sent to the student at his or her permanent home address. Questions about final examination grades should be directed to the instructor who determined the grade.

### **TRANSCRIPTS OF RECORDS**

Requests for transcripts of a student's record should be addressed to the Office of the Registrar. For each copy, there is a fee of \$3. A transcript will not be issued for a student who is financially indebted to the university.

### **PRIVACY OF STUDENT EDUCATIONAL RECORDS POLICY**

The university policy for the administration of student educational records is in accordance with the provisions of the Family Educational Rights and Privacy Act, also known as the Buckley Amendment or FERPA. This policy provides that the student has a right of access to student educational records maintained by the university or any department or unit within the university. The policy also protects the confidentiality of personally identifiable information in student records. A copy of the university policy dealing with the privacy of student educational records is maintained in each professional school and academic department within the university. Each member of the faculty should be thoroughly familiar with this policy and comply with its provisions.

### **ACCESS TO STUDENT EDUCATIONAL RECORDS**

In compliance with the Family Educational Rights and Privacy Act of 1974, it is the policy of the university that students have the following rights in regard to official educational records maintained by the university.

1. Each student has the right to inspect and review any and all official educational records, files, and data maintained by the university and directly related to the student and not related to other students.
2. The university will comply with the request from a student to review his or her records within a reasonable time, but in any event not more than forty-five days after the request is made. Any inquiry pertaining to student records should be directed to the Office of the Registrar.
3. A student who believes that his or her educational records contain inaccuracies or misleading information or that his or her right of privacy is violated on the basis of information contained in such records has the right to a hearing to challenge such information and to have it removed from his or her record or to include in the record his or her own statement of explanation. Any complaint pertaining to student records should be made directly to the Office of the University Attorney, telephone 252-328-6940.
4. The university will not release any information from student records to anyone (except those agencies noted in item 5, below) without the prior written consent of the student. The consent must specify the records or information to be released, the reasons for the release, and the identity of the recipient of the records.
5. Information from the student's records may be released without the written consent of the student in the following situations:



- a. in compliance with a court order or subpoena;
- b. requests from the staff or faculty of the university who have a legitimate educational interest in the information;
- c. requests from other departments or educational agencies who have legitimate educational interest in the information;
- d. requests from officials of other colleges or universities at which the student intends to enroll provided the student is furnished with a copy, if he or she so desires, so that he or she may have an opportunity to challenge the contents of the record;
- e. requests from authorized representatives of the US Comptroller General or the administrative head of a federal educational agency in connection with an order or evaluation of federally supported educational programs;
- f. requests in connection with a student's application for receipt of financial aid;
- g. requests from parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954; or
- h. requests from appropriate persons in connection with an emergency if the knowledge of such information is necessary to protect the health or safety of the student or other persons.

A student has the right to file a complaint at any time with the US Department of Education. However, it is expected that the student normally would exhaust the available administrative remedies for relief according to the university grievance procedures before filing such a complaint.

### **CHANGE OF NAME AND ADDRESS**

It is the obligation of every student to notify the Office of the Registrar of any change in name or address. Students may also change their address via the Internet. Failure to do so can cause serious delay in communication with the student.

### **RELEASE OF DIRECTORY INFORMATION**

The university routinely makes available in an annually updated printed directory and in an on-line directory certain information about its students. This policy is for the convenience of students, parents, other members of the university community, and the general public. In compliance with the Family Educational Rights and Privacy Act of 1974, the university will continue this policy of releasing directory information, including the following: the student's name, address (including e-mail address), telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institute attended by the student. If any student does not wish any or all of this directory information released without prior consent, the student must notify the Office of the Registrar in writing within seven days after registration day of the current term of enrollment.

Dorothy H. Muller, Dean, A-113 Brewster Building  
Donald C. Joyner, Associate Dean of Undergraduate Studies  
Claudia W. McCann, Assistant Dean of Undergraduate Studies  
Sandra E. Seay, Assistant Dean of Undergraduate Studies  
Larry P. Donley, Interim Director of Cooperative Education, 2300 Bate Building

The Office of Undergraduate Studies is both an academic and an administrative unit consisting of the following offices and academic support programs: General College; Univeristy College; Academic Transition Program; Office of Cooperative Education; Freshman Seminar; Academic Support Center; undecided, reconsidering, prehealth, and prelegal special advisement; and transfer credit approval and processing. The office administers academic policies and procedures, coordinates academic advising, advocates for undergraduate education and promotes the effectiveness of general education, offers additional assistance and learning experiences to special populations, provides career-related experiences through cooperative education, and assumes other responsibilities concerning undergraduate education as delegated by the vice chancellor for academic affairs.

GENERAL EDUCATION

General education requirements are designed to engender a broad liberal arts base upon which to add the depth of study in the major. Some courses that carry general education credit are identified in the course listings using the following notation; however, there may be other courses that also carry general education credit. Courses in the student's major prefix area may not count toward his or her general education requirements.

- GE:EN = English

GE:EX = Exercise and Sport Science

GE:FA = Fine Arts

GE:HL = Health
- GE:HU = Humanities

GE:MA = Mathematics

GE:SC = Science

GE:SO = Social Science

GENERAL EDUCATION REQUIREMENTS FOR ALL BACCALAUREATE DEGREE PROGRAMS

English 1100, 1200 (GE:EN) ..... 6 s.h.  
Science (GE:SC) ..... 8 s.h.

(Science majors must meet the science requirement outside their major field.)  
At least one course must require laboratory work.  
Select one or more courses from the following departments:  
Biology  
Chemistry  
Geology  
Physics

Social Sciences (GE:SO) ..... 12 s.h.

(Social science majors must meet the social science requirement outside their major field.)  
Select courses from at least three of the following areas:  
Anthropology  
Communication  
Economics  
Geography  
History  
Political Science  
Psychology  
Sociology

Mathematics (GE:MA) ..... 3 s.h.

Three hours of mathematics at least equivalent to MATH 1050 or 1065 or 1066 or 1067 or 2127 or three hours of logic at least equivalent to PHIL 1500  
(If logic is used to satisfy this requirement, it may not

be used to satisfy the humanities requirement for the baccalaureate degree.)

Humanities and Fine Arts  
(GE:HU) (GE:FA) ..... 10 s.h.

(Humanities and fine arts majors must meet the humanities and fine arts requirement outside their major field.)  
Select at least one course in humanities and one course in fine arts from the following areas:  
Humanities (GE:HU)  
Literature (English or American)  
Literature in a foreign language or in translation  
(See Departments of English and Foreign Languages and Literatures. Foreign languages 1001-1004 will not meet this requirement.)  
Philosophy  
Selected Linguistics Courses  
Fine Arts (GE:FA)  
Art  
Dance  
Music  
Speech  
Theatre Arts

Health (GE:HL) and Exercise and Sport Science (GE:EX) ..... 3 s.h.

(Select at least one course in each area.)

## **SECTION 6: UNDERGRADUATE STUDIES**

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Certain honors and interdisciplinary courses may be used to satisfy certain general education requirements. (See course listings in section 8.) For a listing of courses generally used to meet these requirements, see "General Education Goals, Objectives, and Courses Meeting the Requirement," a document published in *Taking Charge: Your Academic Planner*. The planner is distributed at orientation and is also available in the Student Stores.

### **REQUIREMENTS FOR BACCALAUREATE DEGREE PROGRAMS**

The bachelor's degree is conferred by the university upon the student's application when the student has earned the minimum number of semester hours of credit required for the degree by the major department or school, has met the general education requirements, and has fulfilled all requirements of the major/minor program. (See department and school listings. Also see following paragraphs for additional requirements.)

#### **ADDITIONAL REQUIREMENTS FOR DEGREES**

First-year students enrolling at East Carolina University in (or after) the fall of 1993 and transfer students enrolling in (or after) fall 1995 must fulfill the writing across the curriculum requirement prior to graduation. To do so, each student must complete a minimum of 12 s.h. of writing intensive courses, including ENGL 1100, 1200; at least one 3 s.h. writing intensive course in the major; and any other 3 s.h. writing intensive course of the student's choice. All second degree students will be required to complete at least 3 s.h. of writing intensive course work in the major. Writing intensive courses/sections are identified each semester in the course schedule book and will be designated WI on the student's transcript. If a writing course (a course whose primary content is writing according to its course title and description) is accepted in transfer by number and credit hour for a writing-intensive course at East Carolina University (e.g., ENGL 3880, ITEC 3290, etc.), the transferred credit hours will count as writing intensive for ECU degree requirements.

Major, minor, cognate, core curriculum, and/or certification requirements are presented in the department and school listings. If the degree program requires a minor, the minor must be identified at the time the student declares his or her major and must be approved by the major chairperson or dean or his or her designee. A minor shall not be fewer than 24 s.h. or more than 30 s.h. of credit.

Each academic unit will ensure that its majors complete at least one course which exposes them to cultural diversity. Courses which meet this requirement will be designated by the respective unit.

Many baccalaureate programs have requirements in addition to course work in general education, in the major field, and in the minor field. These additional requirements may be labeled cognate courses or professional courses required for teacher certification. Cognate and minor courses and courses used for the second major may be used to satisfy general education requirements, except where prohibited; professional courses required for teacher certification may not be used to satisfy general education requirements. One-half of the minimum semester hours required in the student's program must be earned at a senior college.

#### **ADDITIONAL REQUIREMENTS FOR BA DEGREE**

All candidates for the BA degree must complete a foreign language through level 1004 as part of their degree requirements. The number of required credits for a major shall not be fewer than 30 s.h. or more than 36 s.h. A candidate for the BA degree must declare a minor if required, unless he or she has chosen a major with a concentration and/or specified cognates. The number of required credits for a minor shall not be fewer than 24 s.h. or more than 30 s.h.

#### **SPECIAL REQUIREMENTS FOR BS DEGREE FOR STUDENTS PREPARING TO TEACH**

A minimum GPA of 2.5 is required for admission to and retention in the teacher education program. Additionally, PRAXIS I and computer competency requirements must be met. Students will complete a senior-year portfolio, which includes a technology product. To qualify for a North Carolina teacher license, the student must complete the following: a history course; a literature course; MATH 1065 or 1066 or 1067 or 2127; PSYC 1000; and PSYC 3206 for secondary and K-12 programs. All teacher education majors should consult their advisers to select appropriate courses which may be required as cognates in their academic discipline.

East Carolina University requires academic concentrations for all majors in elementary education; middle grades education; special education; business, career, and technical education; health education; and physical education. Students should consult their departmental adviser for specific information about this component of their program.

Professional credits for majors in elementary education; middle grades; science education; business, career, and technical education; and special education are listed in Section 7, School of Education: Requirements for Students Preparing to Teach. For majors in secondary education, birth through kindergarten, and K-12 programs, see BS degree curricula for students preparing to teach under appropriate department or school. Minors are required in some fields but not in others. Students should check the major requirements presented in the department and school listings to determine if a minor is required in a particular field.

## **THE HONORS PROGRAM**

Qualified students are eligible to participate in the Honors Program, which is described in Section 7, Honors and Interdisciplinary Programs and International Affairs.

## **GENERAL COLLEGE**

### **ENTRANCE**

All entering or transfer students in the lower division (freshmen and sophomores), with the exception of those designated below, are assigned to the General College for academic advising.

Students who are assigned at the time of admission to the university to the Schools of Art, Education (except elementary and middle grades education), Human Environmental Sciences, and Music or the Department of Construction Management will be advised in the appropriate school.

### **PURPOSE**

The General College functions to advise undergraduate students during their first two years and to prepare them for admission to a degree program. It affords an opportunity for students to explore various disciplines before becoming committed formally to any major. Although a student who enters with a definite career decision will be encouraged to take courses in the area of his or her interests and in most cases will be assigned an adviser from that major, the General College does not function to direct a student into a specific major. It functions to give the student an opportunity to examine several fields that appeal to him or her while completing the general education requirements. (See General Education, above.)

Although a General College student may decide on a major before the end of the sophomore year, that decision will not be registered formally until requirements for transfer into the proposed major have been met. After the student has made the decision, he or she may take some of the introductory courses in the major without making the formal declaration of major. Nevertheless, a student in the General College must give primary attention to fulfilling general education requirements.

It should be noted that it is the responsibility of the student to take the courses that are required for the chosen degree. In some programs, particularly those in the sciences and the allied health professions, the student should begin the appropriate science course sequences early in the program. Failure to follow the suggested curriculum may necessitate continuance of course work beyond four years.

During the period that the student is assigned to the General College, the university rule that a student adopt the catalog that is current whenever he or she changes his or her program does not apply. (See Section 5, Academic Regulations.) Except for the requirements for admission to certain programs, the catalog that was current at the time the student entered the General College will apply when he or she leaves the General College and declares a major unless (1) the student elects a later catalog; (2) the student changes his or her program after initial transfer from the General College; or (3) accreditation requirements for the university have been changed.

### **PROGRAM**

The program of the General College consists of the freshman- and sophomore-level courses that satisfy the requirements in general education for baccalaureate degrees. In some majors, notably music, art, and the sciences, sequence course work which must be taken in the freshman and sophomore years requires that some general education requirements be postponed until the junior year. Suggested course sequences and other advising information may be found in the *Undergraduate Studies Student Manual*.

DECLARATION OF MAJOR  
TRANSFER FROM THE GENERAL COLLEGE

A student assigned to the General College is eligible for transfer from the General College to other schools and departments in accordance with requirements specified in the following paragraphs. Students should also consult the departmental listings for requirements in addition to the basic pattern and for additional courses which are required in the freshman and sophomore years.

TO THE COLLEGE OF ARTS AND SCIENCES

Transfer to departments in the College of Arts and Sciences is possible when the following conditions are met: the student will have no more than 10 s.h. of general education requirements remaining at the end of the semester in which transfer is requested; the student has at least a C average in introductory courses in the proposed major field; the student is not on academic probation; and the student has met additional requirements of the academic unit.

TO THE SCHOOL OF ALLIED HEALTH SCIENCES

Admission, readmission, or transfer to departments in the School of Allied Health Sciences is not guaranteed by admission to the university or by completion of the general education program. Admission, readmission, or transfer to a department of the School of Allied Health Sciences is possible when the following conditions have been met: the student has completed the specific courses and hours of credit designated by the department, the student has maintained the minimum GPA designated by the department, the student has completed the application process of that department, and the student has been selected for admission by the department. A transfer or readmission student must have the approval of the ECU Office of Admissions.

Residents of North Carolina will be given preference in admission to all programs of the School of Allied Health Sciences.

The schedule of application deadline dates for each department in the School of Allied Health Sciences is shown below. (Since only a limited number of places are available in these programs, students should complete the application process by the date indicated.) Notification of acceptance or nonacceptance will be made prior to registration for the succeeding semester and/or summer school term unless otherwise indicated. The specific procedures for the application process should be obtained from each department. Application to the university is a separate process; students should contact the Office of Admissions for university application materials and procedures.

| Dept.                         | Application Deadline | Beginning of Prof. Program | Dept.                  | Application Deadline   | Beginning of Prof. Program |
|-------------------------------|----------------------|----------------------------|------------------------|------------------------|----------------------------|
| Clinical Laboratory Science   | February 1           | Fall                       | Physician Assistant    | October 15             | Summer                     |
| Health Information Management | February 16          | Fall                       | Rehabilitation Studies | October 15<br>March 15 | Spring<br>Fall             |

TO THE SCHOOL OF NURSING

Admission, readmission, and transfer to the School of Nursing are not guaranteed by admission to the university or by completion of the general education program. Admission, readmission, or transfer to the School of Nursing is possible when the following conditions are met: when the student has completed the specific courses designated by the school; when the student has a minimum cumulative GPA of 2.2 and a minimum grade of C in college algebra (or equivalent) and in each biology and chemistry course designated by the school; when the student has filed an application for admission to the clinical major in the School of Nursing Office of Student Services; when the student has been selected for admission by the school; and, if a transfer or readmitted student, when the student has been admitted by the ECU Office of Admissions.

The professional major in nursing begins either in fall or spring semester. There are a limited number of places available in the major; thus, interested students should complete the application to the clinical major by September 1 for spring admission or February 1 for fall admission. Notification of acceptance or nonacceptance will be made prior to semester early registration. The specific procedures for application to the School of Nursing should be obtained from the School of Nursing Office of Student Services. Application to the university is a separate process; students should contact the university Office of Admissions for their application materials and procedures. Students interested in transferring to the School of Nursing

should refer to Section 7, School of Nursing, for specific course and progression requirements and consult with the director of student services in the School of Nursing.

### **TO OTHER PROFESSIONAL SCHOOLS**

A student who is not on probation may transfer to the Schools of Art, Education (except elementary and middle grades education), or Human Environmental Sciences during the second semester in residence. A student may transfer to the School of Music during the first semester after successfully completing an audition.

Students enrolled at East Carolina University or other institutions may be considered for admission to the School of Business as transfer students.

Students who wish to transfer to the School of Computer Science and Communication should refer to Section 7, Degrees, School of Computer Science and Communication, for specific admission requirements.

Students interested in transferring to teacher education programs should refer to Section 7, Degrees, School of Education, for specific admission requirements.

Students interested in transferring to the School of Health and Human Performance should refer to Section 7, Degrees, School of Health and Human Performance, for specific admission requirements.

Students interested in transferring to the School of Industry and Technology should refer to Section 7, Degrees, School of Industry and Technology, for specific admission requirements.

Students interested in transferring to the School of Social Work and Criminal Justice Studies should refer to Section 7, Degrees, School of Social Work and Criminal Justice Studies, for specific course and admission requirements. Admission to the school is not guaranteed by admission to the university or by completion of the general education program. Students should contact the appropriate program chair for undergraduate studies for specific information regarding the application process of the respective program.

A student who is initially assigned to a professional school may transfer to the General College.

### **BACHELOR'S AND ACCELERATED MBA PROGRAM**

Students in fields other than business who are interested in careers in private or public sector management may complete the BA or BS and, if qualified, may complete the master of business administration in one additional year. The typical MBA program requires two years, or 60 s.h., beyond the four-year bachelor's degree. However, the accelerated program allows the student to meet up to 27 s.h. of the MBA by waivers, on a course-by-course basis, if the equivalent undergraduate courses are completed with a grade of A or B. The remaining 33 s.h. of the MBA may then be completed in two semesters and a summer session (two summer terms).

As part of the general education requirements, minor field, concentration, and electives, the student will prepare for the accelerated MBA program by completing the following courses with a grade of A or B: ACCT 2401\*, 2521\*; COMM 2420; DSCI 2223\*, 3063; ECON 2113\*, 2133; ENGL 3880; FINA 2244\*, 3724\*; MGMT 3202\*, 3352; MKTG 3832\*; MATH 1066, 2283\*. Completion of the courses marked with an asterisk (\*) will qualify students for a minor in business administration as part of the undergraduate degree. Students in programs which require ENGL 3820; ITEC 3290; MATH 2119, 2122, or 2172; and MATH 2228 may substitute these courses for the comparable courses above. Students who are unable to complete the entire program should consult their adviser or the assistant dean of graduate programs in the School of Business for the most appropriate combination of courses.

There is a separate entry process for admission to the MBA program. Students must consult the assistant dean for graduate programs in the School of Business at the beginning of their senior year about the entry requirements.

### **PREPROFESSIONAL AND TWO-YEAR CURRICULA**

Students desiring to enter the fields of dentistry, engineering, law, medicine, ministry, optometry, pharmacy, and veterinary medicine may take their preprofessional training at East Carolina University. The courses of study are based on the requirements of various professional schools and recommendations of national organizations qualified to represent their respective fields. Since there are minor differences in admission requirements, a student should know the requirements of

## SECTION 6: UNDERGRADUATE STUDIES

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the school he or she expects to attend. For further information, students should consult the appropriate advisers. Students in premedical, predental, preoptometry, and preveterinary curricula should register their interest with the prehealth professions adviser in the Office of Undergraduate Studies, B-103 Brewster.

### PREENGINEERING CURRICULUM (TWO-YEAR)

The ECU preengineering program, developed by the Department of Physics, has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A & T State University, North Carolina State University, and the University of North Carolina at Charlotte. The student completes a prescribed two-year sequence of courses at East Carolina University and then transfers to an engineering school where the requirements for an engineering degree are completed. Additional information is available through the Department of Physics.

The following is a typical sequence of courses:

#### First Year

**Fall:** ENGL 1100; MATH 2171; CHEM 1150, 1151; DESN 2034, 2035; 3 s.h. of electives chosen from history, political science, literature, anthropology, psychology, sociology, philosophy, and religion ..... 17 s.h.

**Spring:** ENGL 1200; MATH 2172; CHEM 1160, 1161; PHYS 1251, 2350 ..... 16 s.h.

#### Second Year

**Fall:** MATH 2173; PHYS 1261, 2360; CSCI 2510 or 2600; 6 s.h. of electives chosen from history, political science, literature, anthropology, psychology, sociology, philosophy, and religion ..... 17-18 s.h.

**Spring:** ECON 2113; MATH 4331; 6-9 s.h. of electives chosen from history, political science, literature, anthropology, psychology, sociology, philosophy, and religion ..... 15 s.h.

### PREHEALTH PROFESSIONS CURRICULUM

Philosophies of education and specific premedical and predental course requirements vary among medical and dental schools, but all emphasize the sciences (mathematics, chemistry, biology, and physics), communication skills, social sciences, and the humanities. An understanding of concepts and a vocabulary in the sciences are mandatory for medicine is based on principles stemming from these disciplines. Among American medical and dental schools, the most common requisites are physics, biology, general and organic chemistry, and English.

Most medical and dental schools recommend that students plan to obtain a four-year degree before initiating medical training. Students majoring in the sciences should try to obtain as broad a background in the social sciences and humanities as possible. Conversely, students majoring in a nonscience area should take more than the minimum science courses. Students wishing to attend medical or dental school should ascertain the requirements and recommendations of schools of their interest and select the specific courses required. The following specific courses are suggested as a part of, or in addition to, the requirements for the major: MATH 1065; BIOL 1100, 1101, 1200, 1201; CHEM 1150, 1151, 1160, 1161, 2750, 2753, 2760, 2763; PHYS 1250, 1260 or 2350, 2360; 1251, 1261.

### PRELEGAL CURRICULUM

The undergraduate program for law is not prescribed by courses as specifically as are other preprofessional programs. A prelaw education should prepare the student to understand the world in which he or she lives, to express himself or herself well, and to reason accurately and logically. In short, a liberal arts program with emphasis on communication skills is usually satisfactory.

Any one of several majors within a liberal arts program might be preferable if a student has, at the undergraduate level, a clear idea of the branch of law to be emphasized. A future lawyer interested in government might major in political science as an undergraduate. A future tax or corporate lawyer might stress economics or business. A future patent lawyer might emphasize the physical sciences. Students interested in family law might consider the child development and family relations curriculum in the School of Human Environmental Sciences. A prelaw student who plans to argue cases in a court of general jurisdiction might major in English, communication, history, political science, economics, sociology, psychology, geography, philosophy, social work, or criminal justice. Other majors may be just as valid, but most law students emphasize the humanities or the social sciences. Since most students need to complete a bachelor's degree to enter the law school of their choice, they should begin early in their college work to decide on a major in one of the academic departments.

Students interested in a prelaw curriculum should register their interest with the prelegal adviser in the Office of Undergraduate Studies, B-103 Brewster.

### **PREOPTOMETRY CURRICULUM**

Three years of college to include the following courses: ENGL 1100, 1200; BIOL 1100, 1101, 1200, 1201, 3220, 3221; CHEM 1150, 1151, 1160, 1161, 2750, 2753, 2760, 2763; MATH 1065, 2121, 2122, 2228; PHYS 1250, 1251, 1260, 1261; and two psychology courses.

### **PREPHARMACY CURRICULUM**

Students interested in transferring to schools of pharmacy should ascertain the specific requirements and recommendations of those schools. Assistance can be obtained by consulting the prepharmacy adviser in the Department of Chemistry.

### **PRETHEOLOGY CURRICULUM**

Students interested in seminary or divinity school may consult with Dr. Calvin Mercer, director of religious studies, A-440 Brewster; telephone 252-328-4310; e-mail [mercerc@mail.ecu.edu](mailto:mercerc@mail.ecu.edu); or visit the web site [www.ecu.edu/religious](http://www.ecu.edu/religious). A religious studies minor is currently available. Students may pursue a bachelor's degree in multidisciplinary studies with a concentration in religious studies.

### **PREVETERINARY CURRICULUM**

Three years of college to include the following courses: BIOL 1100, 1101, 1200, 1201, 2300, 3220, 3221, 3310, 3311; CHEM 1150, 1151, 1160, 1161, 2750, 2753, 2760, 2763; ENGL 1100, 1200; MATH 1065, 2121, 2122, 2228; PHYS 1250, 1251, 1260, 1261; and 6 s.h. of business courses.

## **ACADEMIC TRANSITION PROGRAM**

The Academic Transition Program, a one-year program that combines the regular curriculum with mentoring and basic skills instruction, is designed to assist freshmen as they make the transition between high school and the university. Only a limited number of students are selected. The program, operating since 1974, offers development in reading, writing, and study skills in coordination with college-level content courses in English, science, social science, mathematics, and fine arts. Students successful in the program earn a minimum of 20 s.h. toward the degree requirements.

## **COOPERATIVE EDUCATION**

Cooperative Education is an academic program that integrates work experience with college studies over the course of a student's collegiate program. College studies and work assignments combine to produce an overall learning experience that enhances the student's academic program and gives direction to his/her career development. Available to undergraduate and graduate students in all academic areas, the program provides a number of immediate and long-range opportunities

- to gain experience in a chosen field;
- to open doors to future employment;
- to apply classroom knowledge and skills;
- to work with professionals;
- to obtain academic credit, if appropriate; and
- to earn money for college expenses.

To participate, students must have earned a minimum cumulative GPA of 2.0 on college work completed. To remain in the program, students must perform work satisfactory to their employers and maintain an acceptable cumulative grade point average. All university regulations apply to co-op students.

Work assignments, which are tailored to the needs of the student and the employer, are coordinated with the university academic calendar. Work experience may be scheduled during mornings, afternoons, or various days of the week under the parallel co-op plan; for full semesters under the alternating program; or for summer only. In many cases it is possible, with advanced planning, to arrange a co-op program that will not delay graduation.

Inquiries or requests for further information and descriptive brochures should be directed to the Office of Cooperative Education, 2300 Bate Building, East Carolina University, Greenville, NC 27858-4353; telephone/fax 252-328-6979/252-328-4394; e-mail [coop@mail.ecu.edu](mailto:coop@mail.ecu.edu); web site [www.ecu.edu/coop](http://www.ecu.edu/coop).



**UNIVERSITY WRITING CENTER**

The University Writing Center provides support for all writing assignments in the university except for those in ENGL 1100 and 1200, which are supported by assistance offered by the Department of English's First-Year Writing Studio. The hub of the University Writing Center is in 2026 Bate Building, however, satellite locations are offered across campus wherever writing intensive courses are taught. Students are encouraged to visit any site of the University Writing Center at least twenty-four hours before an assignment is due to discuss a piece of writing with a trained writing consultant. Faculty teaching writing intensive courses, identified as (WI) in sections 7 and 8 of this catalog, are encouraged to discuss their assignments and approaches to instruction in and grading of writing with the writing consultant assigned to their building or with the director of University Writing Programs.

## THE HONORS PROGRAM

*Michael F. Bassman, Director, D-107 Brewster Building*

*Joyce G. Reed, Associate Director of the Honors Program and Director of the East Carolina Scholars Program*

The Honors Program is a university-wide endeavor that exists to ensure superior undergraduate students an exceptional educational experience, beginning with their first day in college. Eligible students accepted by the university are often contacted while they are still in high school. Currently enrolled freshmen and sophomores with a GPA of 3.4 are also invited to participate in the program, which each semester offers honors sections of many regular introductory courses (in such disciplines as English, history, anthropology, and psychology) and special, often interdisciplinary honors seminars designed to meet general education requirements. Many of these seminars are team-taught. In the HONRS course listing, general categories of the seminars are included; the precise topics and semesters in which the seminars are offered will be determined by honors student requests and faculty proposals. Students may take seminars with the same number twice for credit, if the topics are different. All honors seminars except the laboratory carry writing intensive credit.

To complete general education honors, students must complete 24 s.h. with a minimum grade of B and earn a minimum cumulative GPA of 3.3. After completion of general education honors, students with a 3.5 GPA or better may earn university honors in their major by completing a 6 s.h. senior project such as a thesis, field experience, community service, portfolio, or co-teaching semester.

For further information on qualifications and specific offerings, students should consult the director. The Honors Program is a member of the National Collegiate Honors Council and its regional and state affiliates and participates in national honors exchange programs.

## INTERDISCIPLINARY PROGRAMS

### GERONTOLOGY

*Linner Griffin, Center on Aging, Associate Director for Educational Programs, 112 Ragsdale Building*

The gerontology minor augments major fields of study with an overview of issues confronting elderly people and their service providers. In recognition that aging can be viewed from a variety of perspectives, courses from several academic programs are available. Special topics courses with aging as their primary content may be counted toward the minor. Inquiries should be directed to the associate director for educational programs. The minor requires 24 s.h. of credit. A maximum of 6 s.h. may count toward general education requirements and the gerontology minor.

- 1. Core ..... 6 s.h.**  
 CDFR/GERO/SOCW 2400. Introduction to Gerontology (3) (F,S) (GE:SO)  
 GERO/SOCW 5400. Seminar in Aging Studies (3) (P: Consent of instructor)
- 2. Core electives (Choose a minimum of three.) ..... 9-18 s.h.**  
 CSDI 5800. Communication Processes and Disorders in Aging (3) (P: Consent of instructor)  
 EXSS 5800. Physical Activity and Aging (3) (P: GERO 2400 or consent of instructor)  
 GERO/SOCW 5903. Readings in Aging Studies (3)  
 NURS 3205. Health in the Older Adult (3) (S) (P: GERO 2400 or consent of instructor)  
 PSYC 5400. Advanced Gerontology (3) (P: GERO 2400 or consent of instructor)  
 SOCI 5600. Seminar in Aging (3) (P: SOCI 2110; consent of instructor)
- 3. General electives (Choose a maximum of three.) ..... 0-9 s.h.**  
 AMID 2239. Apparel and Human Behavior (3) (S)  
 HIST 3920. Social History of American Medicine (3) (GE:SO)  
 HLTH 3020. Health Problems II (3) (S) (P: HLTH 3010 or consent of instructor)  
 PHIL 3281. Introduction to Philosophical Ethics in the Health Care Professions (3) (WI\*)  
 POLS 3242. Municipal Policy and Administration (3)  
 POLS 3255. Domestic Public Policy (3) (S)  
 PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

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SOCI 3327. Introductory Medical Sociology (3) (S) (GE:SO) (P: SOCI 2110 or consent of instructor)

SOCI 4325. Marriage and the Family (3) (F,S,SS) (GE:SO) (P: SOCI 2110)

SOCI 5200. Seminar in the Sociology of Health (3) (P: SOCI 2110 or consent of instructor)

### INTERNATIONAL AFFAIRS

*Rita Gonsalves, Acting Director, International House and Director, Study Abroad*

*Donald L. Spence, Associate Director, International House*

*Marolyn McDiarmid, Director, International Admissions, International House*

*Anne Tillman, Assistant Director, International Admissions, International House*

*Wellyn Dawson, International Students Adviser, International House*

*Rhonda P. Brown, Immigration Coordinator, International House*

*Delores Randolph, Financial and Budget Manager, International House*

East Carolina University views the creation of international awareness as an essential obligation of the contemporary university. It seeks structures through academic and co-curricular programming to provide students with the knowledge and skills to comprehend the world within a broad, flexible, and sensitive conceptual framework that takes into account the reality of interdependence among states and of international structures through academic and co-curricular programming. The university aims to produce liberally educated citizens of this and other countries capable of coping with complexity and diversity of the world in which we live.

### International Admissions and Services

The Office of International Affairs coordinates ECU's international student recruitment and admissions program, working with its own staff and others within the university to expand the international representation within its degree-seeking student body. International Affairs coordinates the international studies minor, which is a university-wide opportunity for students to add this dimension to their degree program. Additionally, the office offers all students and faculty a variety of opportunities to participate in international travel and learning experiences through summer-, semester-, or year-abroad programs. Fulbright and other scholarship or fellowship opportunities, teaching and research, or work experiences are a few of the activities addressed for students and faculty.

Students from countries other than the United States may apply to the chairperson of the Department of Foreign Languages and Literatures for a departmental certificate of American studies. (See Department of Foreign Languages and Literatures for requirements.)

### Study Abroad and Exchange Programs

East Carolina University is a member of several consortia which are designed to facilitate and promote the exchange of students within the US and abroad. Students can attend more than 150 foreign institutions or almost 120 institutions throughout the US by utilizing these exchanges. Of special interest is the fact that these exchanges permit students to study elsewhere while paying East Carolina University tuition and fees; thus, study abroad costs are often no more than the costs of studying at home. Participation in these programs is an excellent way of experiencing other areas of the United States and the world. Information and applications are available and processed through the Office of International Affairs.

In addition to the exchange programs, East Carolina University has numerous summer and longer-term study-abroad programs offered at its own tuition and fee rates. Programs in other countries are being added regularly. Study abroad programs from other North Carolina institutions, and institutions throughout the US are also available to East Carolina University students. The Office of International Affairs assists students in identifying and applying to programs of interest, utilizing its large resource library to find the best opportunities, and coordinates East Carolina study abroad activities.

### Co-Curricular Activities and Services

The Office of International Affairs houses the Japan Center East as a public service center for East Carolina University. It is devoted to increasing understanding and strengthening ties of mutual benefit between Japan and North Carolina through

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

cooperation with academic entities, public schools, and the community at large; to promote and develop research and teaching with Japan; and to form cooperative relationships which promote mutually beneficial activities and cultural understanding.

Phi Beta Delta, the international scholars' honorary for students, staff, and faculty is represented at East Carolina University by the Gamma Rho Chapter. Serving as its secretariat, the Office of International Affairs co-sponsors or arranges lecture programs, coffees, and dinners throughout the year to enhance the internationalization efforts of the institutions students and faculty

### The Thomas W. and Izabel B. Rivers Endowment Fund

The endowment fund established by Thomas W. and Izabel B. Rivers promotes the internationalization of ECU through support for students to study abroad, to attract international degree-seeking students to the university, and to assist faculty to engage in scholarly activities overseas. Awards are made throughout the year, as decided by a faculty panel. Information and applications are available through the Office of International Affairs.

Additionally, International Affairs coordinates the Rivers Distinguished Chair of International Affairs program. It ensures that throughout each academic year outstanding scholars are in residence, assisting schools or departments as well as faculty in the internationalization process through teaching, research, and conferences.

### International Studies Minor

The international studies minor program is designed to provide a central core of study along with a world region or academic topic and is available to students in any undergraduate division of the university. The minor will provide insight into social, political, cultural, and economic areas of international importance in our increasingly globalized society.

The minor program, coordinated through the Office of International Affairs, requires **24 s.h.** credit and can be earned with or without participation in either overseas opportunities or language training, although both are encouraged. Courses must be approved by the coordinator. No course credit counted toward a student's major may be used to fulfill the requirements of the program.

#### 1. Core ..... 9 s.h.

INTL 1000. Introduction to International Studies (3) (F,SS) (GE:SO)

Choose two from the following; maximum of one from any discipline:

ANTH 2005. Environmental Anthropology (3) (S) (GE:SO)

ECON 3353. Development Economics (3) (GE:SO) (P: ECON 2133)

GEOG 3003. Political Geography (3) (WI) (S) (GE:SO)

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) (GE:SO)

PHIL 2690. World Religions (3) (GE:HU)

POLS 2010. Introduction to Comparative Government and Politics (3) (WI) (F,S,SS) (GE:SO)

POLS 2020. Introduction to International Relations (3) (F,S,SS) (GE:SO)

#### 2. Concentration (Choose one.) ..... 12 s.h.

##### African Studies:

Choose a minimum of 6 s.h. from:

ANTH 3003. Cultures of Africa (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

GEOG 3050. Africa (3) (S) (GE:SO)

HIST 3810. History of Africa (3) (WI\*) (GE:SO)

POLS 3265. African Political Systems (3) (S) (GE:SO)

Choose an additional 6 s.h. from the remaining courses above or from the following or from a combination of the two.

ANTH 2010. Societies Around the World (3) (F,S,SS) (GE:SO)

ANTH 4054. Anthropology of Religion (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ECON 3353. Economics of Underdeveloped Countries (3) (GE:SO) (P: ECON 2133)

ENGL 3750. Introductory Linguistics (3) (S) (GE:HU) (P: ENGL 1200)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

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FORL 2624. Francophone Literature of Africa in Translation (3) (GE:HU)  
FREN 2443. Readings in the Francophone Cultures of Africa (3) (GE:HU) (P: FREN 1004)  
FREN 3558. The Francophone World: Colonization to Independence (3) (P: FREN 3500 or consent of dept chair)  
FREN 3560. The Contemporary French and Francophone World (3) (P: FREN 3500 or consent of dept chair)  
GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (GE:SO)  
HIST 5300. Comparative History of Non-Western Civilizations (3) (WI\*)

### Asian Studies:

Choose four from:

ANTH 3002. Cultures of East Asia (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
ANTH 3004. Cultures of the South Pacific (3) (EY) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
ANTH 3009. Motherhood of God in Asian Traditions (3) (EY) (GE:SO)  
GEOG 3051. Asia (3) (S) (GE:SO)  
HIST 3610. History of the Far East (3) (GE:SO)  
HIST 3611. History of the Far East Since 1600 (3) (GE:SO)  
HIST 5300. Comparative History of Non-Western Civilizations (3) (WI\*)  
HIST 5680. Diplomatic History of Modern Asia (3)  
INTL 2003. Introduction to Chinese Culture (3) (GE:HU) (P: ENGL 1200)  
INTL 2004. Introduction to Japanese Culture (3)

### European Studies:

Choose one from:

Group I - Fine Arts, Literature, Music, and Philosophy

ART 1907. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)  
ART 2900. History of Prints and Drawings (3) (F) (P: ART 1906, 1907)  
CLAS/ENGL 3460. Classical Mythology (3) (GE:HU) (P: ENGL 1200)  
ENGL 3330. Early Twentieth Century Drama (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)  
ENGL 3340. Contemporary Drama (3) (WI) (F-OY) (GE:HU) (P: ENGL 1200)  
ENGL 3450. Northern European Mythology (3) (WI) (FS-OY) (GE:HU) (P: ENGL 1200)  
ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (GE:HU) (P: ENGL 1200)  
FORL 2620. French Literature in Translation (3) (GE:HU)  
FORL 2660. Spanish Literature in Translation (3) (GE:HU)  
FORL 2680. German Literature in Translation (3) (GE:HU)  
FREN 2440. Readings in the Culture of France I (3) (GE:HU) (P: FREN 1004)  
FREN 2441. Readings in the Culture of France II (3) (GE:HU) (P: FREN 1004)  
GERM 2420. Culture of the German-Speaking World I (3) (GE:HU) (P: GERM 1004 or consent of dept chair)  
GERM 2421. Culture of the German-Speaking World II (3) (GE:HU) (P: GERM 1004 or consent of dept chair)  
INTL 2100, 2101. Arts and Sciences Abroad: Humanities (36) (GE:HU)  
INTL 2200, 2201. Arts and Sciences Abroad: Arts (36) (GE:FA)  
MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (2,2,2) (WI)  
PHIL 2330. Modern Philosophy (3) (FS) (GE:HU) (P: 3 s.h. in PHIL or consent of instructor)  
PHIL 2453. Existentialism/Phenomenology (3) (FS) (GE:HU)  
RUSS 2220. Russian Prose of the Nineteenth Century in Translation (3) (GE:HU)  
RUSS 2221. Russian Prose of the Twentieth Century in Translation (3) (GE:HU)  
SPAN 2440. Spanish Culture and Civilization (3) (WI\*) (P: SPAN 2222 or 2330 or consent of dept chair)

Group II - Geography and Political Science

GEOG 3047. Western Europe (3) (S) (GE:SO)  
INTL 2400, 2401. Arts and Sciences Abroad: Social Sciences (36) (SS) (GE:SO)  
POLS 3234. West European Political Systems (3) (F) (GE:SO)  
POLS 3235. East European Political Systems (3) (S) (GE:SO)  
POLS 4371. Western Political Thought I: Moses to Montesquieu (3) (RP: POLS 2070)  
POLS 4373. Western Political Thought II: Rousseau to Camus (3) (F) (RP: POLS 2070)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P/C, or P/C

Group III - History:

- HIST 3420. Early Modern Europe to 1648 (3) (GE:SO)
- HIST 3430. History of Europe, 1815-1914 (3) (GE:SO)
- HIST 3435. History of Europe Since 1914 (3) (GE:SO)
- HIST 5310. Intellectual History of Europe (3)
- HIST 5670. A Diplomatic History of Europe, 1815 to the Present (3)
- INTL 2400, 2401. Arts and Sciences Abroad: Social Sciences (36) (SS) (GE:SO)

Group IV - Choose one additional course from Groups I, II, III, or any subject-related course with prior approval of international studies coordinator:

**Latin-American Studies:**

Choose four from:

- ANTH 3016. Cultures of the Caribbean (3) (S) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3018. Cultures of South and Central America (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ECON 3353. Development Economics (3) (GE:SO) (P: ECON 2133)
- FORL 2661. Latin-American Literature in Translation (3) (GE:HU)
- FORL 2666. Latino Texts (3) (GE:HU)
- GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (GE:SO)
- GEOG 3049. South America (3) (WI) (F) (GE:SO)
- GEOG 3056. Middle America (3) (GE:SO)
- HIST 3710. Introduction to Latin-American History: Colonial Period (3) (WI\*) (GE:SO)
- HIST 3711. Introduction to Latin-American History: Since 1808 (3) (WI\*) (GE:SO)
- HIST 3780. Mexico and Central America (3) (WI\*) (GE:SO)
- HIST 5765. Latin America: 1492 to the Present (3) (WI\*)
- INTL 3010. Field Study in Latin America (6) (P: Consent of instructor)
- POLS 3270. Latin-American Political Systems (3) (S)
- SPAN 1220. Conversational Spanish Practiced in a Spanish-Speaking Country (3) (P: Consent of dept chair)
- SPAN 1440. Hispanic Culture Experienced in a Spanish-Speaking Country (2)
- SPAN 2222. Intermediate Spanish Conversation (3) (P: SPAN 1004 or consent of dept chair) or SPAN 3220. Advanced Oral Communication Through Multimedia (3) (P: SPAN 2222 or consent of dept chair)
- SPAN 2441. Latin-American Culture and Civilization (3) (P: SPAN 2222 or 2330 or consent of dept chair)
- SPAN 4560. Major Latin-American Authors (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair)
- SPAN 4561. Latin-American Texts of the Pre-Columbian and Colonial Periods (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)
- SPAN 4563. Latin-American Texts: The Boom and Beyond (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)

**Specialized Concentration:**

With the advice and written approval of the coordinator and the coordinating committee of the international studies minor, a student may develop a topical course of studies (totaling 12 s.h.) around a specific theme in international studies. The following examples are suggestive of possible themes: international environmental problems, global communications, human rights issues, peace and world order studies, international trade/technology, population/demographic issues, international art, comparative religions, comparative literatures, comparative gender relations, language, and civilization.

**3. Senior Seminar ..... 3 s.h.**

- INTL 5000. Senior Seminar in International Studies (3) (P: Consent of instructor)

### COLLEGE OF ARTS AND SCIENCES

*W. Keats Sparrow, Dean, 1002 Bate Building*

*Scott W. Snyder, Senior Associate Dean, 1008 Bate Building*

*Richard Todd Berry, Assistant Dean for Data and Resource Management, 1002 Bate Building*

*Paul W. Dowell, Associate Dean for Undergraduate Studies, 1008 Bate Building*

*Heather Ries, Assistant Dean for Research and Graduate Studies, 1008 Bate Building*

#### PURPOSE

A community of scholars dedicated to the intrinsic value of learning, the College of Arts and Sciences is the liberal arts college of East Carolina University. The college is a federation of departments in the traditional academic disciplines—the humanities and fine arts, the natural sciences and mathematics, and the social sciences—and also includes creative and professional programs, academic centers and institutes, and interdisciplinary programs allied to the liberal arts. College faculty are committed to excellence in teaching and advising, in research or creative productivity, and in professional service.

The college provides major and minor studies in the liberal arts at the undergraduate level and major studies at the master's and doctoral levels. In addition, as the university's cornerstone academic program, the college provides general education in the liberal arts for all students. College courses introduce students to traditions of learning and inquiry, present them with information essential for performing societal and professional roles, and challenge them to examine the values which guide the organization and application of human knowledge. All courses are designed to develop students' thinking, writing, research, and mathematical skills and their lifelong commitment to continuing education.

In addition to its liberal arts programs, the college offers teacher education and other professional certification programs related to its traditional academic disciplines. Students majoring in these programs learn the basic theories and practices in their fields while preparing themselves for leadership roles and careers.

The curricula of the college are constantly examined, updated, and enhanced. Consequently, in the spirit of the liberal arts, the more than 13000 students enrolled annually in college courses have access to current ideas and information from professors whose learning never ceases.

#### CURRICULA

The College of Arts and Sciences offers the following degrees and academic programs:

Bachelor of Arts (BA) (See departments for subjects and areas.)

Bachelor of Fine Arts (BFA) in theatre and dance

Bachelor of Science (BS) (See departments for subjects and areas.)

Bachelor of Science (BS) for students preparing to teach in secondary schools (See depts. of subjects and areas.)

Bachelor of Science in applied physics (BSAP)

Preprofessional and Two-Year Curricula

The general education requirements for these programs are listed in Section 6, Undergraduate Studies; requirements in the field of the student's major are listed below and subsequently by departments.

### COLLEGE OF ARTS AND SCIENCES INTERDISCIPLINARY PROGRAMS

#### CLASSICAL STUDIES

*Anthony Papalas, Director, A-321 Brewster Building*

The classical studies minor is an interdisciplinary program in the College of Arts and Sciences. The minimum requirement is **24 s.h.**, which includes required courses in history and either Latin or Greek. The program, with electives in art, classical studies, English, foreign languages, history, philosophy, and religious studies, is designed to encourage students to study all aspects of the ancient civilizations of Greece and Rome. A maximum of 6 s.h. from each of the following may count toward the classical studies minor: courses used to satisfy the general education requirements; LATN or GRK courses used to satisfy the foreign language requirement for the BA degree; directed readings in LATN or GRK; and study abroad programs

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

approved by the director. Additional courses beyond those listed may be approved by the director if they significantly advance the student's understanding of classics. No semester hours counted toward the student's major may count toward the classical studies minor. In many cases, prerequisites for courses listed below will be waived by the constituent departments.

**1. Core ..... 15 s.h.\***

Choose 3 s.h. from:

HIST 3405. History of Ancient Greece to 146 BC (3) (GE:SO)

HIST 3410. History of Ancient Rome (3) (F) (GE:SO)

Choose 6 s.h. of the same language from:

GRK 1001. Ancient Greek Level I (3) (F)

GRK 1002. Ancient Greek Level II (3) (S) (P: GRK 1001 or consent of instructor)

LATN 1001. Latin Level I (3) (F)

LATN 1002. Latin Level II (3) (S) (P: LATN 1001 or consent of instructor)

Choose an additional 6 s.h. of courses listed above, or from the following:

CLAS 2000. Introduction to Classics (Humanities) (3) (GE:HU) or CLAS 2001. Introduction to Classics (Social Sciences) (3) (GE:SO) or CLAS 2002. Introduction to Classics (Fine Arts) (3) (GE:FA)

CLAS 2220. Great Works of Ancient Literature I: Greece (3) (GE:HU)

CLAS 2230. Great Works of Ancient Literature II: Rome (3) (GE:HU)

CLAS 4000. Seminar in Classics (3)

GRK 1003. Ancient Greek Level III (3) (P: GRK 1002 or consent of instructor)

GRK 1004. Ancient Greek Level IV (3) (P: GRK 1003 or consent of instructor)

GRK 3001. Homer and Hesiod (3) (GE:HU) (P: GRK 1004 or consent of instructor)

GRK 3002. Age of Herodotus (3) (GE:HU) (P: GRK 3001 or consent of instructor)

GRK 4521, 4522, 4523. Directed Readings in Greek (1,2,3) (P: Consent of instructor)

LATN 1003. Latin Level III (3) (P: LATN 1002 or consent of instructor)

LATN 1004. Latin Level IV (3) (P: LATN 1003 or consent of instructor)

LATN 3001. Age of Cicero (3) (GE:HU) (P: LATN 1004 or consent of instructor)

LATN 3002. Age of Augustus (3) (GE:HU) (P: LATN 3001 or consent of instructor)

LATN 4001. Silver Latin Literature (3) (GE:HU) (P: LATN 3002 or consent of instructor)

LATN 4002. Roman Drama (3) (GE:HU) (P: LATN 4001 or consent of instructor)

LATN 4521, 4522, 4523. Directed Readings in Latin (1,2,3) (P: Consent of instructor)

PHIL 3311. Plato (3) (GE:HU) (P: Consent of instructor)

PHIL 3312. Aristotle (3) (GE:HU) (P: Consent of instructor)

**2. Electives ..... 9 s.h.\***

Choose an additional 9 s.h. of courses listed above, or from the following:

ART 1906. Art History Survey (3) (FS) (GE:FA)

ART 2905. Masterpieces and Ideas in the History of Art (3) (GE:FA)

ART 2910. Ancient Art History (3) (WI\*) (FS) (P: ART 1906, 1907)

ART 2920. Art of the Middle Ages (3) (P: ART 1906, 1907)

CLAS 1300. Greek and Latin for Vocabulary Building (3) (FS) (GE:HU)

CLAS 2400. Women in Classical Antiquity (3) (GE:HU)

CLAS 3400. The Ancient City: Rome (3) (FS) (GE:HU)

CLAS 3410. The Ancient City: Pompeii (3) (GE:HU)

CLAS 3460. Classical Mythology (3) (GE:HU)

ENGL 3460. Classical Mythology (3) (S) (GE:HU)

ENGL 3600. Classics Homer to Dante (3) (GE:HU)

HIST 3406. War and Society in Ancient Greece and Rome (3) (F) (GE:SO)

HIST 3412. A History of Christianity to 1300 (3) (GE:SO)

HIST 3415. The Middle Ages (3) (F) (GE:SO)

HIST 5340. The Ancient Near East (3)

HIST 5505. Maritime History of the Western World to 1415 (3)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science



## SECTION 7: DEGREES

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PHIL 2310. Ancient Philosophy (3) (FS) (GE:HU)

PHIL 2320. Medieval and Renaissance Philosophy (3) (FS) (GE:HU)

PHIL 3350. Great Philosopher (3) (F) (GE:HU)

RELI 5000. Religious Studies Seminar (3)

\* Students who have satisfied core requirements with courses whose semester hours cannot be counted toward the minor (e.g., by applying LATN or GRK 1003, 1004 toward the foreign language requirement) may replace those hours with any listed course(s) to equal 24 s.h.

### COASTAL AND MARINE STUDIES

*Paul Gares, Director, A-224 Brewster Building*

The coastal and marine studies minor requires a minimum of **24 s.h.** and is designed to provide students with an overview of coastal and marine resources. Considerable attention is devoted to the biological, physical, social, and historical aspects of coastal and marine resources. Whenever possible, information from North Carolina and other US coastal and marine environments is used to illustrate or emphasize important concepts. A maximum of 6 s.h. may be used to satisfy general education requirements and requirements for the coastal and marine studies minor. A course may not count toward the student's major and the coastal and marine studies minor.

**1. Core ..... 10 s.h.**

COAS 2025. Survey of Coastal and Marine Resources (3) (F) (P: Basic science course in BIOL, CHEM, GEOL, or PHYS)

COAS 4025. Society and the Sea Seminar (3) (S) (P: COAS 2025)

GEOL 1550. Oceanography (4) (S) (GE:SC)

**2. Electives (Choose at least 3 s.h. from 3 of the 4 areas below in consultation with the director) ..... 14 s.h.**

(COAS 5001, 5002 and other courses may be counted toward the minor; however, the director must approve the course substitution.)

**Biological Science:**

BIOL 1060. Environmental Biology (4) (F,S,SS) (GE:SC)

BIOL 2250, 2251. Ecology and Laboratory (3,1) (P: BIOL 1100, 1101, 1200, 1201)

BIOL 3230, 3231. Field Botany (4,0) (F,S,SS) (P: 3 s.h. of general BIOL with a lab)

BIOL 3240, 3241. Field Zoology (4,0) (F) (P: BIOL 1060 or 2250)

BIOL 3400, 3401. Biological Field Studies of the Coastal Plain (4,0) (P: 2 courses in BIOL or GEOL or consent of instructor)

BIOL 3660. Introduction to Marine Biology (3) (F,S,SS) (P/C: BIOL 2250, 2251)

BIOL 5680. Current Topics in Coastal Biology (2) (P: Consent of instructor)

BIOL 5270. Marine Community Ecology (3) (P: BIOL 2250, 2251; or consent of instructor)

BIOL 5750, 5751. Introduction to Regional Field Ecology (2,0) (WI)

**Maritime History:**

HIST 5505. Maritime History of the Western World to 1415 (3)

HIST 5515. Maritime History of the Western World from 1415-1815 (3) (WI\*)

HIST 5520. Maritime History of the Western World Since 1815 (3)

HIST 5530. Field School in Maritime History and Underwater Research (2) (P: Consent of instructor)

HIST 5920, 5921. Techniques of Museum and Historic Site Development (3,0)

**Physical Science:**

GEOG 3220. Soil Properties, Surveys, and Applications (3) (F) (P: GEOG 2250)

GEOG 4220. Coastal Geography (3) (WI) (S) (P: GEOG 2200, 2250; or consent of instructor)

GEOL 1500. Dynamic Earth (3,1) (F,S,SS) (GE:SC)

GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (GE:SC)

GEOL 1700. Environmental Geology (4) (FS) (GE:SC)

GEOL 5300. Geology of Coastal Processes and Environments (3) (P: GEOL 1550, 4010, 4011; or consent of instructor)

GEOL 5350. Marine Geology (3) (P: GEOL 1550, 4010, 4011; or consent of instructor)

PHYS 1050. Physics and the Environment (4) (F,S,SS) (GE:SC)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

**Social Science:**

- ANTH 3004. Cultures of the South Pacific (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3016. Cultures of the Caribbean (3) (S) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 4260. Cultural Ecology (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 5065. Maritime Anthropology (3) (P: ANTH 2200 or consent of instructor)
- ECON 3855. Environmental Economics (3) (GE:SO) (P: ECON 2133)
- POLS 3256. The Politics of Energy and Environment (3) (F)
- POLS 3257. International Environmental Policy (3)
- SOCI 3410. Introduction to Maritime Sociology (3) (GE:SO) (P: ANTH 1000 or SOCI 2110)

**ETHNIC STUDIES**

*Gay Wilentz, Director, 2105 Bate Building*

*Ellen Arnold, Assistant Director, 2145 Bate Building*

The ethnic studies minor requires **24 s.h.** of credit. A maximum of 6 s.h. may be used to satisfy general education requirements and requirements for the ethnic studies minor. A course may not count toward the student's major degree and the ethnic studies minor. Study programs abroad having the prior approval of the director will be accepted for no more than 6 s.h. of credit toward the minor. Additional courses beyond those listed above will be accepted if they significantly further the student's understanding of ethnic studies. Departmental prerequisites may be waived in special cases by the department offering the course.

**1. Core ..... 6 s.h.**

- ETHN 2001. Introduction to Ethnic Studies: Humanities (3) (F,S,SS) (GE:HU) or ETHN 2002. Introduction to Ethnic Studies: Social Science (3) (GE:SO) or ETHN 2003. Introduction to Ethnic Studies: Fine Arts (3) (GE:FA)
- ETHN 4000. Directed Readings in Ethnic Studies (3) (P: ETHN 2001 or 2002 or 2003 or consent of director)

**2. Electives ..... 18 s.h.**

Choose 12 s.h. from:

- ANTH 3005. North American Indians (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3200. Women's Roles in Cross-Cultural Perspective (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ENGL 3260. Black Literature in America (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 3570. American Folklore (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 5230. Southern Regional Writing (3) (WI) (P: ENGL 1200)
- ETHN 3500. Selected Topics in Ethnic Studies (3) (P: ETHN 2001 or 2002 or 2003 or consent of instructor)
- FORL 2600. Literature in Translation: The Holocaust (3) (S) (GE:HU)
- FORL 2661. Latin-American Literature in Translation (3) (WI) (GE:HU)
- FORL 2666. Latino Texts (3) (F) (GE:HU)
- HIST 3110. History of African Americans (3) (GE:SO)
- POLS 3039. Black Politics in America (3) (F) (GE:SO)
- POLS 3224. Civil Liberties (3) (GE:SO)
- SOCI 4345. Racial and Cultural Minorities (3) (F) (GE:SO) (P: ANTH 1000 or SOCI 2110)
- WOST 2000. Introduction to Women's Studies: Humanities (3) (F,S,SS) (GE:HU)

Choose 6 s.h. from:

- ANTH 3009 or WOST/RELI 3000. Motherhood of God in Asian Traditions (3) (EY) (GE:SO)
- ENGL 3300. Women and Literature (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 4360. World Literature in English (3) (WI) (S-EY) (GE:HU) (P: ENGL 1200)
- FORL 2622. Francophone Literature of the Americas in Translation (3)
- FORL 2624. Francophone Literature of Africa in Translation (3)
- FREN 2442. Readings in the Francophone Cultures of the Americas (3) (P: FREN 1004)
- FREN 2443. Readings in the Francophone Cultures of Africa (3) (P: FREN 1004)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

FREN 3558. The Francophone World: Colonization to Independence (3) (P: FREN 3500 or consent of dept chair)  
FREN 3560. The Contemporary French and Francophone World (3) (P: FREN 3500 or consent of dept chair)  
HIST 3005. Selected Topics in History (3) (WI\*) (GE:SO)  
HIST 3140. Women in American History (3) (GE:SO)  
HIST 3205. History of American Urban Life (3)  
HIST 5005. Selected Topics in History (3)  
HIST 5140. The Old South (3)  
HIST 5141. The South Since 1877 (3) (WI\*)  
INTL 2003. Introduction to Chinese Culture (3) (GE:HU) (P: ENGL 1200)  
INTL 2004. Introduction to Japanese Culture (3)  
INTL 3010. Field Study in Latin America (6) (P: Consent of instructor)  
MUSC 2258. History of Jazz Music (2) (F,S,SS) (GE:FA)  
SOCI 5400. Seminar in Gender Roles (3) (P: SOCI 2110; consent of instructor)  
SOCW 5007. Women as Clients (3)  
SPAN 2441. Latin-American Culture and Civilization (3) (P: SPAN 2222 or 2330 or consent of dept chair)  
SPAN 4560. Major Latin-American Authors (3) (P: SPAN 2441, 2550; or consent of dept chair)  
SPAN 4561. Latin-American Texts of the Pre-Columbian and Colonial Periods (3) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)  
SPAN 4562. Latin-American Texts of the Nineteenth and Early Twentieth Centuries (3) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)  
SPAN 4563. Latin-American Texts: The Boom and Beyond (3) (P: SPAN 2441, 2550; or consent of dept chair)  
SPAN 5550. Hispanic Women Writers (3) (P: Consent of dept chair)

### MEDIEVAL AND RENAISSANCE STUDIES

*Eugene Ryan, Interim Director, C-300 Brewster Building*

The minor in Medieval and Renaissance studies requires **24 s.h.** credit. The interdisciplinary program includes an introductory course and a senior/graduate-level seminar. In addition, the program includes courses from the following disciplines: art, history, English, foreign languages and literatures, music, and philosophy. Courses taken to meet general education requirements cannot be used to satisfy the requirements of the Medieval and Renaissance studies minor. The student's minor program must be approved by the director of Medieval and Renaissance studies.

- 1. Foreign language through level 1004 ..... 12 s.h.**
- 2. Core ..... 3 s.h.**

MRST 5000. Medieval and Renaissance Studies Seminar (3) (P: 9 s.h. in MRST or consent of director)

- 3. Electives (Choose from at least four of the areas of study listed below.) ..... 21 s.h.**

No more than 3 s.h. of course work in the student's major field of study will be accepted for credit toward the minor.

Study programs abroad in Europe having prior approval of the director will be accepted for no more than 6 s.h. of credit toward the minor. Additional courses not listed below will be accepted if they significantly further the student's understanding of the Middle Ages or the Renaissance; prior approval by the director is required for additional courses. Departmental prerequisites may be waived in special cases. Students should contact the director and/or their major dept chair.

ART 2920. Art of the Middle Ages (3) (P: ART 1906, 1907)  
ART 3930. Italian Renaissance Art: 1300-1500 (3) (P: ART 1906, 1907)  
ART 3940. Italian Renaissance Art: 1500-1600 (3) (VI\*) (F,S) (P: ART 1906, 1907)  
ART 4900. Northern Renaissance Art History (3) (WI\*) (F) (P: ART 1906, 1907)  
CLAS 2230. Great Works of Ancient Literature II: Rome (3) (GE:HU)  
ENGL 4010. Medieval Literature (3) (WI) (S-OY) (GE:HU) (P: ENGL 1200)  
ENGL 4020. Chaucer (3) (WI) (F-OY) (GE:HU) (P: ENGL 1200)  
ENGL 4030. Milton (3) (S-EY) (GE:HU)  
ENGL 4050. Literature of the New World to 1820 (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

ENGL 4070. Shakespeare: The Histories (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)  
 ENGL 4080. Shakespeare: The Comedies (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)  
 ENGL 4090. Shakespeare: The Tragedies (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)  
 FORL 2665. Don Quixote (3) (WI) (S) (GE:HU)  
 FREN 3555. France of the Middle Ages and Renaissance (3) (P: FREN 3500 or consent of dept chair)  
 HIST 3415. The Middle Ages (3) (GE:SO)  
 HIST 3420. Early Modern Europe to 1648 (3) (GE:SO)  
 HIST 3480. English History to 1603 (3) (GE:SO)  
 HIST 5350. The Renaissance in European History (3)  
 HIST 5360. The Reformation, 1450-1598 (3)  
 HIST 5450. Tudor-Stuart England (3)  
 MRST 2000. Introduction to Medieval and Renaissance Studies (3) (F) (GE:HU)  
 MUSC 1406. Music History and Literature (2) (WI) (S)  
 PHIL 2310. Ancient Philosophy (3) (F,S) (GE:HU)  
 PHIL 2320. Medieval and Renaissance Philosophy (3) (F,S) (GE:HU)  
 SPAN 4555. Medieval Spain (900-1499) (3) (WI) (P: SPAN 2440, 2550: or consent of dept chair)

## **MULTIDISCIPLINARY STUDIES**

*Calvin Mercer, Director, A-440 Brewster Building*

Multidisciplinary studies is a university-wide program administered by the College of Arts and Sciences. The multidisciplinary studies degree is designed for the student who has clear interests and objectives that overlap schools, departments, degrees, or concentrations and cannot be achieved through established majors. The goals of the degree are to foster multidisciplinary study among the various schools and departments of the university; to enable motivated students to pursue degrees in specialized or new fields of their own design; and to encourage undergraduates to pursue research interests while working closely with faculty.

A course of study should be identified and developed by the student in consultation with faculty in the appropriate disciplines and the director of multidisciplinary studies. The student and a faculty mentor then submit a formal proposal to the multidisciplinary advisory committee, including a list of faculty who might supervise the proposed course of study. If the proposal is approved, the multidisciplinary advisory committee appoints an adviser and a student program advisory committee to assist the student in completing the program and to ensure the high quality of the student's work. Then the student declares a major. As part of the requirements for the major, all students must complete MULT 3500 and 4999. MULT 3500 is thesis/creative project research supervised by the faculty mentor(s); MULT 4999 is a senior seminar in which students present their theses/creative projects to fellow students. Both courses are writing intensive (WI) and satisfy part of the university writing requirement. Multidisciplinary majors are available as BA or BS degrees. Degree proposals must total 126 s.h. and contain a minimum of 18 s.h. above the 2999 level. Proposed curricula may encompass not only a major but also a minor course of study as well as cognates to satisfy general education, foreign language, or elective requirements for the appropriate degree. Honors are awarded to students who earn a 3.5 GPA in approved major courses. Upon completion of the degree, the student's transcript will read as follows: Multidisciplinary plus area of study or thesis/creative project topic.

## **Admission**

Interested students should contact the director of multidisciplinary studies as early as possible in their academic program for advice and referral to faculty in appropriate disciplines. A proposed course of study must be approved by the multidisciplinary advisory committee; copies of transcripts of all collegiate work must be submitted with the proposal. To declare a major, students must have completed 30 s.h. with a minimum cumulative 2.0 GPA.

SECTION 7: DEGREES

BA in Multidisciplinary Studies

Minimum degree requirement is 126 s.h. of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) ..... 42 s.h.
- 2. Foreign language through level 1004 ..... 12 s.h.
- 3. Major and minor required courses as follows ..... 54-66 s.h.  
MULT 3500. Research in Multidisciplinary Studies (3) (WI) (P: Admission to MULT; consent of instructor)  
MULT 4999. Seminar in Multidisciplinary Studies (3) (VI) (P: MULT 3500; consent of instructor)  
Choose a minimum of 18 s.h. electives above 2999  
A structured minor or 30-36 s.h. of approved courses in a multidisciplinary major
- 4. Electives, appropriate cognates, and other courses to complete requirements for graduation.

BS In Multidisciplinary Studies

Minimum degree requirement is 126 s.h. of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) ..... 42 s.h.
- 2. Major and minor required courses as follows ..... 66 s.h.  
MULT 3500. Research in Multidisciplinary Studies (3) (WI) (P: Admission to MULT; consent of instructor)  
MULT 4999. Seminar in Multidisciplinary Studies (3) (VI) (P: MULT 3500; consent of instructor)  
Choose a minimum of 18 s.h. electives above 2999  
A structured minor or 42 s.h. of approved courses in a multidisciplinary major
- 3. Electives, appropriate cognates, and other courses to complete requirements for graduation.

Multidisciplinary Minor

The multidisciplinary minor, designed for students who have interests not met by existing minors, requires 24 s.h. credit, 9 s.h. of which must be above 2999. The theme-focused minor should normally comprise courses from three to five disciplines and should not reproduce existing disciplinary or other multidisciplinary minors. Courses should exclude the student's major. A declared major who is interested in the multidisciplinary minor and who has completed a minimum of 30 s.h. should discuss with his or her adviser the theme around which the minor will be developed and submit a written plan to the faculty member assigned by the student's major department to oversee the multidisciplinary minor and to that department's chair. Criteria for the plan include thematic unity and coherence and clarity of educational objectives. The plan must be approved before the student has completed 80 s.h. and before submission of the senior summary, to which a copy of the approved plan will be attached. The student will complete the course of study under the supervision of his or her adviser.

NEUROSCIENCE

Larry W. Means, Director, 133 Rawl Building

The neuroscience minor is designed to provide students with an introduction to the study of neuroscience at the various structural and functional levels of analysis, including molecular, cellular, integrative, and behavioral. (Students interested in a neuroscience major should see multidisciplinary studies, described above, and contact the neuroscience program director.) The minor requires completion of core courses (20 s.h), a laboratory course (2 or 3 s.h), and an elective course (2-5 s.h.). In the event that courses required for the minor are also required for the student's major, neuroscience elective courses should be taken so that a minimum of 24 s.h. of unique neuroscience courses are completed for the minor. The major adviser should send a potential minor to the director for advising. The minumum requirements for the minor are 24 s.h. as follows:

- 1. Core ..... 20 s.h.  
BIOL 1200, 1201. Principles of Biology II (4,0) (F,S,SS) (GE:SC)  
CHEM 1160, 1161. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151: C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall: (S)=Spring: (SS)=Summer Session: (OY)=Odd Year: (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

NEUR 4900. Cellular and Molecular Neuroscience (3) (F) (P: Senior standing; consent of instructor)  
 NEUR 4901. Behavioral and Integrative Neuroscience (3) (S) (P: Senior standing; consent of instructor)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO) or PSYC 1060. Honors Introductory Psychology (3) (FS) (GE:SO)  
 PSYC 3310. Introduction to Neuroscience (3) (F,S,SS) (GE:SO)

**2. Neuroscience Laboratory Course (Choose one.) ..... 2-3 s.h.**

NEUR 4201. Laboratory Methods in Cellular and Molecular Neuroscience (2) (S)  
 PSYC 5312, 5313. Laboratory Methods in Physiological Psychology (30) (P: PSYC 3310, 3311; or consent of instructor)  
 PSYC 5315, 5316. Behavioral Neuroscience: Literature and Laboratory Experience (3,3) (P: PSYC 2210; 3310 or 3311; consent of instructor)

**3. Electives ..... 2-5 s.h.**

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (GE:SC) (P: BIOL 1050, 1051; or 1100, 1101)  
 BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (GE:SC) (P/C: BIOL 2130)  
 BIOL 2300. Principles of Genetics (3) (F,S,SS) (GE:SC) (P: 2 BIOL courses)  
 BIOL 3310, 3311. Cellular Physiology (4,0) (F,S,SS) (P: Organic CHEM or biochemistry course)  
 BIOL 3320. Principles of Animal Physiology (3) (F,S,SS) (P: Organic CHEM or biochemistry course)  
 BIOL 3520. Biological Evolution (3) (F,S,SS)  
 BIOL 5510, 5511. Transmission Electron Microscopy (4,0) (P: Senior standing as a biology major or consent of instructor)  
 BIOL 5520, 5521. Scanning Electron Microscopy and X-Ray Analysis (2,0) (P: Senior standing as a biology major or consent of instructor)  
 CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161; C: CHEM 2753)  
 CHEM 2753. Organic Chemistry Laboratory I (1) (F,S,SS) (C: CHEM 2750)  
 CHEM 2760. Organic Chemistry II (3) (F,S,SS) (P: CHEM 2750; C: CHEM 2763)  
 CHEM 2763. Organic Chemistry Laboratory II (1) (F,S,SS) (P: CHEM 2750, 2753; C: CHEM 2760)  
 CHEM 2770. Biological Chemistry (3) (F,S) (GE:SC) (P: CHEM 2650 or 2760)  
 CHEM 2771. Biological Chemistry Laboratory (1) (F,S) (GE:SC) (C: CHEM 2770)  
 ELEC 2054, 2055. Electricity/Electronics Fundamentals (30) (F,S,SS) (P: MATH 1065 or 1066 or 1085 or 2119)  
 MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (GE:MA)  
 MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121)  
 NEUR 4200. Literature in Neuroscience (1) (F)  
 PHIL 1262. Introduction to Philosophical Issues in Biology (3) (F,S) (GE:HU)  
 PHIL 2261. Introduction to Philosophy of Science (3) (GE:HU)  
 PSYC 2210. Experimental Psychology (4) (VI) (F,S) (GE:SO) (P: MATH 1065 or equivalent or MATH 2127; PSYC 2101)  
 PSYC 3225. Psychology of Learning (3) (F,S,SS) (GE:SO)  
 PSYC 3226. Human Learning and Cognition (3) (F,S,SS) (GE:SO)  
 PSYC 3290. Comparative and Evolutionary Psychology (3) (GE:SO)  
 PSYC 3311. Neuropsychology (3) (F,S) (GE:SO)  
 PSYC 5311. Sensation and Perception (3) (P: PSYC 3310, 3311; or consent of instructor)  
 PSYC 5320. Behavioral Pharmacology Seminar (3) (P: PSYC 3310, 3311; or consent of instructor)  
 Any course listed under 2., above, not used to meet lab requirement may be chosen as an elective.

## NORTH CAROLINA STUDIES

*Maurice C. York, Director, 3300 J.Y. Joyner Library*

The minor in North Carolina studies is an interdisciplinary program that requires **24 s.h.** credit and provides students with a comprehensive natural and cultural history of North Carolina and a knowledge of the contemporary conditions and issues that history has created. The program requires an introductory course, a senior research seminar, a series of core courses, and electives drawn from the following disciplines: anthropology, biology, English, geography, geology, history, and political science. Courses taken to meet general education requirements cannot be used to satisfy the requirements of the North Carolina studies minor. The student's minor program must be approved by the director of the North Carolina studies program.

**1. Core ..... 15 s.h.**

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

SECTION 7: DEGREES

ENGL 4230. North Carolina Literature (3) (WI) (S-OY) (GE:HU) (P: ENGL 1200)  
GEOG 3055. North Carolina (3) (F) (GE:SO)  
HIST 3100. North Carolina History (3) (FS) (GE:SO) or 5135. Problems in North Carolina History (3) (S) (WI\*)  
(P: HIST 1050, 1051; or consent of instructor)  
NCST 2000. Introduction to North Carolina Studies (3) (FS)  
NCST 4000. Windows on North Carolina's Past (3) (S) (P: NCST 2000; 6 s.h. in NCST; or consent of director) or  
4010. Contemporary Issues and Problems in North Carolina (3) (F) (P: NCST 2000; 6 s.h. in NCST; or consent  
of director)

2. Electives (Choose from at least two of the areas listed below) ..... 9 s.h.

No more than 3 s.h. of course work in the student's major field will be acceptable for credit toward the minor.  
Additional courses beyond those listed below will be accepted if they significantly further the student's understanding  
of North Carolina studies; prior approval by the director is required for additional courses.  
ANTH 3005. North American Indians (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
ANTH 3111. North American Archaeology (3) (OY) (GE:SO) (P: ANTH 1000 or 2000 or consent of instructor)  
ANTH 5120. Archaeology of the Southeastern US (3) (P: ANTH 2000 or consent of instructor)  
ANTH 5065. Maritime Anthropology (3) (P: ANTH 2200 or consent of instructor)  
BIOL 3400, 3401. Biological Field Studies of the Coastal Plain (30) (P: 2 Courses in BIOL or GEOL or consent of instructor)  
ENGL 3570. American Folklore (3) (WI) (FS,SS) (GE:HU) (P: ENGL 1200)  
ENGL 5230. Southern Regional Writing (3) (WI) (P: ENGL 1200)  
GEOL 5500. Directed Studies in Geology (2) (P: Senior or graduate standing in GEOL or consent of instructor)  
HIST 3100. North Carolina History (3) (FS) (GE:SO)  
HIST 5140. The Old South (3)  
HIST 5141. The South Since 1877 (3) (WI\*)  
POLS 3244. North Carolina Politics, Government, and Public Policy (3) (F)  
POLS 4321. Contemporary Southern Politics (3) (S)

RELIGIOUS STUDIES

Calvin Mercer, Director, A-440 Brewster Building

Religious studies is a nonsectarian and interdisciplinary program designed to provide students with an understanding of  
religion as historical and cultural phenomena. Courses offered explore religion in its various dimensions – aesthetic,  
anthropological, ethical, historical, literary, philosophical, political, psychological, and sociological. Students interested in obtaining  
a major or double major in religious studies can do so through the multidisciplinary studies program. Interested students  
should contact the director of religious studies for information. The religious studies minor requires **24 s.h.** credit. The  
major adviser should send a potential minor to the director for advising. Requirements for the minor are listed below. A  
maximum of 6 s.h. may be used to satisfy general education requirements and requirements for the religious studies minor.  
No course work in the student's major field of study will be accepted for credit toward the minor. Study-abroad programs  
having the prior approval of the director will be accepted for a maximum 6 s.h. of credit toward the minor. Additional  
courses beyond those listed below will be accepted if they significantly further the student's understanding of religion; prior  
approval by the director is required for additional courses. Departmental prerequisites may be waived in special cases by  
the department offering the course.

1. Core ..... 6 s.h.

RELI 4500. Selected Topics in Religion (3) (F) (P: Consent of instructor or RELI program director)  
RELI 5000. Religious Studies Seminar (3) (P: Consent of instructor or RELI program director)

2. Electives ..... 18 s.h.

Choose a minimum of 9 s.h. from core religion electives and the remaining electives from either list of electives.

Core Religion Electives: (Minimum of 9 s.h.)

ANTH 3009/RELI 3000/WOST 3000. Motherhood of God in Asian Traditions (3) (EY) (GE:SO)  
ANTH 4054. Anthropology of Religion (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
ENGL 3630. The Bible as Literature (3) (WI) (S) (GE:HU) (P: ENGL 1200)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

ENGL 3640. Literature and Religion (3) (WI) (F-OY) (GE:HU)  
 HIST 3412. A History of Christianity to 1300 (3) (GE:SO)  
 HIST 5360. The Reformation, 1450-1598 (3)  
 PHIL 1290. Introduction to Philosophy of Religion (3) (FS) (GE:HU)  
 PHIL 1695. Introduction to the Old Testament (3) (FSS) (GE:HU)  
 PHIL 1696. Introduction to the New Testament (3) (SSS) (GE:HU)  
 PHIL 2690. World Religions (3) (GE:HU)  
 PHIL 3290. Philosophy of Religion (3) (S) (GE:HU) (P: 3 s.h. in PHIL or consent of instructor)  
 PHIL 3690. Women and Religion (3) (GE:HU)  
 PSYC 3314. Psychology of Religion (3) (S) (P: PSYC 1000 or 1060)  
 RELI 2000. Introduction to Religious Studies (3) (GE:HU)  
 RELI 2500. Study Abroad (6) (SS) (GE:HU) (P: Consent of instructor or RELI program director)  
 RELI 3930. Directed Readings in Religious Studies (3) (Consent of director)  
 SOCI 4341. Sociology of Religion (3) (S) (GE:SO) (P: SOCI 2110)

### General Religion Electives:

ANTH 2010. Societies Around the World (3) (FS,SS) (GE:SO)  
 ANTH 3002. Cultures of East Asia (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
 ANTH 3003. Cultures of Africa (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
 ANTH 3004. Cultures of the South Pacific (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
 ART 1906. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)  
 ART 1907. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)  
 ART 2905. Masterpieces and Ideas in the History of Art (3) (GE:FA) (P: Non-art major)  
 ART 2906. West and Central African Art (3) (S) (GE:FA) (P: Non-art major)  
 ART 2910. Ancient Art History (3) (FS) (P: ART 1905 or 1910)  
 ART 2920. Art of the Middle Ages (3) (P: ART 1906, 1907)  
 ART 2930. Italian Baroque Art History (3) (P: ART 1906, 1907)  
 ART 3920. Asian Art (3)  
 ART 3930. Italian Renaissance Art: 1300-1500 (3) (P: ART 1906, 1907)  
 ART 3940. Italian Renaissance Art: 1500-1600 (3) (WI\*) (FS) (P: ART 1906, 1907)  
 ART 3950. Architectural History of the Middle East Before 1600 (3) (GE:FA) (P: Junior standing; ART 1905 or 1910; 1906, 1907; or consent of instructor)  
 ART 3970. African Art (3) (WI) (FS) (P: ART 1906, 1907; or consent of instructor)  
 ART 4900. Northern Renaissance Art History (3) (WI\*) (F) (P: ART 1906, 1907)  
 ART 4910. Northern Baroque Art (3) (WI\*) (P: ART 1906, 1907)  
 ART 4916. Art of India (3) (WI) (P: ART 1906, 1907; or consent of instructor)  
 CLAS 2400. Women in Classical Antiquity (3) (GE:HU)  
 CLAS 3400. The Ancient City: Rome (3) (FS) (GE:HU)  
 CLAS 3460. Classical Mythology (3) (GE:HU)  
 ENGL 3450. Northern European Mythology (3) (WI) (GE:HU) (P: ENGL 1200)  
 ENGL 3460. Classical Mythology (3) (F) (GE:HU) (P: ENGL 1200)  
 ENGL 3620. Oriental Literature (3)  
 ENGL 4010. Medieval Literature (3) (WI) (S-OY) (GE:HU) (P: ENGL 1200)  
 ENGL 4030. Milton (3) (WI) (S-EY) (GE:HU) (P: ENGL 1200)  
 ENGL 4100. Seventeenth Century Literature (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)  
 FORL 2600. Literature in Translation: The Holocaust (3) (S) (GE:HU)  
 GRK 1001. Ancient Greek Level I (3)  
 GRK 1002. Ancient Greek Level II (3) (P: GRK 1001 or consent of instructor)  
 GRK 1003. Ancient Greek Level III (3) (P: GRK 1002 or consent of instructor)  
 GRK 1004. Ancient Greek Level IV (3) (P: GRK 1003 or consent of instructor)  
 HIST 3210. Colonial America to 1763 (3) (WI\*) (GE:SO)  
 HIST 3415. The Middle Ages (3) (GE:SO)



SECTION 7: DEGREES

- HIST 3420. Early Modern Europe to 1648 (3) (GE:SO)
- HIST 3480. English History to 1603 (3) (GE:SO)
- HIST 3610. History of the Far East to 1600 (3) (GE:SO)
- HIST 3670. History of the Middle East (3) (WI) (GE:SO)
- HIST 5230. Themes in African-American History (3)
- HIST 5300. Comparative History of Non-Western Civilizations (3) (WI)
- HIST 5310. Intellectual History of Europe (3)
- HIST 5340. The Ancient Near East (3)
- HIST 5350. The Renaissance in European History (3)
- HIST 5450. Tudor-Stuart England (3)
- LATN 1001. Latin Level I (3)
- LATN 1002. Latin Level II (3) (P: LATN 1001; placement by examination; or consent of instructor)
- LATN 1003. Latin Level III (3) (P: LATN 1002; placement by examination; or consent of instructor)
- LATN 1004. Latin Level IV (3) (P: LATN 1003; placement by examination; or consent of instructor)
- MRST 5000. Medieval and Renaissance Studies Seminar (3) (P: 9 s.h. in MRST or consent of instructor)
- MUSC 5476. African Music (2) (P: Open to area minors and ANTH majors with consent of instructor)
- PHIL 2320. Medieval and Renaissance Philosophy (3) (FS) (GE:HU)
- PHIL 2453. Existentialism and Phenomenology (3) (FS) (GE:HU)
- PHIL 4250. Metaphysics (3) (GE:HU) (P: 6 s.h. in PHIL or consent of instructor)

WOMEN’S STUDIES

Cheryl Dudasik-Wiggs, Co-Director, 2108 Bate Building  
Christa Reiser, Co-Director, A-407 Brewster Building

BA in Women’s Studies

The women’s studies major is an interdisciplinary degree program that includes courses on women and gender offered by the women’s studies program as well as through traditional disciplines and departments. The purpose of women’s studies is to offer a contemporary as well as a historical perspective on women’s contributions to selfhood, family, and society; identify, critically examine, and evaluate the assumptions made about women by tradition; and discover, acquire, and accumulate knowledge about women in order to empower understanding of their lives, their roles, and their humanity. Women’s studies balances traditional Western cultural assumptions with international women’s perspectives, including those of minorities, the disabled, and the economically deprived. The requirements for the major include an introductory women’s studies course; electives chosen from the arts, humanities, natural and social sciences, and professional schools; and a core of women’s studies courses, including a capstone experience of a senior seminar and internship or directed readings. Women’s studies majors are encouraged to combine women’s studies with another major. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) ..... 42 s.h.
- 2. Foreign language through level 1004 ..... 12 s.h.
- 3. Core ..... 12 s.h.
- WOST 2000. Introduction to Women’s Studies: Humanities (3) (F,SS) (GE:HU) or WOST 2200. Introduction to Women’s Studies: Art (3) (GE:FA) or WOST 2400. Introduction to Women’s Studies: Social Sciences (3) (GE:SO)
- WOST 3910, 3920, 3930. Directed Readings in Women’s Studies (1,1,1) (F,SS) (P: WOST 2000 or 2200 or 2400 or consent of director) or WOST 4500. Internship in Women’s Studies (3) (F,SS) (P: Senior standing; WOST 4000; minimum 2.5 GPA or consent of director)
- WOST 4000. Senior Seminar in Women’s Studies (3) (S) (P: WOST 2000 or 2200 or 2400; additional 3 s.h. in WOST; or consent of instructor)
- WOST 4200. Feminist Theory (3) (F) (WI) (P: WOST 2000 or 2200 or 2400; 1 other WOST course accepted for WOST major or minor)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**4. Area of study (Choose one from each area.) ..... 12 s.h.****Cultural Diversity:**

- ANTH 2025. Sexual Behavior from an Anthropological Perspective (3) (F) (GE:SO) (P: Introductory course in ANTH, SOCI, PSYC or consent of instructor)
- ENGL 3260. Black Literature in America (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 4360. World Literature in English (3) (WI) (S-EY) (GE:HU) (P: ENGL 1200)
- ENGL 5360. Studies in African-American Literature (3)
- FORL 2600. Literature in Translation: The Holocaust (3) (S) (GE:HU)
- HIST 3110. History of African-Americans (3) (GE:SO)
- HIST 5230. Themes in African-American History (3)
- SOCI 4345. Racial and Cultural Minorities (3) (F) (GE:SO) (P: ANTH 1000 or SOCI 2110)

**Humanities:**

- ENGL 3300. Women and Literature (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 5330. Study in Women's Literature (3) (WI) (P: ENGL 1200)
- PHIL 3690. Women and Religion (3) (GE:HU)
- RELI 3000. Motherhood of God in Asian Traditions (3) (GE:HU)

**Social Science:**

- ANTH 3200. Women's Roles in Cross-Cultural Perspective (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- COMM 4135. Gender and Communication (3) (F) (P: COMM 1001 or 1002; or WOST 2000 or 2400)
- POLS 3040. Women in Politics (3) (S) (P: POLS 1010 or consent of instructor)
- PSYC 4335. Psychology of Women (3) (S) (GE:SO) (P: PSYC 1000 or 1060)
- PSYC 4350. Psychology of Sexual Behavior (3) (F,S) (P: 6 s.h. in PSYC)
- SOCI 3400. Introduction to Gender and Society (3) (GE:SO) (P: SOCI 2110)
- SOCI 5400. Seminar in Gender Roles (3) (P: SOCI 2110; consent of instructor)

**Women's History:**

- HIST 3140. Women in American History (3) (F,S) (GE:SO)
- HIST 5220. Selected Topics in US Women's History (3)

**5. Electives ..... 12 s.h.**

- ANTH 3009/RELI 3000/WOST 3000. Motherhood of God in Asian Traditions (3) (EY) (GE:SO) (RELI 3000 GE:HU)
- ANTH 3200. Women's Roles in Cross-Cultural Perspective (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- CDFR 5300. Families, Sexuality, and Gender Roles (3)
- CLAS 2400. Women in Classical Antiquity (3) (GE:HU)
- COMM 4035. Gender and Communication (3) (F) (P: COMM 2001 or WOST 2000 or 2400)
- ENGL 3300. Women and Literature (3) (WI) (GE:HU) (P: ENGL 1200)
- ENGL 5330. Studies in Women's Literature (3) (WI) (P: ENGL 1200)
- FORL 3660. Hispanic Women Writers (3) (GE:HU)
- GEOG 4320. Gender, Economy, and Development (3) (S) (P: Consent of instructor)
- HIST 3140. Women in American History (3) (F,S) (GE:SO)
- HIST 5220. Selected Topics in US Women's History (3)
- HLTH 3020. Health Problems II (3) (S) (P: HLTH 3010 or consent of instructor)
- HLTH 5002. Maternal and Child Health Education (3) (P: HLTH 3010 or consent of instructor)
- HLTH 5310. Education for Human Sexuality (3) (P: Health education major or consent of instructor)
- NURS 5327. Women's Health (3)
- PHIL 3690. Women and Religion (3) (GE:HU)
- POLS 3040. Women in Politics (3) (S) (P: POLS 1010 or consent of instructor)
- POLS 3041. Women and Public Policy (3) (GE:SC) (P: POLS 1010 or consent of instructor)
- PSYC 4335. Psychology of Women (3) (S) (GE:SO) (P: PSYC 1000 or 1060)
- PSYC 4350. Psychology of Sexual Behavior (3) (F,S) (P: 6 s.h. in PSYC)
- SOCI 3400. Introduction to Gender and Society (3) (GE:SO) (P: SOCI 2110)

## SECTION 7: DEGREES

SOCI 5400. Seminar in Gender Roles (3) (P: SOCI 2110; consent of instructor)

SOCW 5007. Women as Clients (3)

SPAN 5550. Hispanic Women Writers (3) (P: Consent of dept chair)

WOST 3500. Selected Topics in Womens Studies: Social Sciences (3) (GE:SO) (P: WOST 2000 or 2200 or 2400 or consent of instructor)

WOST 3510. Selected Topics in Womens Studies: Humanities (3) (GE:HU) (P: WOST 2000 or 2200 or 2400 or consent of program director)

WOST 3520. Selected Topics in Womens Studies: Fine Arts (3) (GE:FA) (P: WOST 2000 or 2200 or 2400 or consent of program director)

WOST 3910, 3920, 3930. Directed Readings in Womens Studies (1,1,1) (F,S,SS) (P: WOST 2000 or 2200 or 2400 or consent of director)

WOST 4500. Internship in Womens Studies (3) (F,S,SS) (P: Senior standing; WOST 4000; minimum 2.5 GPA or consent of director)

WOST 5000. Advanced Seminar in Womens Studies (3) (P: Consent of instructor)

Selected topics and honors seminars as approved by the Womens Studies Executive Committee

- 6. Second major or minor and general electives to complete requirements for graduation.** Each course taken for the major can only be used to satisfy one requirement of the major. For students electing womens studies as part of a double major, the director may give consent that a maximum of 6 s.h. of the womens studies major be waived or double counted.

### Women's Studies Minor

The minor in womens studies is an interdisciplinary academic program with courses designed to complement and enrich students' work in their major fields. To ensure flexibility in each student's **24 s.h.** program and thus assure the possibility of coordinating with the major, the womens studies minor comprises a 6 s.h. core, which includes a course that introduces the student to the discipline and a senior seminar which helps the student synthesize what she or he has learned, and 18 s.h. of electives. A course may not count toward the student's major degree and the womens studies minor.

#### 1. Core ..... 6 s.h.

WOST 2000. Introduction to Womens Studies: Humanities (3) (F,S,SS) (GE:HU) or WOST 2200. Introduction to

Womens Studies: Arts (3) (GE:FA) or WOST 2400. Introduction to Womens Studies: Social Sciences (3) (GE:SO)

WOST 4000. Senior Seminar in Womens Studies (3) (S) (P: WOST 2000 or 2200 or 2400; additional 3 s.h. in WOST; or consent of instructor)

#### 2. Electives ..... 18 s.h.

ANTH 3009/RELI 3000/WOST 3000. Motherhood of God in Asian Traditions (3) (EY) (GE:SO) (RELI 3000 GE:HU)

ANTH 3200. Womens Roles in Cross-Cultural Perspective (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

CDFR 5300. Families, Sexuality, and Gender Roles (3)

CLAS 2400. Women in Classical Antiquity (3) (GE:HU)

COMM 4135. Gender and Communication (3) (F) (P: COMM 1001 or 1002; or WOST 2000 or 2400)

ENGL 3300. Women and Literature (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)

ENGL 5330. Studies in Womens Literature (3) (WI) (P: ENGL 1200)

FORL 3660. Hispanic Women Writers (3) (GE:HU)

GEOG 4320. Gender, Economy, and Development (3) (S) (P: Consent of instructor)

HIST 3140. Women in American History (3) (F,S) (GE:HU)

HIST 5220. Selected Topics in US Womens History (3)

HLTH 3020. Health Problems II (3) (S) (P: HLTH 3010 or consent of instructor)

HLTH 5002. Maternal and Child Health Education (3) (P: HLTH 3010 or consent of instructor)

HLTH 5310. Education for Human Sexuality (3) (P: Health education major or consent of instructor)

NURS 5327. Womens Health (3)

PHIL 3690. Women and Religion (3) (GE:HU)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.

Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

- POLS 3040. Women in Politics (3) (S) (P: POLS 1010 or consent of instructor)
- POLS 3041. Women and Public Policy (3) (GE:SC) (P: POLS 1010 or consent of instructor)
- PSYC 4335. Psychology of Women (3) (S) (GE:SO)
- PSYC 4350. Psychology of Sexual Behavior (3) (FS) (P: 6 s.h. in PSYC)
- SOCI 3400. Introduction to Gender and Society (3) (GE:SO) (P: SOCI 2110)
- SOCI 5400. Seminar in Gender Roles (3) (P: SOCI 2110; consent of instructor)
- SOCW 5007. Women as Clients (3)
- SPAN 5550. Hispanic Women Writers (3) (P: Consent of dept chair)
- WOST 3500. Selected Topics in Womens Studies: Social Sciences (3) (GE:SO) (P: WOST 2000 or 2200 or 2400 or consent of instructor)
- WOST 3510. Selected Topics in Womens Studies: Humanities (3) (GE:HU) (P: WOST 2000 or 2200 or 2400 or consent of program director)
- WOST 3520. Selected Topics in Womens Studies: Fine Arts (3) (GE:FA) (P: WOST 2000 or 2200 or 2400 or consent of program director)
- WOST 3910, 3920, 3930. Directed Readings in Womens Studies (1,1,1) (F,S,SS) (P: WOST 2000 or 2200 or 2400 or consent of director)
- WOST 4200. Feminist Theory (3) (F) (WI) (P: WOST 2000 or 2200 or 2400; 1 other WOST course accepted for WOST major or minor)
- WOST 4500. Internship in Womens Studies (3) (F,S,SS) (P: Senior standing; WOST 4000; minimum 2.5 GPA or consent of director)
- WOST 5000. Advanced Seminar in Womens Studies (3) (P: Consent of instructor)
- Selected topics and honors seminars as approved by the Womens Studies Executive Committee
- May choose only one elective from:
- ANTH 2025. Sexual Behavior from an Anthropological Perspective (3) (F) (GE:SO) (P: Introductory course in ANTH, SOCI, PSYC or consent of instructor)
- ENGL 3260. Black Literature in America (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 4360. World Literature in English (3) (WI) (S-EY) (GE:HU) (P: ENGL 1200)
- ENGL 5360. Studies in African-American Literature (3)
- FORL 2600. Literature in Translation: The Holocaust (3) (S) (GE:HU)
- HIST 3110. History of African-Americans (3) (GE:SO)
- HIST 5230. Themes in African-American History (3)
- SOCI 4345. Racial and Cultural Minorities (3) (F) (GE:SO) (P: ANTH 1000 or SOCI 2110)

# COLLEGE OF ARTS AND SCIENCES DEPARTMENTS

## DEPARTMENT OF ANTHROPOLOGY

Linda Wolfe, Chairperson, A-215 Brewster Building

### BA in Anthropology

Minimum degree requirement is **126 s.h.** of credit as follows:

1. **General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.)** ..... **42 s.h.**
2. **Foreign language through level 1004** ..... **12 s.h.**
3. **Core** ..... **16-17 s.h.**

ANTH 2000. Archaeology Around the World (3) (F,S) (GE:SO)

ANTH 2010. Societies Around the World (3) (F,S,SS) (GE:SO) or ANTH 2200. Introduction to Cultural Anthropology (3) (F,S)

ANTH 2015. Introduction to Biological Anthropology (3) (WI\*) (F,S) (GE:SC) (RP: BIOL course)

ANTH 2016. Biological Anthropology Laboratory (1) (F,S) (GE:SC) (C: ANTH 2015)

ANTH 3050. Ethnographic Field Methods (3) (S) (P: ANTH 1000 or consent of instructor) or ANTH 3077.

Archaeological Methods (3) (S) (P: ANTH 2000 or consent of instructor) or ANTH 4400, 4401. Human Skeletal Analysis (4,0) (GE:SO) (P: ANTH 2015, 2016 or consent of instructor)

ANTH 4025. Theory in Anthropology (3) (WI) (F) (P: ANTH 1000 or consent of instructor; RP: ANTH 3050 or 3077 or 4400, 4401)

4. **Subfields (Choose one in each subfield above 2999.)** ..... **9 s.h.**  
**Archaeology:**

ANTH 2000. Archaeology Around the World (3) (F,S) (GE:SO)

ANTH 3011. Hunter-Gatherer Lifeways (3) (S) (P: ANTH 1000 or 2000 or 2005 or 2010 or 2200 or consent of instructor)

ANTH 3111. North American Archaeology (3) (OY) (GE:SO) (P: ANTH 1000 or 2000 or consent of instructor)

ANTH 3115. Caribbean Archaeology (3) (F) (P: ANTH 2000 or consent of instructor)

ANTH 3175. Archaeological Field Training (6) (SS) (P: ANTH 3077 or equivalent)

ANTH 5120. Archaeology of the Southeastern US (3) (P: ANTH 2000 or consent of instructor)

ANTH 5125. Historical Archaeology (3) (P: ANTH 2000 or consent of instructor)

#### **Biological Anthropology:**

ANTH 2015. Introduction to Biological Anthropology (3) (WI\*) (F,S) (GE:SC) (RP: A BIOL course)

ANTH 2016. Biological Anthropology Laboratory (1) (F,S) (GE:SC) (C: ANTH 2015)

ANTH 3020. Primate Behavior and Social Organization (3) (GE:SO) (P: ANTH 2015, 2016; or consent of instructor)

ANTH 3027. Human Health and Disease Ecology (3) (GE:SO) (P: ANTH 2015, 2016; or consent of instructor)

ANTH 4225. Human Evolution (3) (GE:SO) (P: ANTH 2015, 2016; or consent of instructor)

#### **Cultural Anthropology:**

ANTH 2005. Environmental Anthropology (3) (S) (GE:SO)

ANTH 2010. Societies Around the World (3) (F,S,SS) (GE:SO)

ANTH 2200. Introduction to Cultural Anthropology (3) (F,S) (GE:SO)

ANTH 3002. Cultures of East Asia (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3003. Cultures of Africa (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3004. Cultures of the South Pacific (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3005. North American Indians (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3009. Motherhood of God in Asian Traditions (3) (EY) (GE:SO)

ANTH 3016. Cultures of the Caribbean (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

- ANTH 3018. Cultures of South and Central America (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3200. Womens Roles in Cross-Cultural Perspective (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3252. Medical Anthropology (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 4050. Psychological Anthropology (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 4054. Anthropology of Religion (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 4253. Social Anthropology (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 4260. Cultural Ecology (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 5030. Economic Anthropology (3) (P: ANTH 2200 or consent of instructor)
- ANTH 5065. Maritime Anthropology (3) (P: ANTH 2200 or consent of instructor)

**5. ANTH electives ..... 6 s.h.**  
(ANTH 5010, 5175 may not count as ANTH electives.)

**6. Minor and general electives to complete requirements for graduation.**

### Anthropology Minor

The minor in anthropology requires **24 s.h.** of credit as follows:

- 1. Core ..... 12 s.h.**  
ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (GE:SO)  
Minimum of one course from each of the anthropology subfields listed in the BA degree, 4., above.
- 2. ANTH electives ..... 12 s.h.**

### Anthropology Honors

A student wishing to enter the honors program in anthropology must be a junior majoring in anthropology, have a minimum cumulative 3.0 GPA and a minimum 3.5 GPA in anthropology, and have completed a minimum of 20 s.h. in anthropology. (Exception may be made at the discretion of the dept chair.) A student in the honors program shall enroll, as part of his or her regular curriculum, in ANTH 4550 during the second semester of the junior year and ANTH 4451 in the senior year. Each honors student will carry out an extensive program of carefully supervised reading and research in one of the areas of anthropology.

## DEPARTMENT OF BIOLOGY

*Ronald J. Newton, Chairperson, BN-108 Howell Science Complex*

*Charles A. Singhas, Director of Undergraduate Studies, BN-108C Howell Science Complex*

### Core Curriculum

The core curriculum in biology is intended to give all biology majors a background in molecular biology, diversity, environmental biology, and genetics. BIOL 1100, 1200, 2250, 2251, 2300 constitute the core curriculum. A choice of electives permits a student to pursue in depth an area or areas of particular interest. A maximum of 6 s.h. of credit in BIOL 3550, 4504, 4514, 4550, 5995 may be counted for credit toward a BS in biology or a BSB (biochemistry). Lecture courses having laboratory components that carry independent credit may or may not be required as corequisites. (See appropriate catalog descriptions.) Laboratory components carrying no credit are corequisites. Minimum degree requirement is **126 s.h.** of credit.

### BS in Biology

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
- CHEM 1150, 1151. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)
- CHEM 1160, 1161. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
- MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
(GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
(GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

### 2. Core ..... 15 s.h.

BIOL 1100, 1101. Principles of Biology I (4,0) (F,S,SS) (GE:SC)  
BIOL 1200, 1201. Principles of Biology II (4,0) (F,S,SS) (GE:SC)  
BIOL 2250. Ecology (3) (F,S,SS) (P: BIOL 1100, 1101, 1200, 1201)  
BIOL 2251. Ecology Laboratory (1) (F,S,SS) (P: BIOL 1100, 1101, 1200, 1201; C: BIOL 2250)  
BIOL 2300. Principles of Genetics (3) (F,S,SS) (P: 2 BIOL courses)

### 3. Recommended electives ..... 25 s.h.

The following elective areas are recommended to guide students in choosing biology electives consistent with their academic goals. Students may concentrate in one of the specified areas, below, or choose a more general course of study. (BIOL 3550, 4504, 4514, 4550, 5995 may be repeated only once. A maximum of 6 s.h. may be used toward biology electives.)

#### Ecology/Environmental Biology:

Choose one from:

BIOL 3310, 3311. Cellular Physiology (4,0) (F,S,SS) (P: 1 organic CHEM or biochemistry course)  
BIOL 3320. Principles of Animal Physiology (3) (F,S,SS) (P: 2000-level organic CHEM or biochemistry course)  
BIOL 3321. Principles of Animal Physiology Laboratory (1) (C: BIOL 3320)

Choose one from:

BIOL 4200, 4201. Population and Community Ecology (4,0) (4200:WI) (S) (P: BIOL 2250, 2251, 2300; CHEM 1150, 1151; RP: CHEM 1160, 1161; MATH 2121 or one statistics course)  
BIOL 4300, 4301. Ecosystem Ecology (4,0) (WI) (F) (P: BIOL 2250, 2251)

Choose one from:

BIOL 3070, 3071. Survey of Plants and Fungi (4,0) (P: 3 s.h. of science with a lab)  
BIOL 3230, 3231. Field Botany (4,0) (F,S,SS) (P: 3 s.h. of general biology with a lab)  
BIOL 5230, 5231. Phycology (4,0) (P: BIOL 1200, 1201)

Choose one from:

BIOL 3240, 3241. Field Zoology (4,0) (F) (P: BIOL 1060 or 2250)  
BIOL 5070, 5071. Ornithology (4,0) (P: 8 s.h. in BIOL)  
BIOL 5150, 5151. Herpetology (4,0) (P: 8 s.h. in BIOL)  
BIOL 5200, 5201. Invertebrate Zoology (4,0) (P: 6 s.h. in BIOL)  
BIOL 5550, 5551. Ichthyology (4,0)  
BIOL 5640, 5641. Entomology (4,0) (P: 12 s.h. in BIOL)

Choose electives from:

BIOL 3660. Introduction to Marine Biology (3) (F,S,SS) (P/C: BIOL 2250, 2251)  
BIOL 3661. Introduction to Marine Biology Laboratory (1) (FS) (C: BIOL 3660)  
BIOL 5220, 5221. Limnology (4,0) (P: BIOL 2250, 2251; or consent of instructor)  
BIOL 5260, 5261. Microbial Ecology (4,0) (P: BIOL 2250, 2251, 3220, 3221; or consent of instructor)  
BIOL 5270. Marine Community Ecology (3) (P: BIOL 2250, 2251; or consent of instructor)  
BIOL 5351. Biological Processes and the Chemistry of Natural Water (2) (P: BIOL 2250, 2251; 2 CHEM courses; or consent of instructor)  
BIOL 5730, 5731. Animal Physiological Ecology (4,0) (P: BIOL 2250, 2251; 3310, 3311 or 3320, 3321 or 5800; or consent of instructor)

#### Marine Biology:

BIOL 3660. Introduction to Marine Biology (3) (F,S,SS) (P/C: BIOL 2250, 2251)  
BIOL 3661. Introduction to Marine Biology Laboratory (1) (FS) (C: BIOL 3660)  
BIOL 5200, 5201. Invertebrate Zoology (4,0) (P: 6 s.h. in BIOL)  
BIOL 5270. Marine Community Ecology (3) (P: BIOL 2250, 2251; or consent of instructor)  
BIOL 5550, 5551. Ichthyology (4,0)  
BIOL 5600, 5601. Fisheries Techniques (3,0) (P: BIOL 2250, 2251; or equivalent)  
BIOL 5680. Current Topics in Coastal Biology (2) (P: Consent of instructor)  
GEOL 1550. Oceanography (4) (S) (GE:SC)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

Choose a minimum of 5 s.h. from:

BIOL 5220, 5221. Limnology (4,0) (P: BIOL 2250, 2251; or consent of instructor)

BIOL 5230, 5231. Phycology (4,0) (P: BIOL 1200, 1201)

BIOL 5351. Biological Processes and the Chemistry of Natural Water (2) (P: BIOL 2250, 2251; 2 CHEM courses; or consent of instructor)

GEOL 5300. Geology of Coastal Processes and Environments (3) (P: GEOL 1550, 4010, 4011; or consent of instructor)

### **Microbiology:**

BIOL 2250, 2251. Ecology and Ecology Laboratory (31) (F,S,SS) or BIOL 5260, 5261. Microbial Ecology (4,0) (P: BIOL 2250, 2251, 3220, 3221; or consent of instructor)

BIOL 3100, 3101. Basic Laboratory Methods for Biotechnology (30) (F,SS) (P: BIOL 2300; CHEM 1160, 1161)

BIOL 3220, 3221. Microbiology (4,0) (F) (P: BIOL 1200, 1201; 1 organic CHEM course)

BIOL 5190. Immunology (3) (P: BIOL 2300, 3220, 3221)

BIOL 5800. Principles of Biochemistry I (3) (P: CHEM 2760, 2763) or BIOL 5810. Principles of Biochemistry II (3) (F,S) (P: CHEM 2760, 2763)

BIOL 5821. Principles of Biochemistry Laboratory (1) (P/C: BIOL 5800 or 5810)

BIOL 5870. Molecular Genetics (3) (P: BIOL 2300; RP: BIOL 3220, 3221, 5810)

Choose electives from:

BIOL 4504, 4514. Research Problems in Biology (2,2) (VI, VI) (F,S,SS) (P: Consent of instructor)

BIOL 5890. Virology (3) (P: BIOL 3220, 3221; or consent of instructor)

### **Molecular Biology and Biotechnology:**

BIOL 3100, 3101. Basic Laboratory Methods for Biotechnology (30) (F,SS) (P: BIOL 2300; CHEM 1160, 1161)

BIOL 3220, 3221. Microbiology (4,0) (F) (P: BIOL 1200, 1201; 1 organic CHEM course)

BIOL 5800, 5810. Principles of Biochemistry I, II (3,3) (P: CHEM 2760, 2763)

BIOL 5821. Principles of Biochemistry Laboratory (1) (P/C: BIOL 5800 or 5810)

(BIOL 3310, 3311 may be substituted for BIOL 5800, 5810, 5821 by students who do not intend to seek advanced degrees.)

Choose electives from:

BIOL 4504, 4514. Research Problems in Biology (2,2) (VI, VI) (F,S,SS) (P: Consent of instructor)

BIOL 5190. Immunology (3) (P: BIOL 2300, 3220, 3221)

BIOL 5260, 5261. Microbial Ecology (4,0) (P: BIOL 2250, 2251, 3220, 3221; or consent of instructor)

BIOL 5510, 5511. Transmission Electron Microscopy (4) (P: Senior standing as a BIOL major or consent of instructor)

BIOL 5520, 5521. Scanning Electron Microscopy and X-Ray Analysis (2,0) (P: Senior standing as a BIOL major or consent of instructor)

BIOL 5870. Molecular Genetics (3) (P: BIOL 2300; RP: BIOL 3220, 3221, 5810)

BIOL 5890. Virology (3) (P: BIOL 3220, 3221; or consent of instructor)

BIOL 5900, 5901. Biotechniques and Laboratory (2,3) (P: BIOL 3100, 3101, 5870; consent; RP: BIOL 5810)

BIOL 5930, 5931. Microcomputer Applications in Molecular Biology (2,0) (P: BIOL 3310, 3311; or 5810 or 5870)

### **Physiology, Anatomy, and Cell Biology:**

Choose three from:

BIOL 3220, 3221. Microbiology (4,0) (F) (P: BIOL 1200, 1201; 1 organic CHEM course)

BIOL 4060, 4061. Embryology (4,0) (P: BIOL 2300)

BIOL 4480, 4481. Cytology (2,2) (P: BIOL 1100, 2300, 3310)

BIOL 5190. Immunology (3) (P: BIOL 2300, 3220, 3221)

BIOL 5450, 5451. Histology (4,0) (P: 4 BIOL courses)

BIOL 5870. Molecular Genetics (3) (P: BIOL 2300; RP: BIOL 3220, 3221, 5810)

Choose a minimum of two from:

BIOL 3310, 3311. Cellular Physiology (4,0) (F,S,SS) (P: 1 organic CHEM or biochemistry course)

BIOL 3320. Principles of Animal Physiology (3) (F,S,SS) (P: 2000-level organic CHEM or biochemistry course)

BIOL 3321. Principles of Animal Physiology Laboratory (1) (F,S,SS) (C: BIOL 3320)

BIOL 4050, 4051. Comparative Anatomy (4,0) (F) (P: 6 s.h. in BIOL)

Biology electives



## SECTION 7: DEGREES

### 4. Cognates..... 22 s.h.

CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161; C: CHEM 2753)  
CHEM 2753. Organic Chemistry Laboratory I (1) (F,S,SS) (C: CHEM 2750)  
CHEM 2760. Organic Chemistry II (3) (F,S,SS) (P: CHEM 2750; C: CHEM 2763)  
CHEM 2763. Organic Chemistry Laboratory II (1) (F,S,SS) (P: CHEM 2750, 2753; C: CHEM 2760)  
MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (GE:MA) (P: MATH 1065 or 1077 with a minimum grade of C)  
MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121)  
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)  
PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2260)

### 5. Research skills (Choose one area.) ..... 8-9 s.h.

Students contemplating graduate school should consider admission requirements before selecting a research skills area.

a. Foreign language through level 1003.

b. Quantitative and Communication Skills (1 course each in scientific writing, statistics, and computer programming.)

Recommended courses:

ENGL 3820. Scientific Writing (3) (WI) (F,S,SS) (P: ENGL 1200) or ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200) or a course in scientific writing

MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent)

DSCI 2223. Introduction to Computers (3) (F,S,SS) or CSCI 2510. Introduction to Computer Science I (3) (F,S,SS) (P: MATH 1065 or 1066) or ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)

c. Relevant cognate area—courses chosen to meet this requirement must be planned through consultation with a faculty adviser and approved in advance by the dept chair and the dept director of undergraduate studies.

d. Recommended for microbiology and molecular biology/biotechnology:

CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI, WI) (F,S) (P: CHEM 1160, 1161; 1 organic CHEM course)

DSCI 2223. Introduction to Computers (3) (F,S,SS) or CSCI 2510. Introduction to Computer Science I (3) (F,S,SS) (P: MATH 1065 or 1066) or ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)

### 6. Electives to complete requirements for graduation.

#### BS in Biochemistry

Minimum degree requirement is **126 s.h.** of credit as follows:

### 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)

CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

### 2. Core ..... 45 s.h.

#### Biology:

BIOL 1100, 1101. Principles of Biology I (4,0) (F,S,SS) (GE:SC)

BIOL 1200, 1201. Principles of Biology II (4,0) (F,S,SS) (GE:SC)

BIOL 2300. Principles of Genetics (3) (F,S,SS) (P: 2 BIOL courses)

BIOL 3310, 3311. Cellular Physiology (4,0) (F,S,SS) (P: Organic CHEM or biochemistry course)

BIOL 5800, 5810. Principles of Biochemistry I, II (3,3) (P: CHEM 2760, 2763)

BIOL 5821. Principles of Biochemistry Laboratory I (1) (P/C: BIOL 5800 or 5810)

#### Chemistry:

CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI, WI) (F,S) (P: CHEM 1160, 1161; one organic CHEM course)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161; C: CHEM 2753)  
 CHEM 2753. Organic Chemistry Laboratory I (1) (F,S,SS) (C: CHEM 2750)  
 CHEM 2760. Organic Chemistry II (3) (F,S,SS) (P: CHEM 2750; C: CHEM 2763)  
 CHEM 2763. Organic Chemistry Laboratory II (1) (F,S,SS) (P: CHEM 2750, 2753; C: CHEM 2760)  
 CHEM 3950, 3951. Physical Chemistry and Laboratory I (4,1) (WI, WI) (S) (P: PHYS 1261, 2360; MATH 2173; CHEM 2250, 2251)  
 CHEM 3960, 3961. Physical Chemistry and Laboratory II (4,1) (WI, WI) (F) (P: CHEM 3950, 3951)

**3. Cognates..... 25-27 s.h.**

MATH 1083. Introduction to Functions (3) (F, S,SS) (GE:MA) (P: Consent of dept chair) or MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C)  
 MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (GE:MA) (P for 2171: MATH 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2122 with a minimum grade of C or MATH 2171; P for 2173: MATH 2172)  
 PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2260)  
 PHYS 2350, 2360. University Physics (4,4) (F,S,SS) (GE:SC) (P: MATH 1085; C: MATH 2121 or 2171)

**4. Electives (Choose from the following.) ..... 6 s.h.**

BIOL 3100, 3101. Basic Laboratory Methods for Biotechnology (3,0) (F,SS) (P: BIOL 2300; CHEM 1160, 1161)  
 BIOL 3220, 3221. Microbiology (4,0) (F) (P: BIOL 1200, 1201; 1 organic CHEM course)  
 BIOL 5510, 5511. Transmission Electron Microscopy (4) (P: Senior standing as a BIOL major or consent of instructor)  
 BIOL 5520, 5521. Scanning Electron Microscopy and X-Ray Analysis (2,0) (P: Senior standing as a BIOL major or consent of instructor)  
 BIOL 5870. Molecular Genetics (3) (P: BIOL 2300; RP: BIOL 3220, 3221, 5810)  
 BIOL 5900, 5901. Biotechniques and Laboratory (2,3) (P: BIOL 3100, 3101, 5870; consent; RP: BIOL 5810)  
 MATH 4331. Introduction to Ordinary Differential Equations (3) (F,S) (P: MATH 2173)

**5. Electives to complete requirements for graduation.**

### Biology Minor

Minimum requirement for biology minor is **24 s.h.** of credit as follows:

**1. Core ..... 15 s.h.**

BIOL 1100, 1101. Principles of Biology I (4,0) (F,S,SS) (GE:SC)  
 BIOL 1200, 1201. Principles of Biology II (4,0) (F,S,SS) (GE:SC)  
 BIOL 2250, 2251. Ecology and Ecology Laboratory (3,1) (F,S,SS)  
 BIOL 2300. Principles of Genetics (3) (F,S,SS) (P: 2 BIOL courses)

**2. BIOL electives ..... 9 s.h.**

Minor programs consisting of course sequences in particular areas that include a minimum of 24 s.h. can be arranged with the approval of the biology undergraduate curriculum committee.

### Biology Honors Program

Biology majors who maintain a minimum GPA of 3.5 may participate in the department's honors program. This program is designed for exceptional students wishing to use their creative abilities to pursue indepth inquiries (research, co-teaching, field work, internships, etc.) into the biological sciences, the topic of inquiry being determined by the student in consultation with a faculty mentor/sponsor. Participation in the program is by mutual agreement between the student and the faculty mentor and requires enrollment in a minimum of 6 s.h. of credit selected from BIOL 3550, 4550, 4504, 4514, 5995. While grades will be awarded independently for each research/honors course in which the student enrolls, graduation with honors requires the student to submit the final product of activity for critical review by the departmental honors review board. (Students should note that no more than 6 s.h. of credit in honors or research courses may be counted for biology elective credit.)

## DEPARTMENT OF CHEMISTRY

*Chia-yu Li, Chairperson, 205 Flanagan Building*

## Admission Requirements

Students enrolled at East Carolina University or transferring from other institutions who have a minimum 2.0 GPA and a minimum grade of C in CHEM 1150, 1151, 1160, 1161 and MATH 1065 may apply for admission as chemistry majors. Students who hold a baccalaureate degree qualify for admission to the chemistry degree program if they have completed comparable courses as described above with a minimum grade of C as part of their first degree.

## BA in Chemistry

The BA program provides a flexible major designed to provide the student with a broad education in chemistry appropriate for further study in a wide range of fields, such as business, medicine, pharmacy, and law as well as careers dependent on a basic knowledge in chemistry. It is different than the BS degree in the required chemistry, math, and physics courses. Any of the required major courses or cognates, however, may be replaced by courses that cover the same topics at a more advanced level. For example, CHEM 3950, 3960 may be taken instead of CHEM 3850. It is the student's responsibility to ensure that the prerequisites for such courses have been met. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)  
 PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2360)
- 2. Foreign language through level 1004 ..... 12 s.h.**
- 3. Core ..... 30 s.h.**  
 CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)  
 CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)  
 CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI, WI) (FS) (P: CHEM 1160, 1161; one organic CHEM course)  
 CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161; C: CHEM 2753)  
 CHEM 2753. Organic Chemistry Laboratory I (1) (F,S,SS) (C: CHEM 2750)  
 CHEM 2760. Organic Chemistry II (3) (F,S,SS) (P: CHEM 2750; C: CHEM 2763)  
 CHEM 2763. Organic Chemistry Laboratory II (1) (F,S,SS) (P: CHEM 2750, 2753; C: CHEM 2760)  
 CHEM 3450, 3451. Elementary Inorganic Chemistry and Laboratory (3,1) (WI, WI) (S) (P: CHEM 2250, 2251)  
 CHEM 3850, 3851. Introduction to Physical Chemistry (4,1) (WI, WI) (F) (P: CHEM 1160, 1161; MATH 2122 or 2172; PHYS 1260, 1261)
- 4. Cognates ..... 6-13 s.h.**  
 MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (GE:MA) (P: MATH 1065 or 1077 with a minimum grade of C) and MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121) or MATH 1083. Introduction to Functions (3) (F,S,SS) (GE:MA) (P: Consent of dept chair) or MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C) and MATH 2171, 2172. Calculus I, II (4,4) (F,S,SS) (GE:MA) (P for 2171: MATH 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2122 with a minimum grade of C or MATH 2171)
- 5. Electives to complete requirements for graduation.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

## BS in Chemistry

The BS degree in chemistry is the appropriate program for students considering advanced degree programs in chemistry, biochemistry, and other related fields or a professional career in chemistry. Graduates of this program meet certification requirements of the American Chemical Society. Students are strongly encouraged to pursue undergraduate research with a faculty member. Up to 6 s.h. of undergraduate research may be applied toward degree requirements. Information regarding undergraduate research may be obtained from the director of Undergraduate Studies. Students completing the BS degree are encouraged to consider some of the following courses as electives: COMM 2410 or COMM 2420; ITEC 3290 or ENGL 3820; MATH 2228, 3256, 4331; CHEM 4515, 4516, 4517; advanced 5000-level courses in chemistry; and BIOL 5800 or 5810. Minimum degree requirement is **126 s.h.** of credit as follows:

**1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2260)

PHYS 2350, 2360. University Physics (4,4) (F,S,SS) (GE:SC) (C for 2350: C: MATH 2121 or 2171; P for 2360: PHYS 2350)

**2. Core ..... 46 s.h.**

CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)

CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)

CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (VI, VI) (F,S) (P: CHEM 1160, 1161; one organic CHEM course)

CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161; C: CHEM 2753)

CHEM 2753. Organic Chemistry Laboratory I (1) (F,S,SS) (C: CHEM 2750)

CHEM 2760. Organic Chemistry II (3) (F,S,SS) (P: CHEM 2750; C: CHEM 2763)

CHEM 2763. Organic Chemistry Laboratory II (1) (F,S,SS) (P: CHEM 2750, 2753; C: CHEM 2760)

CHEM 2770. Biological Chemistry (3) (F,S) (GE:SC) (P: CHEM 2650 or 2760)

CHEM 3450, 3451. Elementary Inorganic Chemistry and Laboratory (3,1) (VI, VI) (S) (P: CHEM 2250, 2251)

CHEM 3950, 3951. Physical Chemistry and Laboratory I (4,1) (VI, VI) (S) (P: PHYS 1261, 2360; MATH 2173; CHEM 2250, 2251)

CHEM 3960, 3961. Physical Chemistry and Laboratory II (4,1) (VI, VI) (F) (P: CHEM 3950, 3951)

CHEM 4103. Seminar (1) (F,S) (P: Junior or senior standing)

CHEM 5350, 5351. Instrumental Analysis (3,1) (VI, VI) (P: CHEM 3960)

CHEM 5550. Advanced Inorganic Chemistry (3) (P: CHEM 3450, 3950)

**3. Elective labs ..... 2 s.h.**

Choose a minimum of 2 s.h. from:

BIOL 5821. Principles of Biochemistry Laboratory (1) (F,S) (P/C: BIOL 5800 or 5810)

CHEM 2111. Applications of Molecular Modeling (1) (F,S) (GE:SC) (P/C: CHEM 2750)

CHEM 2771. Biological Chemistry Laboratory (1) (F,S) (GE:SC) (C: CHEM 2770)

CHEM 4515, 4516, 4517. Research Problems in Chemistry (1,2,3) (F,S,SS) (P: Consent of instructor)

**4. Cognates ..... 15-17 s.h.**

MATH 1083. Introduction to Functions (3) (F,S,SS) (GE:MA) (P: Consent of dept chair) or MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C)

MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (GE:MA) (P for 2171: MATH 1083 or 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2122 with a minimum grade of C or MATH 2171; P for 2173: MATH 2172)

**5. Electives to complete requirements for graduation.**

## SECTION 7: DEGREES

### Chemistry Minor

Minimum requirement for the chemistry minor is **25-26 s.h.** of credit as follows:

**Core ..... 25-26 s.h.**

- CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)
- CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
- CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI,WI) (FS) (P: CHEM 1160, 1161; 1 organic CHEM course)
- CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161; C: CHEM 2753)
- CHEM 2753. Organic Chemistry Laboratory I (1) (F,S,SS) (C: CHEM 2750)
- CHEM 2760. Organic Chemistry II (3) (F,S,SS) (P: CHEM 2750; C: CHEM 2763)
- CHEM 2763. Organic Chemistry Laboratory II (1) (F,S,SS) (P: CHEM 2750, 2753; C: CHEM 2760)
- CHEM 3450, 3451. Elementary Inorganic Chemistry and Laboratory (3,1) (WI,WI) (S) (P: CHEM 2250, 2251) or CHEM 3850, 3851. Introduction to Physical Chemistry (4,1) (WI,WI) (F) (P: CHEM 1160, 1161; MATH 2122 or 2172; PHYS 1260, 1261)

### Chemistry Honors Program

The Department of Chemistry Honors Program provides an opportunity for outstanding chemistry majors to do intensive study and research in areas of special interest. A student desiring to enter the honors program must be a junior or senior majoring in chemistry and possess a minimum GPA of 3.2 in all courses taken at East Carolina University as well as in all chemistry and cognate courses. Before participating in the honors program, students must notify the director of undergraduate studies in chemistry and select a project supervisor from the chemistry faculty. Program participants are expected to select a topic of mutual interest to both the student and project supervisor, research the topic through the scientific literature, and then conduct independent research on the topic. Upon completion of the research, the student must submit a detailed written research report and make an oral presentation on the honors project. Course requirements: CHEM 4103; a minimum of 5 s.h. research and/or independent study from: CHEM 4505, 4506, 4507, 4515, 4516, 4517.

### Bachelor of Science and Accelerated MS in Chemistry

Students working toward a BS degree in chemistry have the opportunity to earn an MS degree in two or three additional semesters of study. These students are encouraged to begin research projects as undergraduates and take advanced classes that can be used to waive some MS course requirements. As seniors they may be granted early admission to the MS program and would be eligible to receive paid teaching assistantships. To be enrolled in the MS program as a senior, a student must be within 6 s.h. credit of completing all undergraduate degree requirements. Applications to the MS program should be submitted during the first semester of the senior year and must include GRE scores.

## DEPARTMENT OF ECONOMICS

*Carson W. Bays, Chairperson, A-428 Brewster Building*

### BA in Economics

Economics majors are required to earn a minimum grade of C in each of the following courses: ECON 2113, 2133, 3144, 3244. Minimum degree requirement is **120 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
- 2. Foreign language through level 1004 ..... 12 s.h.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

- 3. Core..... 33 s.h.**  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)  
 ECON 3144. Intermediate Microeconomics (3) (F,S) (GE:SO) (P: ECON 2113)  
 ECON 3244. Intermediate Macroeconomics (3) (F,S) (GE:SO) (P: ECON 2133)  
 Choose an additional 21 s.h. above 2999, including a minimum of 6 s.h. above 3999
- 4. Cognates..... 9 s.h.**  
 DSCI 2223. Introduction to Computers (3) (F,S,SS)  
 ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)  
 MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
- 5. Minor, chosen with approval of adviser, and general electives to complete requirements for graduation.**

### BS in Economics

Economics majors are required to earn a minimum grade of C in each of the following courses: ECON 2113, 2133, 3144, 3244. Minimum degree requirement is **120 s.h.** of credit as follows.

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
- 2. Common Core ..... 45-48 s.h.**  
 ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)  
 ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)  
 DSCI 2223. Introduction to Computers (3) (F,S,SS)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)  
 ECON 3144. Intermediate Microeconomics (3) (F,S) (GE:SO) (P: ECON 2113)  
 ECON 3244. Intermediate Macroeconomics (3) (F,S) (GE:SO) (P: ECON 2133)  
 ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)  
 MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)  
 Choose additional electives as follows:  
**Applied Economics:** An additional 18 s.h. of ECON above 2999, including at least 6 s.h. above 3999  
**Quantitative:** An additional 21 s.h. of ECON above 2999, including at least 6 s.h. above 3999
- 3. Concentration area (Choose one.) ..... 15-20 s.h.**  
**Applied Economics:**  
 COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
 ECON 3343. Econometrics (3) (F,S) (GE:SO) (P: DSCI 2223 or CSCI 2600; ECON 2133; MATH 2283)  
 FINA 2244. Legal Environment of Business (3) (F,S,SS)  
 FINA 3724. Financial Management (3) (F,S,SS) (P: ECON 2113; MATH 2283; C: ACCT 2521 or 3551)  
 MATH 2119. Elements of Calculus (3) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C)
- Quantitative:**  
 MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C)  
 MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (GE:MA) (P for 2171: MATH 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2122 with a minimum grade of C or MATH 2171; P for 2173: MATH 2172)  
 MATH 3256. Linear Algebra (3) (F,S,SS) (P: MATH 2172) or MATH 3307. Mathematical Statistics I (3) (F,S,SS) (P: MATH 2172) or ECON 3343. Econometrics (3) (F,S) (GE:SO) (P: DSCI 2223 or CSCI 2600; ECON 2133; MATH 2283)

## SECTION 7: DEGREES

4. **Electives, or optional minor and electives, to complete requirements for graduation.** (Grades in required cognate courses will be used in computing the GPA in the major even in those cases in which the same courses are a part of the minor.)

### Economics Minor

Minimum requirement for economics minor is **24 s.h.** of credit as follows:

1. **Core** ..... **12 s.h.**  
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)  
ECON 3144. Intermediate Microeconomics (3) (F,S) (GE:SO) (P: ECON 2113)  
ECON 3244. Intermediate Macroeconomics (3) (F,S) (GE:SO) (P: ECON 2133)
2. **General electives above 2999** ..... **12 s.h.**

### Economics Honors Program

Participation in the honors program is limited to seniors who have obtained a minimum cumulative GPA of 3.5. A minimum grade of B in ECON 4550 is a prerequisite for admission to ECON 4551. Completion of both courses with a minimum grade of B is necessary to receive departmental honors.

## DEPARTMENT OF ENGLISH

*Bruce Southard, Chairperson, 2201 Bate Building*

### BA in English

Minimum degree requirement is **126 s.h.** of credit as follows:

1. **General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.)** ..... **42 s.h.**
2. **Foreign language through level 1004** ..... **12 s.h.**
3. **Common Core (exclusive of freshman composition)** ..... **12 s.h.**  
ENGL 2000. Interpreting Literature (3) (WI) (F,S,SS) (GE:HU) (P: ENGL major, minor, academic concentration, or consent of dept; ENGL 1200)  
ENGL 3000. History of Literature in English to 1700 (3) (WI) (F,S) (GE:HU) (P: ENGL major, minor, academic concentration, or consent of dept; ENGL 1200)  
ENGL 3010. History of Literature in English, 1700-1880 (3) (WI) (F,S) (GE:HU) (P: ENGL major, minor, academic concentration, or consent of dept; ENGL 1200)  
ENGL 3020. History of Literature in English, 1880-Present (3) (WI) (F,S) (GE:HU) (P: ENGL major, minor, academic concentration, or consent of dept; ENGL 1200)
4. **Concentration area** ..... **24 s.h.**

#### English:

Choose 3 s.h. from:

- ENGL 2700. Introduction to Language Studies (3) (F,S) (GE:HU) (P: ENGL 1200)  
ENGL 2710. English Grammar (3) (F,S,SS) (P: ENGL 1200)  
ENGL 3750. Introductory Linguistics (3) (S) (GE:HU) (P: ENGL 1200)  
ENGL 3810. Advanced Composition (3) (WI) (F,S,SS) (P: ENGL 1200)  
ENGL 3830. Introduction to Play Writing (3) (WI) (F) (P: ENGL 1200)  
ENGL 3840. Introduction to Poetry Writing (3) (WI) (F,S,SS) (P: ENGL 1200)  
ENGL 3850. Introduction to Fiction Writing (3) (WI) (F,S,SS) (P: ENGL 1200)  
ENGL 3860. Introduction to Nonfiction Writing (3) (WI) (F,S) (P: ENGL 1200)  
ENGL 3890. Critical Writing (3) (WI) (GE:HU) (P: ENGL 1200)  
ENGL 5500. Linguistic and Cultural History of the English Language (3)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

Choose 3 s.h. from:

- ENGL 4070. Shakespeare: The Histories (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)
- ENGL 4080. Shakespeare: The Comedies (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 4090. Shakespeare: The Tragedies (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)

Choose an additional 18 s.h. of ENGL electives above 2899 (CLAS 3460 may be used to satisfy this requirement), including a minimum of 12 s.h. above 3999. Writing courses and ENGL 4319, 4323, 4324, 4950, 4960, or 4970 may not be used to satisfy this requirement.

### Writing:

Choose 3 s.h. from:

- ENGL 4070. Shakespeare: The Histories (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)
- ENGL 4080. Shakespeare: The Comedies (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 4090. Shakespeare: The Tragedies (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)

Choose 18 s.h. from:

- ENGL 3810. Advanced Composition (3) (WI) (F,S,SS) (P: ENGL 1200)
- ENGL 3820. Scientific Writing (3) (F,S,SS) (P: ENGL 1200)
- ENGL 3830. Introduction to Play Writing (3) (WI) (F) (P: ENGL 1200)
- ENGL 3840. Introduction to Poetry Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
- ENGL 3850. Introduction to Fiction Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
- ENGL 3860. Introduction to Nonfiction Writing (3) (WI) (F,S) (P: ENGL 1200)
- ENGL 3870. Introduction to Editing and Abstracting (3) (WI) (F,S) (P: ENGL 1200)
- ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)
- ENGL 3890. Critical Writing (3) (WI) (S-OY) (GE:HU) (P: ENGL 1200)
- ENGL 4890. Practicum: Careers in Writing (3) (F,S,SS) (P: Consent of instructor)
- ENGL 4891. Practicum: Careers in Writing (3) (F,S,SS) (P: Consent of instructor)
- ENGL 5770. Advanced Editing (3) (WI) (P: ENGL 3870 or consent of instructor)
- ENGL 5780. Advanced Writing for Business and Industry (3) (WI) (P: ENGL 3880 or consent of instructor)
- ENGL 5840. Advanced Poetry Writing (3) (WI) (P: ENGL 3840 or consent of instructor)
- ENGL 5850. Advanced Fiction Writing (3) (WI) (P: ENGL 3850 or consent of instructor)
- ENGL 5860. Advanced Nonfiction Writing (3) (WI) (P: ENGL 3860 or consent of instructor)
- ENGL 5890. Advanced Script Writing (3) (P: Acceptance into the creative writing concentration of the MA literature program or ENGL 3830 or consent of instructor)

Choose an additional 3 s.h. of ENGL electives above 2899. CLAS 3460 may be used to satisfy this requirement. Writing courses or ENGL 4319, 4323, 4324, 4950, 4960, or 4970 may not be used to satisfy this requirement.

### 5. Senior writing portfolio.

### 6. Minor and general electives to complete requirements for graduation.

*Recommended Elective for Writing Concentration:* PHIL 1180. Introduction to Critical Reasoning (3) (WI\*) (S) (GE:HU) or PHIL 2271. Introduction to Philosophy of Art (3) (WI\*) (F,S) (GE:HU)

## BS in English, Secondary Education

A minimum 2.5 GPA is required for admission to the BS program. To graduate in this program, students must demonstrate competency in traditional grammar by passing the departmental exam or making a minimum grade of C in ENGL 2710. For admission to internship, English education majors must have attained minimum cumulative and major 2.5 GPAs. They must have passing grades in ENGL 4960; READ 3990 or 5317; EDTC 4001; PSYC 3240, 4305. They must have a minimum grade of C in ENGL 2123, 3710. See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

### 1. General education plus special requirements for licensure (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

- PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)
- PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)



## SECTION 7: DEGREES

- 2. Foreign language through level 1004 ..... 12 s.h.**
- 3. Core (exclusive of freshman composition and ENGL 2710) ..... 36 s.h.**
- ENGL 2000. Interpreting Literature (3) (WI) (F,S,SS) (GE:HU) (P: ENGL major, minor, academic concentration, or consent of dept; ENGL 1200)
- ENGL 2700. Introduction to Language Studies (3) (FS) (GE:HU) (P: ENGL 1200)
- ENGL 3000. British and American Literary History I (3) (WI) (GE:HU) (P: ENGL major, minor, academic concentration or consent of dept; ENGL 1200)
- ENGL 3010. British and American Literary History II (3) (WI) (FS) (GE:HU) (P: ENGL major, minor, academic concentration or consent of dept; ENGL 1200)
- ENGL 3020. History of Literature in English, 1880-Present (3) (WI) (FS) (GE:HU) (P: ENGL major, minor, academic concentration, or consent of dept; ENGL 1200)
- ENGL 3710. Advanced English Grammar (3) (S) (P: ENGL 2710 or equivalent)
- ENGL 3810. Advanced Composition (3) (WI) (F,S,SS) (P: ENGL 1200)
- ENGL 4960. Literature for High School (3) (WI) (F) (GE:HU)
- Choose 3 s.h. from:
- ENGL 4070. Shakespeare: The Histories (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)
- ENGL 4080. Shakespeare: The Comedies (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 4090. Shakespeare: The Tragedies (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- Choose 3 s.h. from:
- CLAS 3460. Classical Mythology (3) (GE:HU)
- ENGL 3260. Black Literature in America (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 3300. Women in Literature (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)
- ENGL 3460. Classical Mythology (3) (WI) (GE:HU) (P: ENGL 1200)
- ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (GE:HU) (P: ENGL 1200)
- ENGL 3630. The Bible as Literature (3) (WI) (S) (GE:HU) (P: ENGL 1200)
- Choose 6 s.h. from any 4000- or 5000-level literature course, excluding ENGL 4230, 4910, 4920, 4950, 4970
- 4. Professional courses ..... 27 s.h.**
- EDTC 4001. Technology in Education (2) (FS) (P: Admission to upper division)
- EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)
- EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (FS) (P: Admission to upper division) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)
- ENGL 2123. Early Experiences for the Prospective Teacher (1) (FS) (P: ENGL 1200)
- ENGL 4323. The Teaching of English in High School (3) (F) (P: ENGL 4960)
- ENGL 4324. Internship in English (10) (FS) (P: Admission to upper division; ENGL 4960; EDTC 4001; EDUC 3200; PSYC 3206; PSYC 4305 or EDUC 4400; a minimum grade of C in ENGL 2123, 2710, 3810, 4323)
- ENGL 4325. Internship Seminar: Issues in English Education (1) (S) (P: Admission to upper division; C: ENGL 4324)
- READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)
- SPED 4010. Exceptional Students in the Regular Classroom (2) (FS) (RP: SPED 2000)
- 5. Electives to complete requirements for graduation.**

### English as a Second Language Teacher Licensure

A person wishing to meet the requirements for the add-on certificate in teaching English as a second language (TESL), grades K-12, must hold an A-level or G-level license and complete the following courses, as well as any state-mandated examinations, such as the PRAXIS specialty area examination in TESL: ENGL 2700, 3730, 3740, 3750, 4710, and 4720.

### English Minor

#### Required ENGL courses (exclusive of freshman composition) ..... 24 s.h.

A minimum of 12 s.h. must be selected from courses numbered above 2899. CLAS 3460 may be counted.

ENGL 4323 and 4324 may not be counted, nor may both ENGL 2710 and 2730 be counted. Students interested in minoring in English should consult with the director of undergraduate studies in the department to plan their minor programs.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

## **Department Certificate in Business and Technical Communication**

For licensure, students must register with the department and maintain a minimum average of B.

- 1. Core ..... 3 s.h.**  
ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)
- 2. Electives ..... Minimum of 12 s.h.**  
COMM 2410. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
ENGL 2710. English Grammar (3) (F,S,SS) (P: ENGL 1200) or ENGL 2730. Functional Grammar (3) (WI) (F,S,SS) (P: ENGL 1200)  
ENGL 3810. Advanced Composition (3) (WI) (F,S,SS) (P: ENGL 1200)  
ENGL 3820. Scientific Writing (3) (WI) (F,S,SS) (P: ENGL 1200)  
ENGL 3860. Introduction to Nonfiction Writing (3) (WI) (F,S) (P: ENGL 1200)  
ENGL 3870. Introduction to Editing and Abstracting (3) (WI) (F,S) (P: ENGL 1200)  
ENGL 3885. Writing and Publications Development/Process (3) (WI) (S) (P: Consent of instructor)  
ENGL 3895. Topics in Technical and Professional Writing (3) (WI) (S) (P: Consent of instructor)  
ENGL 4890. Practicum: Careers in Writing (3) (F,S,SS) (P: Consent of instructor) or ENGL 4891. Practicum: Careers in Writing (3) (F,S,SS) (P: Consent of instructor)  
ENGL 5770. Advanced Editing (3) (WI) (P: ENGL 3870 or consent of instructor)  
ENGL 5780. Advanced Writing for Business and Industry (3) (WI) (P: ENGL 3880 or consent of instructor)  
ENGL 5860. Advanced Nonfiction Writing (3) (WI) (P: ENGL 3860 or consent of instructor)  
With departmental approval, certain other courses may be substituted.

### **English Honors Program**

The Department of English Honors Program provides an opportunity for outstanding English majors to do intensive research in areas of special interest. In order to qualify for the honors program, a student must have a minimum cumulative and major 3.0 GPA. Students participating in the honors program enroll in ENGL 4550 and 4555 in consecutive semesters of their senior year. After extensive reading on a topic of his or her choice and appropriate consultation with an adviser chosen from among the senior faculty members, the student submits a paper on a topic related to his or her reading and takes an oral examination covering the area of the research.

### **Summer Program in England**

The Department of English offers a summer program of study in London, England. Students may earn 6 s.h. credit toward graduation. Interested students should contact the director of undergraduate studies in English.

## **DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES**

*Sylvie D. Henning, Chairperson, 3324 Bate Building*

French, German, or Hispanic studies majors who are interested in gaining work experience in business, industry, or government under the cooperative education program should see the department chair.

### **BA or BS in Foreign Languages, including Preparation for the Accelerated MBA Program**

French, German, and Hispanic studies majors who are interested in careers in business may complete the BA or BS in foreign languages with a minor in business administration, and if qualified may complete the master of business administration in one additional year. (See Section 6, Undergraduate Studies, Bachelor's and Accelerated MBA Program.)

### **BA in French**

Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) and HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) or HIST 1552. Honors, World History to 1500 (3) (F) and HIST 1553. Honors, History of Europe Since 1500 (3) (S)

### 2. Core ..... 36 s.h.

FREN 2330. Review of Grammar (3) (P: FREN 1004 or equivalent)

FREN 3225. Advanced Conversation (3) (P: FREN 2330)

FREN 3330. Composition and Advanced Grammar (3) (WI) (P: FREN 2330)

FREN 3500. Introduction to Literature (3) (P: FREN 2330)

Choose 9 s.h. from:

FREN 2440. Readings in the Culture of France I (3) (GE:HU) (P: FREN 1004)

FREN 2441. Readings in the Culture of France II (3) (GE:HU) (P: FREN 1004)

FREN 2442. Readings in the Francophone Cultures of the Americas (3) (GE:HU) (P: FREN 1004)

FREN 2443. Readings in the Francophone Cultures of Africa (3) (GE:HU) (P: FREN 1004)

Choose 9 s.h. from:

FREN 3555. France of the Middle Ages and Renaissance (3) (WI) (GE:HU) (P: FREN 3500 or consent of dept chair)

FREN 3556. France from Classicism to the French Revolution (3) (GE:HU) (P: FREN 3500 or consent of dept chair)

FREN 3557. France from the Napoleonic Period to World War II (3) (WI) (GE:HU) (P: FREN 3500 or consent of dept chair)

FREN 3558. The Francophone World: Colonization to Independence (3) (GE:HU) (P: FREN 3500 or consent of dept chair)

FREN 3560. The Contemporary French and Francophone World (3) (GE:HU) (P: FREN 3500 or consent of dept chair)

Choose 6 s.h. of FREN electives above 2999

### 3. Minor and general electives to complete requirements for graduation.

### 4. In the second semester of the junior year, a French major must pass an oral qualifying examination.

## BS in French Education

Minimum degree requirement is **126 s.h.** of credit as follows:

### 1. General education plus special requirements for licensure (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

COMM 2410. Public Speaking (3) (F,S,SS) or COMM 2420. Business and Professional Communication (3) (F,S,SS)

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) and HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS)

or HIST 1552. Honors, World History to 1500 (3) (F) and HIST 1553. Honors, History of Europe Since 1500 (3) (S)

MATH 1065. College Algebra (3) (F,S,SS) (P: Appropriate score on mathematics placement test) or MATH 1066.

Applied Mathematics for Decision Making (3) (F,S,SS) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (P: Appropriate score on mathematics placement test)

PSYC 1000. Introductory Psychology (3) (F,S,SS)

### 2. Core ..... 36 s.h.

FREN 2330. Review of Grammar (3) (P: FREN 1004 or equivalent)

FREN 3225. Advanced Conversation (3) (P: FREN 2330)

FREN 3330. Composition and Advanced Grammar (3) (WI) (P: FREN 2330)

FREN 3500. Introduction to Literature (3) (P: FREN 2330)

Choose 9 s.h. from:

FREN 2440. Readings in the Culture of France I (3) (P: FREN 1004)

FREN 2441. Readings in the Culture of France II (3) (P: FREN 1004)

FREN 2442. Readings in the Francophone Cultures of the Americas (3) (P: FREN 1004)

FREN 2443. Readings in the Francophone Cultures of Africa (3) (P: FREN 1004)

Choose 9 s.h. from:

FREN 3555. France of the Middle Ages and Renaissance (3) (WI) (P: FREN 3500 or consent of dept chair)

FREN 3556. France from Classicism to the French Revolution (3) (P: FREN 3500 or consent of dept chair)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

## DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES

FREN 3557. France from the Napoleonic Period to World War II (3) (WI) (P: FREN 3500 or consent of dept chair)

FREN 3558. The Francophone World: Colonization to Independence (3) (P: FREN 3500 or consent of dept chair)

FREN 3560. The Contemporary French and Francophone World (3) (P: FREN 3500 or consent of dept chair)

Choose 6 s.h. of FREN electives above 2999

### 3. Professional courses ..... 36 s.h.

EDTC 4001. Technology in Education (3) (FS) (P: Admission to upper division)

EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)

EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (FS) (P: Admission to upper division) or

PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)

ELEM 3275. Early Childhood and Elementary School Curriculum (3) (F,S,SS)

FREN 2611. Early Experiences for the Prospective Teacher (1)

FREN 4611. Teaching Second Languages in Grades K-12 (5)

FREN 4880. Internship in French (10) (P: Admission to upper division; FREN 2330, 3225, 3330, 3500; 18 s.h. of FREN at the 2000 and 3000 levels; C: FREN 4881)

FREN 4881. Internship Seminar: Issues in French Education (1) (P: Admission to upper division; C: FREN 4880)

PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (P: PSYC 1000 or 1060)

READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)

SPED 4010. Exceptional Students in the Regular Classroom (2) (FS) (RP: SPED 2000)

### 4. Electives to complete requirements for graduation.

### 5. In the second semester of the junior year, a French major must pass an oral qualifying examination.

## BA in German

Minimum degree requirement is **126 s.h.** of credit as follows:

### 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO) and HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) (GE:SO) or HIST 1552. Honors, World History to 1500 (3) (F) (GE:SO) and HIST 1553. Honors, History of Europe Since 1500 (3) (S) (GE:SO)

HIST 3450. History of Modern Germany (3) (GE:SO)

### 2. Core ..... 36 s.h.

GERM 2420. Culture of the German-Speaking World I (3) (GE:HU) (P: GERM 1004 or consent of dept chair)

GERM 2421. Culture of the German-Speaking World II (3) (GE:HU) (P: GERM 1004 or consent of dept chair)

GERM 3210. Conversation (3) (P: GERM 2420, 2421; or consent of dept chair)

GERM 3330. Composition and Advanced Grammar (3) (P: GERM 2420, 2421; or consent of dept chair)

GERM 3510. Introduction to German Literature (3) (GE:HU) (P: GERM 2420, 2421; or consent of dept chair)

Choose 6 s.h. of German literature above 2999

Choose 15 s.h. of GERM electives above 2999

### 3. Minor and general electives to complete requirements for graduation.

### 4. In the second semester of the junior year, a German major must pass an oral qualifying examination.

## BS in German Education

See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

### 1. General education plus special requirements for licensure (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

## SECTION 7: DEGREES

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:HU) and HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) (GE:HU) or HIST 1552. Honors, World History to 1500 (3) (F) (GE:HU) and HIST 1553. Honors, History of Europe Since 1500 (3) (S) (GE:HU)

HIST 3450. History of Modern Germany (3) (GE:HU)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH

1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

Choose a literature course

### 2. Core ..... 36 s.h.

GERM 2420. Culture of the German-Speaking World I (3) (GE:HU) (P: GERM 1004 or consent of dept chair)

GERM 2421. Culture of the German-Speaking World II (3) (GE:HU) (P: GERM 1004 or consent of dept chair)

GERM 3210. Conversation (3) (P: GERM 2420, 2421; or consent of dept chair)

GERM 3330. Composition and Advanced Grammar (3) (P: GERM 2420, 2421; or consent of dept chair)

GERM 3510. Introduction to German Literature (3) (GE:HU) (P: GERM 2420, 2421; or consent of dept chair)

Choose 6 s.h. of German literature above 2999

Choose 15 s.h. of GERM electives above 2999

### 3. Professional courses ..... 36 s.h.

EDTC 4001. Technology in Education (3) (F,S) (P: Admission to upper division)

EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)

EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)

ELEM 3275. Early Childhood and Elementary School Curriculum (3) (F,S,SS)

GERM 2611. Early Experiences for the Prospective Teacher (1)

GERM 4611. Teaching Second Languages in Grades K-12 (5)

GERM 4880. Internship in German (10) (P: Admission to upper division; GERM 2120, 2300, 3200, 3300; 9 s.h. GERM literature above 2999; 9 s.h. GERM electives above 2999)

GERM 4881. Internship Seminar: Issues in German Teaching (1) (P: Admission to upper division; C: GERM 4324)

PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)

SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

### 4. Electives to complete requirements for graduation.

### 5. In the second semester of the junior year, a German major must pass an oral qualifying examination.

## BA in Hispanic Studies

Minimum degree requirement is **126 s.h.** of credit as follows:

### 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

FORL 2665. Don Quixote (3) (WI) (GE:HU) or FORL 2666. Latino Texts (3) (GE:HU)

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO) or HIST 1552. Honors, World History to 1500 (3) (F) (GE:SO)

HIST 2222. Western Europe Since 1500 (3) (GE:SO)

### 2. Core ..... 36 s.h.

SPAN 2222. Intermediate Spanish Conversation (3) (P: SPAN 1004 or consent of dept chair; RC: SPAN 2330) or SPAN 3220. Advanced Oral Communication Through Multimedia (3) (P: SPAN 2222 or consent of dept chair)

SPAN 2330. Intermediate Composition and Review of Grammar (3) (WI) (P: SPAN 1004 or consent of dept chair; RC: SPAN 2222)

SPAN 2440. Spanish Culture and Civilization (3) (WI\*) (P: SPAN 2222 or 2330 or consent of dept chair)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

SPAN 2441. Latin-American Culture and Civilization (3) (P: SPAN 2222 or 2330 or consent of dept chair)  
 SPAN 2550. Approaches to the Study of Hispanic Literature (3) (GE:HU) (P: SPAN 2222 or 2330 or consent of dept chair)  
 SPAN 3225. Spanish Phonetics (3) (P: SPAN 2222 or 2330 or consent of dept chair)  
 SPAN 3330. Advanced Composition (3) (WI) (P: SPAN 2222 or 3220; SPAN 2330)  
 Choose 15 s.h. of SPAN electives above 2999, including 9 s.h. from the following (with a minimum number from each area as designated below):

Choose a minimum of 3 s.h. from:

SPAN 4555. Medieval Spain (900-1499) (3) (WI) (GE:HU) (P: SPAN 2440, 2550; or consent of dept chair)  
 SPAN 4556. Renaissance and Baroque Spain (1500-1681) (3) (GE:HU) (P: SPAN 2440, 2550; or consent of dept chair)  
 SPAN 4557. Spain from Neoclassicism to Realism (1681-1898) (3) (GE:HU) (P: SPAN 2440, 2550; or consent of instructor)  
 SPAN 4558. Contemporary Spain (1898-Present) (3) (GE:HU) (P: SPAN 2440, 2550; or consent of instructor)

Choose a minimum of 3 s.h. from:

SPAN 4560. Major Latin-American Authors (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair)  
 SPAN 4561. Latin-American Texts of the Pre-Columbian and Colonial Periods (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)  
 SPAN 4562. Latin-American Texts of the Nineteenth and Early Twentieth Centuries (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)  
 SPAN 4563. Latin-American Texts: The Boom and Beyond (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)

**3. Minor and general electives to complete requirements for graduation.**

**4. In the second semester of the junior year, an Hispanic studies major must pass an oral qualifying examination.**

**BS in Hispanic Studies Education**

See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

**1. General education plus special requirements for licensure (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
 FORL 2665. Don Quixote (3) (GE:HU) or FORL 2666. Latino Texts (3) (GE:HU)  
 HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:HU) or HIST 1552. Honors, World History to 1500 (3) (F) (GE:HU)  
 HIST 2222. Western Europe Since 1500 (3) (GE:SO)  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

**2. Core ..... 36 s.h.**

SPAN 210. Cultural Readings in Spanish (3) (P: SPAN 1004 or consent of dept chair)  
 SPAN 2222. Intermediate Spanish Conversation (3) (P: SPAN 1004 or consent of dept chair; RC: SPAN 2330) or SPAN 3220. Advanced Oral Communication Through Multimedia (3) (P: SPAN 2222 or consent of dept chair)  
 SPAN 2330. Intermediate Composition and Review of Grammar (3) (WI) (P: SPAN 1004 or consent of dept chair; RC: SPAN 2222)  
 SPAN 2440. Spanish Culture and Civilization (3) (WI\*) (P: SPAN 2222 or 2330 or consent of dept chair)  
 SPAN 2441. Latin-American Culture and Civilization (3) (P: SPAN 2222 or 2330 or consent of dept chair)  
 SPAN 2550. Approaches to the Study of Hispanic Literature (3) (GE:HU) (P: SPAN 2222 or 2330 or consent of dept chair)  
 SPAN 3225. Spanish Phonetics (3) (P: SPAN 2222 or 2330 or consent of dept chair)

## SECTION 7: DEGREES

SPAN 3330. Advanced Composition (3) (WI) (P: SPAN 2222 or 3220; SPAN 2330)

SPAN 3335. Structure of the Spanish Language (3) (P: SPAN 3330 or consent of dept chair)

Choose 9 s.h. of SPAN electives above 2999, including 6 s.h. from the following (with a minimum number from each area as designated below):

Choose a minimum of 3 s.h. from:

SPAN 4555. Medieval Spain (900-1499) (3) (WI) (GE:HU) (P: SPAN 2440, 2550; or consent of dept chair)

SPAN 4556. Renaissance and Baroque Spain (1500-1681) (3) (GE:HU) (P: SPAN 2440, 2550; or consent of dept chair)

SPAN 4557. Spain from Neoclassicism to Realism (1681-1898) (3) (GE:HU) (P: SPAN 2440, 2550; or consent of instructor)

SPAN 4558. Contemporary Spain (1898-Present) (3) (GE:HU) (P: SPAN 2440, 2550; or consent of instructor)

Choose a minimum of 3 s.h. from:

SPAN 4560. Major Latin-American Authors (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair)

SPAN 4561. Latin-American Texts of the Pre-Columbian and Colonial Periods (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)

SPAN 4562. Latin-American Texts of the Nineteenth and Early Twentieth Centuries (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)

SPAN 4563. Latin-American Texts: The Boom and Beyond (3) (GE:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)

### 3. Professional courses ..... 36 s.h.

EDTC 4001. Technology in Education (3) (FS) (P: Admission to upper division)

EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)

EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (FS) (P: Admission to upper division) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)

ELEM 3275. Early Childhood and Elementary School Curriculum (3) (F,S,SS)

SPAN 2611. Early Experiences for the Prospective Teacher (1)

SPAN 4611. Teaching Second Languages in Grades K-12 (5) (P: 18 s.h. in SPAN above 1004 or consent of dept chair)

SPAN 4880. Internship in Spanish (10) (P: Admission to upper division; SPAN 2110, 2440, 2441, 3225, 3330; 15 s.h. in SPAN above 2999, including 9 s.h. in SPAN 4555, 4556, 4557, 4558, 4560, 4561, 4562, 4563, with a minimum of 3 s.h. in SPAN 4555, 4556, 4557, 4558 and 3 s.h. in SPAN 4560, 4561, 4562, 4563)

SPAN 4881. Internship Seminar: Issues in Spanish Teaching (1) (P: Admission to upper division; C: SPAN 4880)

PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)

SPED 4010. Exceptional Students in the Regular Classroom (2) (FS) (RP: SPED 2000)

### 4. Electives to complete requirements for graduation.

### 5. In the second semester of the junior year, an Hispanic studies major must pass an oral qualifying examination.

## French Minor

Students interested in minoring in French should consult with the departmental French adviser to plan their minor program. The French minor requires **24 s.h.** of credit as follows:

### 1. Core ..... 15 s.h.

FREN 2330. Review of Grammar (3) (P: FREN 1004 or equivalent)

FREN 3500. Introduction to Literature (3) (P: FREN 2330)

Choose 9 s.h. from:

FREN 2440. Readings in the Culture of France I (3) (GE:HU) (P: FREN 1004)

FREN 2441. Readings in the Culture of France II (3) (GE:HU) (P: FREN 1004)

FREN 2442. Readings in the Francophone Cultures of the Americas (3) (GE:HU) (P: FREN 1004)

FREN 2443. Readings in the Francophone Cultures of Africa (3) (GE:HU) (P: FREN 1004)

### 2. FREN electives above 2999 ..... 9 s.h.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

### **German Minor**

Students interested in minoring in German should consult with the departmental German adviser to plan their minor program. The German minor requires **24 s.h.** of credit as follows:

- 1. Core ..... 15 s.h.**  
 GERM 2420. Culture of the German-Speaking World I (3) (GE:HU) (P: GERM 1004 or consent of dept chair)  
 GERM 2421. Culture of the German-Speaking World II (3) (GE:HU) (P: GERM 1004 or consent of dept chair)  
 GERM 3210. Conversation (3) (P: GERM 2420, 2421; or consent of dept chair)  
 GERM 3330. Composition and Advanced Grammar (3) (P: GERM 2420, 2421; or consent of dept chair)  
 GERM 3510. Introduction to German Literature (3) (GE:HU) (P: GERM 2420, 2421; or consent of dept chair)
- 2. GERM electives above 2999 ..... 9 s.h**

### **Hispanic Studies Minor**

Students interested in minoring in Hispanic studies should consult with the departmental Hispanic adviser to plan their minor program. The Hispanic studies minor requires **24 s.h.** of credit as follows:

- 1. Core ..... 15 s.h.**  
 SPAN 2222. Intermediate Spanish Conversation (3) (F) (P: SPAN 1004 or consent of dept chair; RC: SPAN 2330) or  
 SPAN 3220. Advanced Oral Communication Through Multimedia (3) (P: SPAN 2222 or consent of dept chair)  
 SPAN 2330. Intermediate Composition and Review of Grammar (3) (WI) (P: SPAN 1004 or consent of dept chair;  
 RC: SPAN 2222)  
 SPAN 2440. Spanish Culture and Civilization (3) (WI\*) (P: SPAN 2222 or 2330 or consent of dept chair)  
 SPAN 2441. Latin-American Culture and Civilization (3) (P: SPAN 2222 or 2330 or consent of dept chair)  
 SPAN 2550. Approaches to the Study of Hispanic Literature (3) (GE:HU) (P: SPAN 2222 or 2330 or consent of dept chair)
- 2. SPAN electives above 2999 ..... 9 s.h**

### **Departmental Certificate in Spanish Translation**

The certificate in Spanish translation provides a course of study that prepares the student in the special skills involved in the role of translator. The award of the certificate provides evidence of practical competence in translating written texts to or from Spanish; interpretation of spoken Spanish is not involved. There are four required translation courses that must be satisfactorily completed, following which students may take a demanding final proficiency examination. Satisfactory performance on the examination entitles the student to receive the certificate in translation. Those students whose performance is judged only adequate may receive credit for completing the course sequence, but will not be awarded the certificate. The certificate requires **12 s.h.** credit as follows:

SPAN 3340. Introduction to Translation (3) (P: SPAN 3330 or consent of dept chair; RC: SPAN 3335)  
 SPAN 4340. Intermediate Translation (3) (P: SPAN 3335, 3340; or consent of dept chair)  
 SPAN 5340. Advanced Translation I (3) (P: SPAN 4340)  
 SPAN 5940. Advanced Translation II (3) (P: SPAN 5340)

### **Departmental Certificate of American Studies**

Students from countries other than the United States may apply to the chairperson of the Department of Foreign Languages and Literatures for a departmental certificate of American studies. In order to qualify for this certificate, a student must pass a minimum of 14 s.h. of graduate or undergraduate course work with a minimum grade of C. A certificate with distinction shall be awarded to a student who completes a program of **20 s.h.**, of which at least 14 s.h. are passed with a minimum grade of B.

### **Foreign Language Placement Tests**

Students who have previously studied French, German, Italian, Japanese, Latin, and Spanish should take the respective placement test in order to ensure that they continue their study at the appropriate level. (See Section 3, Admission: Placement



## SECTION 7: DEGREES

Testing.) While it may be possible to satisfy the foreign language requirement by completing 12 s.h. of Japanese, no guarantee can be given that the necessary courses will be offered.

### DEPARTMENT OF GEOGRAPHY

*Ronald L. Mitchelson, Chairperson, A-227 Brewster Building*

#### BA in Geography

Students must complete a minimum of 21 s.h. in geography above 2999. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.)** ..... **42 s.h.**
2. **Foreign language through level 1004** ..... **12 s.h.**
3. **Common core** ..... **13 s.h.**

GEOG 2400. Spatial Data Analysis (3) (F, S)

GEOG 4999. Geography Professional Seminar (1) (P: Consent of instructor)

Choose 9 s.h. electives from:

GEOG 3410. Fundamentals of GIS (3) (F, S)

GEOG 3420. Remote Sensing of the Environment I (3) (F) (P: GEOG 3410 or equivalent)

GEOG 3430. Geographic Information Systems I (3) (F,S) (P: GEOG 3410 or equivalent)

GEOG 3450. Introduction to the Global Positioning System (3) (S) (P: GEOG 3410 or equivalent)

GEOG 4410. Advanced Cartographic Design and Production (3) (F,S) (P: GEOG 3410 or equivalent experience)

GEOG 4420. Remote Sensing II (3) (P: GEOG 3420 or consent of instructor)

GEOG 4430. Geographic Information Systems II (3) (P: GEOG 3430 or consent of instructor)

GEOG 4491, 4492, 4493. Supervised Study in Geographic Techniques (1,2,3) (F,S,SS)

GEOG 4801, 4802, 4803. Geographic Internship (1,2,3) (F,S,SS) (P: Consent of GEOG internship director the semester prior to the internship.)

GEOG 4901. Senior Honors Thesis (3) (F,S) (P: GEOG 4900 with a grade of B or higher)

GEOG 5491, 5492, 5493. Seminar in Geographic Techniques (1,2,3) (P: Consent of instructor)

May choose any GEOG course listed below that is not being counted toward the degree.

4. **Concentration area (Choose 15 s.h. in one area, 6 s.h. in another area.)** ..... **21 s.h.**

#### Human:

GEOG 2003. Economic Geography (3) (WI) (F,S) (GE:SO)

GEOG 2019. Geography of Recreation (3) (F) (GE:SO)

GEOG 2100. World Geography: Developed Regions (3) (F, S, SS) (GE:SO)

GEOG 2110. World Geography: Less Developed Regions (3) (F, S, SS) (GE:SO)

GEOG 3001. Historical Geography of the United States (3)

GEOG 3003. Political Geography (3) (WI) (S) (GE:SO)

GEOG 3004. Urban Geography (3) (F)

GEOG 3049. South America (3) (WI) (GE:SO)

GEOG 3050. Africa (3) (WI) (S) (GE:SO)

GEOG 3051. Asia (3) (S) (GE:SO)

GEOG 3055. North Carolina (3) (F) (GE:SO)

GEOG 3056. Middle America (3) (GE:SO)

GEOG 3300. Geographic Images (3) (F) (GE:SO)

GEOG 4001. Geography of Transportation and Trade (3) (S) (P: GEOG 2003)

GEOG 4050. Human Migration and Global Restructuring (3) (F) (GE:SO)

GEOG 4140. Research Methods in Human Geography (3) (S)

GEOG 4320. Gender, Economy, and Development (3) (S)

GEOG 4325. Resources, Population, and Development (3) (WI) (GE:SO) (P: GEOG 2003 or consent of instructor)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

- GEOG 4330. Agricultural Geography (3) (F) (GE:SO)
- GEOG 4335. Geography of Tourism (3) (S) (GE:SO)
- GEOG 4391, 4392, 4393. Supervised Study in Human Geography (1,2,3) (F,S,SS) (P: Consent of instructor)
- GEOG 4900. Honors Research (3) (F,S) (P: Admission to GEOG honors program)
- GEOG 5391, 5392, 5393. Seminar in Human Geography (1,2,3) (P: Consent of instructor)

**Physical: (If concentration area, a minimum of 3 s.h. must be above 3999.)**

- GEOG 2200. Weather and Climate (3) (F,S)
- GEOG 2250. Earth Surface Systems (3) (F)
- GEOG 3220. Soil Properties, Surveys, and Applications (3) (F) (P: GEOG 2250)
- GEOG 3230. Global Climates (3) (S) (P: GEOG 2250)
- GEOG 3250. Environmental Hazards (3) (F) (P: GEOG 2200 or 2250)
- GEOG 4210. Fluvial and Hydrological Processes (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
- GEOG 4220. Coastal Geography (3) (WI) (S) (P: GEOG 2200, 2250; or consent of instructor)
- GEOG 4230. Land Form Analysis (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
- GEOG 4291, 4292, 4293. Supervised Study in Physical Geography (1,2,3) (F,S,SS) (P: Consent of instructor)
- GEOG 4900. Honors Research (3) (F,S) (P: Admission to GEOG honors program)
- GEOG 5220. Physical Geography Field Experience (3) (P: GEOG 2200, 2250; or consent of instructor)
- GEOG 5281, 5282, 5283. Selected Topic in Physical Geography (1,2,3) (P: Consent of instructor)

**5. Minor and general electives to complete requirements for graduation.**

**BS in Applied Geography**

Minimum degree requirement is **126 s.h.** of credit as follows:

**1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

- COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)
- MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

**2. Core (Choose a minimum of 27 s.h. in geography above 2999, including a maximum of 3 s.h. of supervised study in each of the categories below.) ..... 43 s.h.**

- ENGL 3820. Scientific Writing (3) (WI) (F,S,SS) (P: ENGL 1200) or ENGL 3860. Introduction to Nonfiction Writing (3) (WI) (F,S) (P: ENGL 1200) or ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200) or ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
- GEOG 2400. Spatial Data Analysis (3) (F,S)
- GEOG 3410. Fundamentals of GIS (3) (F,S)
- GEOG 4801, 4802, 4803. Geography Internship (1,2,3) (F,S,SS) (P: Consent of GEOG internship director semester prior to internship)
- GEOG 4999. Geography Professional Seminar (1) (P: Consent of instructor)

**Geographic Information Science (Choose 9 s.h. from the following.):**

- GEOG 3420. Remote Sensing of the Environment I (3) (F) (P: GEOG 3410 or equivalent)
- GEOG 3430. Geographic Information Systems I (3) (F,S) (P: GEOG 3410 or equivalent)
- GEOG 3450. Introduction to the Global Positioning System (3) (S) (P: GEOG 3410 or equivalent)
- GEOG 4410. Advanced Cartographic Design and Production (3) (F,S) (P: GEOG 3410 or equivalent experience)
- GEOG 4420. Remote Sensing II (3) (S) (P: GEOG 3420 or consent of instructor)
- GEOG 4430. Geographic Information Systems II (3) (P: GEOG 3430 or consent of instructor)
- GEOG 4491, 4492, 4493. Supervised Study in Geographic Techniques (1,2,3) (F,S,SS)
- GEOG 4900. Honors Research (3) (F,S) (P: Admission to GEOG honors program)

**Human (Choose 9 s.h. from the following.):**

- GEOG 2003. Economic Geography (3) (WI) (F,S) (GE:SO)
- GEOG 2019. Geography of Recreation (3) (F) (GE:SO)
- GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (GE:SO)

## SECTION 7: DEGREES

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GEOG 2110. World Geography: Less Developed Regions (3) (F,SS) (GE:SO)  
GEOG 3001. Historical Geography of the United States (3) (F)  
GEOG 3003. Political Geography (3) (WI) (S) (GE:SO)  
GEOG 3004. Urban Geography (3) (S)  
GEOG 3049. South America (3) (WI) (GE:SO)  
GEOG 3050. Africa (3) (WI) (S) (GE:SO)  
GEOG 3051. Asia (3) (S) (GE:SO)  
GEOG 3055. North Carolina (3) (F) (GE:SO)  
GEOG 3056. Middle America (3) (GE:SO)  
GEOG 3300. Geographic Images (3) (F) (GE:SO)  
GEOG 4001. Geography of Transportation and Trade (3) (S) (P: GEOG 2003)  
GEOG 4050. Human Migration and Global Restructuring (3) (F) (GE:SO)  
GEOG 4140. Research Methods in Human Geography (3) (S)  
GEOG 4320. Gender, Economy, and Development (3) (S)  
GEOG 4325. Resources, Population, and Development (3) (WI) (GE:SO) (P: GEOG 2003 or consent of instructor)  
GEOG 4330. Agricultural Geography (3) (F) (GE:SO)  
GEOG 4335. Geography of Tourism (3) (S) (GE:SO)  
GEOG 4391, 4392, 4393. Supervised Study in Human Geography (1,2,3) (F,SS) (P: Consent of instructor)  
GEOG 4900. Honors Research (3) (F,S) (P: Admission to GEOG honors program)  
GEOG 5391, 5392, 5393. Seminar in Human Geography (1,2,3) (P: Consent of instructor)

### **Physical (Choose 9 s.h. from the following.):**

GEOG 2200. Weather and Climate (3) (F,S)  
GEOG 2250. Earth Surface Systems (3) (F)  
GEOG 3220. Soil Properties, Surveys, and Applications (3) (F) (P: GEOG 2250)  
GEOG 3230. Global Climates (3) (S) (P: GEOG 2250)  
GEOG 3250. Environmental Hazards (3) (F) (P: GEOG 2200 or 2250)  
GEOG 4210. Fluvial and Hydrological Processes (3) (S) (P: GEOG 2200, 2250; or consent of instructor)  
GEOG 4220. Coastal Geography (3) (WI) (S) (P: GEOG 2200, 2250; or consent of instructor)  
GEOG 4230. Land Form Analysis (3) (F) (P: GEOG 2200, 2250; or consent of instructor)  
GEOG 4291, 4292, 4293. Supervised Study in Physical Geography (1,2,3) (F,SS) (P: Consent of instructor)  
GEOG 4900. Honors Research (3) (F,S) (P: Admission to GEOG honors program)  
GEOG 5220. Physical Geography Field Experience (3) (P: GEOG 2200, 2250; or consent of instructor)  
GEOG 5281, 5282, 5283. Selected Topic in Physical Geography (1,2,3) (P: Consent of instructor)

### **Electives (Choose 3 s.h. from the following.):**

GEOG 1000. Introduction to Geography (3) (F,SS) (GE:SO)  
GEOG 1250. The Water Planet (3) (F,S) (GE:SO)  
GEOG 4901. Senior Honors Thesis (3) (F,S) (P: GEOG 4900 with a grade of B or higher)

May choose any GEOG course listed that is not being counted toward the degree.

### **3. Concentration Area** (Choose an additional 6 s.h. in either human or physical geography, as listed above.

If concentration area is physical geography a minimum of 3 s.h. must be above 3999) ..... **6 s.h.**

### **4. Minor** ..... **24 s.h.**

Selected from aerospace, biology, business administration, computer science, economics, geology, industrial technology, information processing, leisure systems studies, military science, planning, public administration, statistics, or any other appropriate minor with consent of the dept chair.

### **5. Electives to complete requirements for graduation.**

## Geography Minor

Minimum requirement for the minor in geography is **24 s.h.** of credit as follows:

Minimum of one course from each of the geography categories listed in the BS in applied geography degree, 2., above  
Minimum of 6 s.h. of GEOG electives above 2999

## Geography Honors Program

The honors program in geography is designed for outstanding geography majors who wish additional challenge and recognition in pursuing scholarly work in a sub-field of geography. A student wishing to enter the honors program in geography must be a junior majoring in geography, have a minimum cumulative 3.0 GPA, have a minimum 3.3 GPA in geography, and have completed a minimum of 21 s.h. in geography. Exceptions to these requirements may be made at the discretion of the departmental chairperson. A student in the honors program is encouraged to enroll, as part of her/his regular curriculum, in GEOG 4900 during the second semester of the junior year, and GEOG 4901 in the first semester of the senior year. Each honors student will carry out an extensive program of carefully supervised reading and research in one of the areas of geography, leading to the preparation of a senior honors thesis. To receive honors, a student must complete both GEOG 4900 and GEOG 4901 with at least a B. Further details about the honors program are available in the departmental office, Brewster A-229.

## Departmental Certificate in Geographic Information Science

The course of study for the geographic information science (GIS) certificate provides theoretical and technological competencies that prepare students to develop and manage geographic information projects and to interpret and implement GIS as a decision support system. The program enhances basic and applied research capacity at the undergraduate level. A minimum cumulative 2.5 GPA is required for admission. The student must maintain a B average in the certificate courses to remain in the program and receive the GIS certificate. The certificate requires a minimum of **15 s.h.** as follows:

- 1. Core ..... 12 s.h.**  
 GEOG 3410. Fundamentals of GIS (3) (F,S)  
 GEOG 3420. Remote Sensing of the Environment I (3) (F) (P: GEOG 3410 or equivalent)  
 GEOG 3430. Geographic Information Systems I (3) (F,S) (P: GEOG 3410 or equivalent)  
 GEOG 3450. Introduction to the Global Positioning System (3) (S) (P: GEOG 3410 or equivalent)
- 2. Electives (Choose from the following.) ..... 3 s.h.**  
 GEOG 4410. Advanced Cartographic Design and Production (3) (F,S) (P: GEOG 3410 or equivalent)  
 GEOG 4420. Remote Sensing II (3) (S) (P: GEOG 3420 or consent of instructor)  
 GEOG 4430. Geographic Information Systems II (3) (S) (P: GEOG 3430 or consent of instructor)

## DEPARTMENT OF GEOLOGY

*Stephen J. Culver, Chairperson, 101 Graham Building*

## BS in Geology

Geology majors have the opportunity to specialize in one of three concentration areas: coastal and marine, environmental, or general geology. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) ..... 42 s.h.**
- 2. Core ..... 37 s.h.**  
 GEOL 1500. Dynamic Earth (3) (F,S,SS) (GE:SC) and GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (GE:SC);  
 or GEOL 1550. Oceanography (4) (F,S) (GE:SC); or GEOL 1700. Environmental Geology (4) (F,S) (GE:SC)  
 GEOL 1600. Earth and Life Through Time (4) (F,S) (GE:SC)  
 GEOL 3000, 3001. Mineralogy (4,0) (F) (P: A 1000-level GEOL course; P/C: CHEM 1150, 1151)  
 GEOL 3100, 3101. Petrology (4,0) (S) (P: GEOL 3000, 3001)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

GEOL 3300, 3301. Structural Geology (4,0) (F) (P: GEOL 1600)  
GEOL 4000. Summer Field Course in Geology (6) (SS) (P: GEOL 3100, 3101, 3300, 3301)  
GEOL 4010, 4011. Sedimentology (4,0) (WI) (F) (P: GEOL 1600, 3100, 3101)  
GEOL 4020, 4021. Stratigraphy (3,0) (WI) (S) (P: GEOL 1600)  
GEOL 4200, 4201. Paleontology (4,0) (4200:WI) (S) (P: GEOL 1600)

### 3. Concentration areas (Choose one.) ..... 9 s.h.

#### Coastal and Marine Geology:

GEOL 1550. Oceanography (4) (FS) (GE:SC)  
GEOL 5300. Geology of Coastal Processes and Environments (3) (P: GEOL 1550, 4010, 4011; or consent of instructor)  
GEOL 5350. Marine Geology (3) (P: GEOL 1550, 4010, 4011; or consent of instructor)

#### Environmental Geology (Choose 9 s.h. from the following.):

GEOL 1700. Environmental Geology (4) (FS) (GE:SC)  
GEOL 5150. The Geologic Component of Environmental Science (3) (P: Introductory GEOL course or consent of instructor)  
GEOL 5450. Introduction to Aqueous Geochemistry (3) (P: CHEM 1150, 1151, 1160, 1161)  
GEOL 5710, 5711. Ground-Water Hydrology (3,0) (P: GEOL 1500, 1501; or consent of instructor)

#### General Geology:

Choose 9 s.h. from any combination of GEOL courses

### 4. Cognates..... 28 s.h.

CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)  
CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)  
MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
Choose 9 s.h. of approved courses in calculus, statistics, and/or computer applications  
Choose 8 s.h. of approved BIOL, CHEM, and/or PHYS courses

### 5. Electives to complete requirements for graduation.

NOTE: Students who plan to pursue graduate degrees in geology should complete a year of physics and a year of calculus.

## Geology Minor

Minimum requirement for minor is **24 s.h.** of GEOL courses. A minimum of 12 s.h. must be selected from courses numbered above 2999.

## Geology Honors Program

A student desiring to enter the honors program in geology must satisfy the approved departmental criteria: junior standing with a minimum cumulative 3.0 GPA; completion of a minimum of 20 s.h. in geology; a minimum 3.0 GPA in geology courses with no grade below C. See GEOL 4550, 4551, Honors Thesis.

## DEPARTMENT OF HISTORY

*Michael A. Palmer, Chairperson, A-315 Brewster Building*

In order to declare a major in history a student must satisfy the requirements as stated in the catalog for transfer to departments in the College of Arts and Sciences (See Section 6, Undergraduate Studies) and must have credit for a foreign language through level 1001 for a BA or BS in history (foreign language not required for public history options).

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

## BA in History

Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) ..... 42 s.h.**
- 2. Foreign language through level 1004 ..... 12 s.h.**
- 3. Core ..... 36 s.h.**

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 1050. American History to 1877 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 1051. American History Since 1877 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 3000. History: Its Nature and Method (3) (WI\*) (F,S) (GE:SO) (P: 6 s.h. in HIST)

Choose a minimum of 21 s.h. of electives above 2999, at least one 3 s.h. course from each area as listed below  
(Minimum of 3 s.h. must be taken at the 5000-5999 level):

### American History:

HIST 3010. Constitutional History of the United States to 1888 (3) (GE:SO)

HIST 3011. Constitutional History of the United States Since 1888 (3) (GE:SO)

HIST 3031. Economic History of the United States Since 1865 (3) (GE:SO)

HIST 3110. History of African-Americans (3) (GE:SO)

HIST 3121. American Military History to 1900 (3) (GE:SO)

HIST 3122. American Military History Since 1900 (3) (GE:SO)

HIST 3140. Women in American History (3) (F,S) (GE:SO)

HIST 3200. Diplomatic History of the United States (3) (WI\*) (GE:SO)

HIST 3205. History of American Urban Life (3) (GE:SO)

HIST 3210. Colonial American to 1763 (3) (WI\*) (GE:SO)

HIST 3215. American Revolution and the Federal Era, 1763-1800 (3) (WI\*) (GE:SO)

HIST 3225. The Era of Sectionalism and Civil War, 1848-1877 (3) (GE:SO)

HIST 3230. The Birth of Modern America, 1865-1892 (3) (WI\*) (GE:SO)

HIST 3235. The Era of Populism and Progressivism in American History, 1892-1919 (3) (GE:SO)

HIST 3240. The Age of Franklin Roosevelt, 1919-1945 (3) (WI\*) (GE:SO)

HIST 3245. The United States Since 1945 (3) (WI\*) (F) (GE:SO)

HIST 3300. History of American Rural Life (3) (F) (GE:SO)

HIST 3920. Social History of American Medicine (3) (S) (GE:SO)

HIST 5122. Social and Cultural History of the United States Since 1865 (3)

HIST 5125. American Political Development in the Nineteenth Century (3)

HIST 5140. The Old South (3)

HIST 5141. The South Since 1877 (3) (WI\*)

HIST 5220. Selected Topics in US Women's History (3)

HIST 5230. Themes in African-American History (3)

HIST 5520. Maritime History of the Western World Since 1815 (3)

HIST 5960. Introduction to Oral History (3)

### European History:

HIST 3405. History of Ancient Greece to 146 BC (3) (GE:SO)

HIST 3406. War and Society in Ancient Greece and Rome (3) (F) (GE:SO)

HIST 3410. History of Ancient Rome (3) (F) (GE:SO)

HIST 3412. A History of Christianity to 1300 (3) (GE:SO)

HIST 3415. The Middle Ages (3) (F) (GE:SO)

HIST 3420. Early Modern Europe to 1648 (3) (F) (GE:SO)

HIST 3430. History of Europe, 1815-1914 (3) (F) (GE:SO)

HIST 3435. History of Europe Since 1914 (3) (GE:SO)

HIST 3450. History of Modern Germany (3) (F) (GE:SO)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
(GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
(GE:SC)=Science; (GE:SO)=Social Science

SECTION 7: DEGREES

- HIST 3480. English History to 1603 (3) (GE:SO)
- HIST 3481. English History Since 1603 (3) (GE:SO)
- HIST 3487. Constitutional History of England (3) (GE:SO)
- HIST 3550. History of Russia to 1917 (3) (GE:SO)
- HIST 5310. Intellectual History of Europe (3)
- HIST 5350. The Renaissance in European History (3)
- HIST 5360. The Reformation, 1450-1598 (3)
- HIST 5440. Twentieth Century England (3)
- HIST 5450. Tudor-Stuart England (3)
- HIST 5470. History of Soviet Russia Since 1917 (3)
- HIST 5480. Weimar and the Rise of Hitler (3)
- HIST 5505. Maritime History of the Western World to 1415 (3)
- HIST 5515. Maritime History of the Western World, 1415-1815 (3) (WI\*)
- HIST 5555. Constitutionalism and Kingship in Early Modern Europe (3)
- HIST 5660. Imperialism in Theory and Practice, 1800 to the Present (3) (WI\*)
- HIST 5670. A Diplomatic History of Europe, 1815 to the Present (3)

Other World Area History:

- HIST 3610. History of the Far East to 1600 (3) (GE:SO)
- HIST 3611. History of the Far East Since 1600 (3) (GE:SO)
- HIST 3620. History of Modern Japan (3) (F) (GE:SO)
- HIST 3630. History of Modern China (3) (GE:SO)
- HIST 3670. History of the Middle East (3) (WI\*) (GE:SO)
- HIST 3710. Introduction to Latin-American History: Colonial Period (3) (WI\*) (GE:SO)
- HIST 3711. Introduction to Latin-American History: Since 1808 (3) (WI\*) (GE:SO)
- HIST 3780. Mexico and Central America (3) (WI\*) (GE:SO)
- HIST 3810. History of Africa (3) (WI\*) (GE:SO)
- HIST 4610. History of Southeast Asia (3) (GE:SO)
- HIST 5300. Comparative History of Non-Western Civilizations (3) (WI\*)
- HIST 5340. The Ancient Near East (3)
- HIST 5680. Diplomatic History of Modern Asia (3)
- HIST 5765. Latin-America: 1492 to the Present (3) (WI\*)

The following courses vary in content and will be classified according to topic:

- HIST 3005. Selected Topics in History (3) (WI\*) (GE:SO)
- HIST 3333. Biography and History (3) (GE:SO)
- HIST 4531, 4532, 4533. Directed Readings in History (1,2,3) (GE:SO) (P: Consent of dept chair)
- HIST 4550, 4551. Honors (3,3) (FS) (GE:SO)
- HIST 5005. Selected Topics in History (3) (WI\*)
- HIST 5525. Sea Power: 480 BC to the Present (3) (WI\*)

4. Minor and general electives to complete requirements for graduation.

BS in Public History

Minimum degree requirement is 126 s.h. of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) ..... 42 s.h.
- 2. Core ..... 30 s.h.
- HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO)
- HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) (GE:SO)
- HIST 1050. American History to 1877 (3) (WI\*) (F,S,SS) (GE:SO)
- HIST 1051. American History Since 1877 (3) (WI\*) (F,S,SS) (GE:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C, or P/C

HIST 3000. History: Its Nature and Method (3) (WI\*) (FS) (GE:SO) (P: 6 s.h. in HIST)

Choose 15 s.h. of HIST courses above 2999, including a minimum of one course each in American, European, and other world areas. (See BA degree for course area designations.)

**3. Research Skills ..... 3 s.h.**

HIST 5950. Introduction to Quantitative History (2) (P: 20 s.h. of undergraduate history)

HIST 5951. Directed Readings and Research in Quantitative History (1) (P: HIST 5950)

**4. Professional courses ..... 33 s.h.**

HIST 3900. Introduction to Public History (3)

HIST 3993. Approaches to Historical Objects (3)

HIST 5910. Introduction to the Administration of Archives and Historical Manuscripts (3)

HIST 5920, 5921. Techniques of Museum and Historic Site Development (30)

HIST 5985. Historic Preservation Planning (3)

Choose 18 s.h. from:

HIST 3005. Selected Topics in History (3) (WI\*) (GE:SO)

HIST 3130. Problems in American History (3)

HIST 5005. Selected Topics in History (3) (WI\*)

HIST 5122. Social and Cultural History of the United States Since 1865 (3)

HIST 5930, 5931. Field and Laboratory Studies in Museum and Historic Site Development (30)

HIST 5960. Introduction to Oral History (3)

HIST 5970. Living History (3)

**5. Internship (Choose from the following.) ..... 3 s.h.**

HIST 4940, 4941, 4942. Internship in Archives and Historical Records Administration (3,6,9) (FS) (P: Senior standing; minimum cumulative 2.2 GPA; minimum 2.5 GPA in HIST; consent of instructor)

HIST 4943, 4944, 4945. Internship in Museum Administration (3,6,9) (FS) (P: Senior standing; minimum cumulative 2.2 GPA; minimum 2.5 GPA in HIST; consent of instructor)

HIST 4946, 4947, 4948. Internship in Historic Site Administration (3,6,9) (FS) (P: Senior standing; minimum cumulative 2.2 GPA; minimum 2.5 GPA in HIST; consent of instructor)

**6. Cognates (Choose from the following.) ..... 9 s.h.**

AMID 2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (WI) (S)

AMID 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (WI) (F)

ANTH 2000. Archaeology Around the World (3) (FS) (GE:SO)

ANTH 3077. Archaeological Methods (3) (S) (P: ANTH 2000 or consent of instructor)

ART 1906. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)

ART 1907. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)

ART 2905. Masterpieces and Ideas in the History of Art (3) (GE:FA)

ART 5900. Art of the United States (3) (P: ART 1906, 1907)

ENGL 3870. Introduction to Editing and Abstracting (3) (FS) (P: ENGL 1200)

PLAN 3000. Urban Planning (3) (FSS)

**7. Electives to complete requirements for graduation.**

### Social Studies Teacher Licensure

A person wishing to meet the requirements for licensure in social studies, grades 9-12, must obtain the BS degree in history and take required and elective cognate courses in anthropology economics, geography, political science, psychology, and sociology.

### BS in History, Secondary Education

See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **128 s.h.** of credit as follows:

**1. General education and special requirements for Licensure (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science



## SECTION 7: DEGREES

COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

Choose a literature course

May count cognates in 4., below, that also meet general education requirements

**2. Foreign language through level 1004 ..... 12 s.h.**

**3. Core ..... 33 s.h.**

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 1050. American History to 1877 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 1051. American History Since 1877 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 3000. History: Its Nature and Method (3) (WI\*) (F,S) (GE:SO) (P: 6 s.h. in HIST)

HIST 5135. Problems in North Carolina History (3) (WI\*) (P: HIST 1050, 1051; or consent of instructor)

Choose electives above 2999

**4. Cognates (May count toward the general education social science requirement.) ..... 27 s.h.**

ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (GE:SO) or ANTH 2010. Societies Around the World (3)

(F,S,SS) (GE:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)

ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)

GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (GE:SO) or GEOG 2110. World Geography:

Less Developed Regions (3) (F,S,SS) (GE:SO)

POLS 1010. National Government (3) (F,S,SS) (GE:SO)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

Choose one GEOG course above 2999

Choose one POLS course above 2999

**5. Professional courses ..... 26 s.h.**

EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)

EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)

EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division)

or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)

HIST 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: 6 s.h. in HIST and 6 s.h. from other social sciences)

HIST 4323. The Teaching of Social Studies in High School (3) (F)

HIST 4324. Internship in Social Studies (10) (S) (P: Admission to upper division; C: HIST 4325)

HIST 4325. Internship Seminar: Issues in Social Studies Education (0) (S) (P: Admission to upper division; C: HIST 4324)

READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)

SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

**6. Electives to complete requirements for graduation.**

### History Minor

The minor requires **24 s.h.** credit. History courses used for the minor may not be counted toward history major.

**1. Required HIST courses (Choose from the list below.) ..... 9 s.h.**

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 1050. American History to 1877 (3) (WI\*) (F,S,SS) (GE:SO)

HIST 1051. American History Since 1877 (3) (WI\*) (F,S,SS) (GE:SO)

**2. HIST electives above 2999 (excluding HIST 3100) ..... 15 s.h.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P/C, or P/C

## Public History Minor

The minor requires **24 s.h.** credit. History courses used for the minor may not be counted toward history major.

- 1. Required HIST courses ..... 6 s.h.**  
 HIST 3900. Introduction to Public History (3) (F)  
 HIST 3993. Approaches to Historical Objects (3)
- 2. HIST electives (Choose from the following.) ..... 9 s.h.**  
 HIST 4940, 4941, 4942. Internship in Archives and Historical Records Administration (3,6,9) (P: Senior standing; minimum cumulative 2.2 GPA; minimum 2.5 GPA in HIST; consent of instructor)  
 HIST 4943, 4944, 4945. Internship in Museum Administration (3,6,9) (P: Senior standing; minimum cumulative 2.2 GPA; minimum 2.5 GPA in HIST; consent of instructor)  
 HIST 4946, 4947, 4948. Internship in Historic Site Administration (3,6,9) (P: Senior standing; minimum cumulative 2.2 GPA; minimum 2.5 GPA in HIST; consent of instructor)  
 HIST 5910. Introduction to the Administration of Archives and Historical Manuscripts (3)  
 HIST 5920, 5921. Techniques of Museum and Historic Site Development (3,0)  
 HIST 5930, 5931. Field and Laboratory Studies in Museum and Historic Site Development (3,0)  
 HIST 5960. Introduction to Oral History (3)  
 HIST 5970. Living History (3)  
 HIST 5985. Historic Preservation Planning (3)
- 3. Cognates ..... 9 s.h.**  
 AMID 2700. Historic Interiors I (3)  
 AMID 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (VI) (F)  
 ANTH 2000. Archaeology Around the World (3) (FS) (GE:SO)  
 ART 1906. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)  
 ART 1907. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)  
 ART 2905. Masterpieces and Ideas in the History of Art (3) (GE:FA)  
 ART 5900. Art of the United States (3) (P: ART 1906, 1907)  
 ENGL 3870. Introduction to Editing and Abstracting (3) (FS) (P: ENGL 1200)  
 PLAN 3000. Urban Planning (3) (FSS)

## History Honors Program

A student desiring to enter the honors program in history must be a second semester junior majoring in history; possess a minimum cumulative and major 3.0 GPA; and have a minimum of 20 s.h. in history (exceptions may be made at the discretion of the dept chair). Furthermore, a student engaged in the history honors program shall be enrolled as a part of the regular curriculum in HIST 4550 and 4551, starting the sequence the spring semester of the junior year and concluding at the end of the first semester of the senior year. Upon completion of the two courses, the student will receive 6 s.h. credit in advanced history.

Each honors scholar will carry out an extensive program of carefully supervised reading and research in one of nine areas of history: Colonial America; Nineteenth-Century America; Twentieth-Century America; Ancient and Medieval; Europe, 1500-1815; Europe, 1815 to Present; Asia; Latin America; Africa.

A history honors award is given annually to the history honors program student who completes and defends the most outstanding honors paper.

## DEPARTMENT OF MATHEMATICS

*Paul Dowell, Acting Chairperson, 129 Austin Building*

## Admission Requirements

Students enrolled at East Carolina University or transferring from other institutions may be considered for admission to the Department of Mathematics as a mathematics major provided the following departmental requirements are met. To elect mathematics as a major, the student must have a minimum cumulative 2.0 GPA, or a minimum 2.5 GPA for mathematics

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

SECTION 7: DEGREES

teacher education major, and a minimum grade of C in all mathematics courses taken below the 3000 level.

Readmission

Students previously admitted to the Department of Mathematics who have been out of school more than three academic years and students who were previously enrolled in the university but not admitted to the department must meet the requirements outlined in the section above.

Students applying for readmission to the university who were previously admitted to the Department of Mathematics and who have been out of school no more than three academic years must have a minimum 2.0 GPA to be eligible for readmission to the department.

Second Degree Students

Students who hold a baccalaureate degree qualify for admission to the Department of Mathematics upon admission to the university

BA in Mathematics

Credit toward a mathematics major will not be given in any MATH course or in CSCI 2600 with a grade less than C. The degree offers three concentration areas: mathematics, computer science, and statistics. The mathematics concentration requires a minor and the computer science and statistics concentrations require specified cognates in lieu of a minor. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) ..... 42 s.h.
- 2. Foreign language through level 1004 (preferably French, German, or Russian) ..... 12 s.h.
- 3. Common core ..... 27 s.h.
  - MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (GE:MA) (P for 2171: MATH 1083 or 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2171 or 2122 with consent of instructor; P for 2173: MATH 2172)
  - MATH 3256. Linear Algebra (3) (F,S,SS) (P: MATH 2172)
  - MATH 3263. Introduction to Modern Algebra (3) (WI) (F,S) (P: MATH 3256)
  - MATH 3307. Mathematical Statistics I (3) (F,S) (P: MATH 2172)
  - MATH 4331. Introduction to Ordinary Differential Equations (3) (F,S) (P: MATH 2173)
  - MATH 5101. Advanced Calculus I (3) (P: MATH 2173 or consent of instructor)
- 4. Concentration area to include minor or specified cognates as listed below. (Choose one area.) ..... 30-39 s.h.
  - Computer Science (34 s.h.):**
    - CSCI 3573. Introduction to Numerical Analysis (3) or MATH 5121. Numerical Analysis in One Variable (3) or MATH 5122. Numerical Analysis in Several Variables (3) (P: MATH 3256, 4331)
    - Choose 6 s.h. of MATH electives numbered above 2999, excluding MATH 3229, 3237, 3239, 4323, 4324, 4325, 5251, 5265, 5266, 5267, 5268
    - Cognates (25 s.h.):
      - CSCI 2510. Introduction to Computer Science I (3) (F,S,SS) (P: MATH 1065 or 1066)
      - CSCI 2610, 2611. Introduction to Computer Science and Laboratory II (4,0) (F,S,SS) (P: CSCI 2510; C for 2610: CSCI 2611; C for 2611: CSCI 2610)
      - CSCI 3510. Data Structures (3) (F,S,SS) (P: CSCI 2610; P/C: MATH 2427)
      - CSCI 3601. Computer Organization and Programming (3) (F,S) (P: CSCI 3510 or 3526)
      - CSCI 3650. Analysis of Algorithms (3) (S,SS) (P: CSCI 3510; MATH 2427)
      - MATH 2427. Discrete Mathematical Structures (3) (F,S) (P: MATH 1065 or 1066)
    - Choose 6 s.h. from:
      - CSCI 3526. Switching Theory and Computer Organization (3) (F,SS) (P: CSCI 2610; MATH 2427)
      - CSCI 3675. Organization of Programming Language (3) (F,SS) (P: CSCI 3510)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

CSCI 3700. Database Management Systems (3) (F) (P: CSCI 2618 or 3510)  
 CSCI 3800. Introduction to Computer Graphics (3) (F) (P: MATH 3256 or 3584; CSCI 3510)  
 CSCI 4200. Software Design and Development (3) (VI) (F,S) (P: CSCI 3510; CSCI major)  
 CSCI 4520. Introduction to Computer Architecture (3) (S) (P: CSCI 3526, 3601; CSCI major)  
 CSCI 4627. Procedural Languages and Compilers (3) (S) (P: CSCI 3601, 3675; CSCI major)  
 CSCI 4630. Operating Systems I (3) (S,SS) (P: CSCI 3601; CSCI major)  
 MATH 4332. The Calculus of Finite Differences (3) (P: MATH 2173)

### Mathematics (33-39 s.h.):

CSCI 2600. Introduction to Digital Computation (3) (S) (P: MATH 1065 or 1066)  
 Choose 6 s.h. of MATH electives numbered above 2999, excluding MATH 3229, 3237, 3239, 4323, 4324, 4325, 5251, 5265, 5266, 5267, 5268  
 Minor (24-30 s.h.)

### Statistics (30 s.h.):

CSCI 2600. Introduction to Digital Computation (3) (S) (P: MATH 1065 or 1066)  
 Choose 9 s.h. of MATH electives numbered above 2999, excluding MATH 3229, 3237, 3239, 4323, 4324, 4325, 5251, 5265, 5266, 5267, 5268, and excluding cognates listed below.

Cognates (18 s.h.):

CSCI 5774. Programming for Research (3) (FS) (P: General course in statistics or consent of instructor)  
 MATH 3308. Mathematical Statistics II (3) (F) (P: MATH 3307)  
 MATH 5031. Applied Statistical Analysis (3) (VI) (P: MATH 2228 or 3308; 3584; or equivalent)  
 MATH 5801. Probability Theory (3) (P: MATH 2173 or 3307)  
 Choose 6 s.h. from:  
 BIOS 3501. Experimental Design I (3) (P: Consent of instructor)  
 BIOS 4371, 4372, 4373. Statistical Consulting I, II, III (111) (P: BIOS 3501 or equivalent or consent of instructor)  
 BIOS 5450. Applied Multivariate Analysis (3) (P: BIOS 3501; MATH 3256; or equivalent or consent of instructor)  
 BIOS 5500. Nonparametric Statistical Methods (3) (P: BIOS 3501 or consent of instructor)  
 BIOS 5575. Introduction to Survivorship Analysis (3) (P: MATH 3256, 3308; or consent of instructor)  
 DSCI 4493. Statistical Quality Control (3) (F) (P: MATH 2228 or 2283 or equivalent)  
 ECON 3343. Econometrics (3) (FS) (GE:SO) (P: DSCI 2223 or CSCI 2600; ECON 2133; MATH 2283)  
 ECON 4430. Business Cycles and Forecasting (3) (P: ECON 3244, 3343; or consent of instructor)  
 MATH 4201. Introduction to Stochastic Processes (3) (S) (P: MATH 3307 or equivalent or consent of instructor)  
 MATH 5000. Introduction to Sampling Design (3) (P: MATH 3308 or 3229 or consent of instructor)  
 MATH 5132. Probabilistic Methods in Operations Research (3) (P: MATH 2173, 3256, 3307; or 5801)

## 5. Electives to complete requirements for graduation.

### BS in Mathematics, Secondary Education

Credit toward a mathematics major will not be given in any MATH course with a grade less than C. See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

#### 1. General education plus special requirements for licensure (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

PHIL 1500. Introduction to Logic (3) (F,S,SS) (GE:HU) (GE:MA) (to be counted toward the humanities requirement)

#### 2. Core ..... 36 s.h.

MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (GE:MA) (P for 2171: MATH 1083 or 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2171 or 2122 with consent of instructor; P for 2173: MATH 2172)  
 MATH 2775. Topics in Discrete Mathematics (3) (FS) (P: MATH 1085)  
 MATH 2935. Data Analysis (3) (FS) (P: MATH 1085)  
 MATH 3233. College Geometry (3) (F) (P: MATH 2171)  
 MATH 3256. Linear Algebra (3) (F,S,SS) (P: MATH 2172)  
 MATH 3263. Introduction to Modern Algebra (3) (VI) (F,S,SS) (P: MATH 3256)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

MATH 3307. Mathematical Statistics I (3) (FS) (P: MATH 2172)

MATH 5322. Foundations of Mathematics (3) (VI) (P: MATH 3233, 3263; or equivalent)

Choose 3 s.h. of electives from MATH courses numbered above 2999, excluding MATH 3229, 5265, 5266, 5267, 5268

### 3. Professional courses ..... 31 s.h.

EDUC 3200. Introduction to American Education (3) (WI\*) (FS,SS) (P: Early experience course or consent of instructor)

EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (P: Admission to upper division)

MATH 2123. Early Experiences for the Prospective Teacher (1) (FS) (P: MATH 2171)

MATH 3004. Seminar in Secondary Mathematics Curriculum–Algebra (1) (S) (P: MATH 2123)

MATH 3005. Seminar in Secondary Mathematics Curriculum–Geometry (1) (F) (P: MATH 2123; C: MATH 3233)

MATH 3006. Seminar in Secondary Mathematics Curriculum–Advanced Mathematics (1) (S) (P: MATH 3004, 3005)

MATH 4001. Technology in Secondary Mathematics Education (3) (F) (P: Admission to upper division; MATH 2775, 2935; C: MATH 4323)

MATH 4323. The Teaching of Mathematics in High School (3) (F) (P: MATH 2123)

MATH 4324. Internship in Mathematics (10) (S) (P: Admission to upper division; MATH 4323; C: MATH 4325; READ 3990)

MATH 4325. Internship Seminar: Issues in Mathematics Education (1) (S) (P: Admission to upper division; MATH 4323; C: MATH 4324)

READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (FS,SS)

SPED 4010. Exceptional Students in the Regular Classroom (2) (FS) (RP: SPED 2000)

### 4. Electives to complete requirements for graduation.

#### Mathematics Minor

Minimum requirement for mathematics minor is **24 s.h.** of credit as follows:

#### 1. Core ..... 18 s.h.

MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (FS,SS) (GE:MA) (P for 2171: MATH 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2171 or 2122 with consent of instructor; P for 2173: MATH 2172)

MATH 3256. Linear Algebra (3) (FS,SS) (P: MATH 2172)

MATH 3263. Introduction to Modern Algebra (3) (VI) (FS) (P: MATH 3256) or MATH 5101. Advanced Calculus I (3) (F) (P: MATH 2173 or consent of instructor)

#### 2. Electives acceptable for a BA major in mathematics ..... 6 s.h.

#### Statistics Minor

(Not open to majors in Mathematics)

Minimum requirement for statistics minor is **26 s.h.** of credit as follows:

#### 1. Core ..... 23 s.h.

CSCI 5774. Programming for Research (3) (P: General course in statistics or consent of instructor)

MATH 2171, 2172. Calculus I, II (4,4) (FS,SS) (GE:MA) (P for 2171: MATH 1083 or 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2171 or 2122 with consent of instructor; P for 2173)

MATH 3256. Linear Algebra (3) (FS,SS) (P: MATH 2172)

MATH 3307. Mathematical Statistics I (3) (FS) (P: MATH 2172)

MATH 3308. Mathematical Statistics II (3) (F) (P: MATH 3307)

MATH 5031. Applied Statistical Analysis (3) (VI) (P: MATH 2228 or 3308; 3584; or equivalent)

#### 2. Electives (Choose from the following.) ..... 3 s.h.

BIOS 3501. Experimental Design I (3) (P: Consent of instructor)

BIOS 4371, 4372, 4373. Statistical Consulting I, II, III (1,1,1) (P: BIOS 3501 or equivalent or consent of instructor)

BIOS 5450. Applied Multivariate Analysis (3) (P: BIOS 3501; MATH 3256; or equivalent or consent of instructor)

BIOS 5500. Nonparametric Statistical Methods (3) (P: BIOS 3501 or consent of instructor)

BIOS 5575. Introduction to Survivorship Analysis (3) (P: MATH 3256, 3308; or consent of instructor)

DSCI 4493. Statistical Quality Control (3) (F) (P: MATH 2283 or 3228 or equivalent)

ECON 3343. Econometrics (3) (FS) (GE:SO) (P: DSCI 2223 or CSCI 2600; ECON 2133; MATH 2283)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

ECON 4430. Business Cycles and Forecasting (3) (GE:SO) (P: ECON 3244, 3343; or consent of instructor)  
MATH 4201. Introduction to Stochastic Processes (3) (S) (P: MATH 3307 or equivalent or consent of instructor)  
MATH 5000. Introduction to Sampling Design (3) (P: MATH 3308 or 3229 or consent of instructor)  
MATH 5132. Probabilistic Methods in Operations Research (3) (P: MATH 2173, 3256, 3307; or 5801; CSCI 2600 or an equivalent knowledge of PASCAL or PL/1)  
MATH 5801. Probability Theory (3) (P: MATH 2173 or 3307)

### Mathematics Honors Program

The mathematics honors program is open to students with exceptional mathematical ability who have completed MATH 2173. Acceptance in the program entitles the student to register for MATH 3550, 3551, 4550, 4551.

## DEPARTMENT OF PHILOSOPHY

*George Bailey, Chairperson, A-327 Brewster Building*

### BA in Philosophy

Minimum degree requirement is **126 s.h.** of credit as follows:

1. **General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.)** ..... **42 s.h.**
2. **Foreign language through level 1004** ..... **12 s.h.**
3. **Core** ..... **30 s.h.**

Choose a minimum of 12 s.h. of PHIL above 2999

The department encourages majors to enroll in junior-senior courses as soon as they are eligible.

4. **Minor and electives to complete requirements for graduation.**

### Philosophy Minor

The philosophy minor requires 24 s.h. credit. While there are no required courses, a minimum of 9 s.h. of the 24 s.h. must be above PHIL 2999.

### Philosophy Honors Program

The purpose of junior-senior honors in philosophy is to encourage independent research and scholarship and to give students an opportunity to better prepare themselves for graduate study. Under the direction of one member of the department, a student enrolled in this program (PHIL 3550, 4550) carries on studies (as based on a reading list), prepares for a comprehensive examination at the end of the junior year, and writes a thesis during the first semester of the senior year. Students who have an interest in this program should come to the departmental office in A-327 Brewster Building for details.

## DEPARTMENT OF PHYSICS

*John Sutherland, Chairperson, N-209 Howell Science Complex*

### Proficiency Requirements

A minimum grade of C in PHYS 2350 and 2360 is required before a student may take any physics course for which PHYS 2360 is prerequisite.

### BA in Physics

The BA is designed for students interested in employment in nontechnical fields or in graduate study in the social sciences, business, and the humanities depending on elective choices. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree programs), including those listed below** ..... **42 s.h.**  
MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or equivalent

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
(GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
(GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

- 2. Foreign language through level 1004 ..... 12 s.h.**
- 3. Core ..... 19 s.h.**  
PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2360)  
PHYS 2350, 2360. University Physics (4,4) (GE:SC) (C for 2350: MATH 2121 or 2171; P for 2360: PHYS 2350)  
PHYS 3700, 3701. Advanced Laboratory (30) (3700:WI) (S) (P: PHYS 2360)  
PHYS 4416. Modern Physics I (3) (F) (P: PHYS 2360)  
PHYS 4417. Modern Physics II (3) (S) (P: PHYS 4416)
- 4. Cognates ..... 17 s.h.**  
MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C)  
MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (GE:MA) (P for 2171: MATH 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2122 with a minimum grade of C or MATH 2171; P for 2173: MATH 2172)
- 5. Minor and electives to complete requirements for graduation.**

### BS in Physics

The BS is a traditional physics program designed for students interested in graduate study in physics or engineering. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
CHEM 1150, 1151. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)  
CHEM 1160, 1161. General Chemistry and Laboratory II (31) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)  
MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or equivalent
- 2. Core ..... 40 s.h.**  
PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2360)  
PHYS 2350, 2360. University Physics (4,4) (GE:SC) (C for 2350: MATH 2121 or 2171; P for 2360: PHYS 2350)  
PHYS 3700, 3701. Advanced Laboratory (30) (3700:WI) (F) (P: PHYS 2360)  
PHYS 4120. Thermodynamics (3) (S-OY) (P: PHYS 2360)  
PHYS 4226. Mechanics I (3) (F) (P: MATH 2173; PHYS 2360)  
PHYS 4310. Modern Optics (3) (F-EY) (P: PHYS 2360)  
PHYS 4326. Electricity and Magnetism I (3) (F) (P: PHYS 2360)  
PHYS 4416. Modern Physics I (3) (F) (P: PHYS 2360)  
PHYS 4417. Modern Physics II (3) (S) (P: PHYS 4416)  
PHYS 4560. Mathematical Methods for Physics (3) (S) (P: MATH 2173; PHYS 2360)  
PHYS 4610. Electronics (3) (F-OY) (P: PHYS 2021, 2360)  
Choose 3 s.h. of PHYS electives above 2999
- 3. Cognates ..... 20 s.h.**  
MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C)  
MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (GE:MA) (P for 2171: MATH 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2122 with a minimum grade of C or MATH 2171; P for 2173: MATH 2172)  
MATH 4331. Introduction to Ordinary Differential Equations (3) (F,S) (P: MATH 2173)
- 4. Electives to complete requirements for graduation.**  
(Preengineering students should see Section 6, Undergraduate Studies: Preprofessional and Two-Year Curricula: Two-Year Engineering Curriculum.)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**BSAP (BS in Applied Physics)**

The BSAP is designed for students interested in employment in technical fields or in graduate study in engineering, business, public health, medicine, environmental science, and related technical fields depending on elective choices. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
 CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)  
 CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or equivalent
- 2. Core ..... 28 s.h.**  
 PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)  
 PHYS 2350, 2360. University Physics (4,4) (GE:SC) (C for 2350: MATH 2121 or 2171; P for 2360: PHYS 2350)  
 PHYS 3700, 3701. Advanced Laboratory (3,0) (3700:WI) (F) (P: PHYS 2360)  
 PHYS 4310. Modern Optics (3) (P: PHYS 2360)  
 PHYS 4416. Modern Physics I (3) (F) (P: PHYS 2360)  
 PHYS 4417. Modern Physics II (3) (S) (P: PHYS 4416)  
 PHYS 4610. Electronics (3) (F-OY) (P: PHYS 2021, 2360)  
 Choose 3 s.h. of PHYS electives above 2999
- 3. Cognates ..... 20 s.h.**  
 MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C)  
 MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (GE:MA) (P for 2171: MATH 1085 or 2122 with a minimum grade of C; P for 2172: MATH 2122 with a minimum grade of C or MATH 2171; P for 2173: MATH 2172)  
 MATH 4331. Introduction to Ordinary Differential Equations (3) (F,S) (P: MATH 2173)
- 4. Electives to complete requirements for graduation.**  
 (Preengineering students should see Section 6, Undergraduate Studies: Preprofessional and Two-Year Curricula: Two-Year Engineering Curriculum.)

**Physics Minor**

Minimum requirement for physics minor is **24 s.h.** credit as follows:

- 1. Core ..... 10 s.h.**  
 PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)  
 PHYS 2350, 2360. University Physics (4,4) (GE:SC) (C for 2350: MATH 2121 or 2171; P for 2360: PHYS 2350)
- 2. PHYS electives above 2999 ..... 14 s.h.**

**Bachelor of Science and Accelerated MS in Physics**

Students working toward a BS degree in physics have the opportunity to earn an MS degree in two or three additional semesters of study. These students are encouraged to begin research projects as undergraduates and take advanced classes that can be used to waive some MS course requirements. As seniors they may be granted early admission to the MS program and would be eligible to receive paid teaching assistantships. To be enrolled in the MS program as a senior, students must be within 6 s.h. credit of completing all undergraduate degree requirements. Applications to the MS program should be submitted during the first semester of the senior year and must include GRE scores.



## SECTION 7: DEGREES

### DEPARTMENT OF POLITICAL SCIENCE

*Richard C. Kearney, Chairperson, A-124 Brewster Building*

#### BA in Political Science

Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.)** ..... **42 s.h.**
- 2. Foreign language through level 1004** ..... **12 s.h.**
- 3. Core** ..... **36 s.h.**

POLS 1010. National Government (3) (F,S,SS) (GE:SO)

POLS 2010. Introduction to Comparative Government and Politics (3) (WI) (F,S) (GE:SO)

POLS 2020. Introduction to International Relations (3) (F,S) (GE:SO)

Choose one from the following:

POLS 2070. Introduction to Political Theory (3) (F,S) (GE:SO)

POLS 3031. Introduction to Behavioral Methodology (3) (F) (GE:SO)

POLS 3370. American Political Thought (3) (S) (GE:SO)

POLS 4371. Western Political Thought I: Moses to Montesquieu (3) (RP: POLS 2070)

POLS 4373. Western Political Thought II: Rousseau to Camus (3) (F) (RP: POLS 2070)

Choose a minimum of 24 s.h. of POLS above 2999 to total 36 s.h.

- 4. Minor and electives to complete requirements for graduation.**

#### BS in Political Science

Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.)** ..... **42 s.h.**
- 2. Core:** Specific required courses and elective courses in each of the following categories, with a minimum of 27 s.h. above 2999. (Courses may count for only one category. No course counted for the major may count for the minor. 12 s.h. are free POLS electives. A maximum of 6 s.h. from POLS 4501, 4502, 4521, 4522, 4981, 4982, 4991, 4992 may count toward any degree program offered by the political science department.) ..... **48 s.h.**

##### **American Government and Politics (9 s.h.):**

POLS 1010. American National Government (3) (F,S,SS) (GE:SO)

POLS 3240. State and Local Government (3) (F,S) (GE:SO)

Choose 3 s.h. from:

POLS 3033. Voting Behavior and Public Opinion (3) (F)

POLS 3035. American Political Parties and Politics (3) (F)

POLS 3039. Black Politics in America (3) (F)

POLS 3040. Women in Politics (3) (P: POLS 1010 or consent of instructor)

POLS 3202. The American Legislature (3) (S)

POLS 3203. The American Executive (3) (F)

POLS 3204. The American Judiciary (3) (F)

POLS 3223. Constitutional Powers (3) (S)

POLS 3224. Civil Liberties (3) (S)

POLS 3241. Urban Political Systems (3) (S)

POLS 3243. Comparative State Politics (3) (SS)

POLS 4321. Contemporary Southern Politics (3) (S)

POLS 5000. American Government and Politics (3)

##### **Comparative Government and International Politics (9 s.h.):**

POLS 2010. Introduction to Comparative Government and Politics (3) (WI) (F,S) (GE:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

POLS 2020. Introduction to International Relations (3) (FS) (GE:SO)

Choose 3 s.h. from:

POLS 3144. American Foreign Policy (3) (S) (RP: POLS 2020)

POLS 3234. West European Political Systems (3) (F)

POLS 3235. East European Political Systems (3) (F)

POLS 3236. The Soviet Successor States (3) (S)

POLS 3265. African Political Systems (3) (S)

POLS 3270. Latin American Political Systems (3) (S)

POLS 3280. South Asian Political Systems (3) (SS)

POLS 3290. Conflict and Peace in the Post-Cold War Era (3) (S)

POLS 3293. International Organizations (3) (F)

POLS 3295. International Law (3) (S) (P: POLS 2020 or consent of instructor)

POLS 4000. Political Leadership (3) (S) (P: 12 s.h. in POLS or consent of instructor)

POLS 4107. Topics in Comparative Politics (3) (S) (P: 12 s.h. in comparative government or politics or consent of instructor)

POLS 4360. Politics of Developing Areas (3) (F)

POLS 4380. Topics in International Politics (3) (F) (P: POLS 2020 or consent of instructor)

POLS 4383. War in the Modern Age (3) (F)

### **Political Theory, Methods, and Skills (9 s.h.):**

POLS 2000. Computer Applications for Political Science (3) (FS)

POLS 3031. Introduction to Behavioral Methodology (3) (F)

Choose 3 s.h. from:

POLS 2070. Introduction to Political Theory (3) (FS) (GE:SO)

POLS 3370. American Political Thought (3) (S) (GE:SO)

POLS 4371. Western Political Thought 1: Moses to Montesquieu (3) (S) (RP: POLS 2070)

POLS 4373. Western Political Thought 2: Rousseau to Camus (3) (F) (RP: POLS 2070)

### **Public Administration and Public Policy (9 s.h.):**

POLS 3252. Public Administration (3) (SS)

POLS 3255. Domestic Public Policy (3) (S)

Choose 3 s.h. from:

POLS 3041. Women and Public Policy (3) (S) (P: POLS 1010 or consent of instructor)

POLS 3242. Municipal Policy and Administration (3) (F)

POLS 3253. Government Fiscal Administration (3) (S) (RP: POLS 3241)

POLS 3254. Governmental Personnel Administration (3) (S) (RP: POLS 1010 or consent of instructor)

POLS 3256. Environmental Politics (3) (F)

POLS 3257. International Environmental Policy (3) (S) (P: POLS 3256 or consent of instructor)

POLS 4310. Public Policy and the Media (3) (S)

### **Electives in Political Science (12 s.h.)**

Choose 12 s. h. from any of the fields above and from the following:

POLS 3011. Political Issues (3)

POLS 3012. Politics Through Film (3) (S) (GE:SO)

POLS 3013. Decision Making in the United Nations (3) (F) (GE:SO)

### **Independent Study, Directed Readings, Internships, and Honors:**

Choose a maximum of 6 s.h. from one of the following course groups:

POLS 4501, 4502. Independent Study in Political Science (1,2) (VI, VI) (F,SS) (P: Consent of dept chair)

POLS 4521, 4522. Directed Readings in Political Science (1,2) (F,SS) (P: Consent of dept chair)

POLS 4981, 4982. Internship in Practical Politics (1,2) (F,SS)

POLS 4991. Internship in Public Administration (1) (F,SS) and 4992. Internship in Public Administration (2) (F,SS)  
(only 3 hours of internships will count toward degree; see dept. chair for possible waiver to 6 hours)

## SECTION 7: DEGREES

Or choose a maximum of 6 s.h. of honors from:

POLS 4551. Honors (3) (WI) (F,S,SS) (Open to POLS majors who have been invited to participate in the Honors Program)

POLS 4552. Honors (3) (WI) (F,S,SS) (Open only to POLS majors who have a minimum grade of B in POLS 4551)

### 3. Cognates (Choose from the following.) ..... 6 s.h.

ENGL 3810. Advanced Composition (3) (F,S,SS) or ENGL 3820. Scientific Writing (3) (F,S,SS) or ENGL 3860.

Introduction to Nonfiction Writing (3) (F,S) or ENGL 3880. Writing for Business and Industry (3) (F,S,SS)

MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

### 4. Minor ..... 24 s.h.

Communication; computer science; decision sciences; economics; ethnic studies; geography; history; industrial technology; information processing; international studies; recreation and leisure studies; military science; planning; psychology; public history; sociology; statistics; women's studies; or any other appropriate minor with consent of the dept chair.

### Public Administration Minor

Minimum requirement for public administration minor is **27 s.h.** credit. Courses counted toward this minor may not count toward the requirements for a major in political science.

#### 1. Core ..... 9 s.h.

MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)

POLS 2000. Computer Applications for Political Science (3) (F,S) (GE:SO)

POLS 3252. Public Administration (GE:SO)

#### 2. Electives (Choose from the following.) ..... 18 s.h.

PLAN 3000. Urban Planning (3) (F,SS)

POLS 3031. Introduction to Behavioral Methodology (3) (S) (GE:SO)

POLS 3041. Women and Public Policy (3) (GE:SC) (P: POLS 1010 or consent of instructor)

POLS 3202. The American Legislature (3) (F) (GE:SO)

POLS 3203. The American Executive (3) (S) (GE:SO)

POLS 3204. The American Judiciary (3) (F) (GE:SO)

POLS 3241. Urban Political Systems (3) (S)

POLS 3242. Municipal Policy and Administration (3)

POLS 3243. Comparative State Politics (3) (SS)

POLS 3253. Government Fiscal Administration (3) (S) (RP: POLS 1010)

POLS 3254. Governmental Personnel Administration (3) (RP: POLS 3252 or consent of instructor)

POLS 3255. Domestic Public Policy (3) (S)

POLS 3256. Environmental Politics (3) (F)

POLS 3257. International Environmental Policy (3) (S)

POLS 4310. Public Policy and the Media (3) (S) (GE:SO)

POLS 4991. Internship in Public Administration (1) (F,S,SS) (P: Consent of instructor)

POLS 4992. Internship in Public Administration (2) (F,S,SS) (P: Consent of instructor)

PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)

### Political Science Minor

Minimum requirement for political science minor is **24 s.h.** credit as follows:

#### 1. Core ..... 9 s.h.

POLS 1010. National Government (3) (F,S,SS) (GE:SO)

POLS 2010. Introduction to Comparative Government and Politics (3) (WI) (F,S,SS) (GE:SO)

POLS 2020. Introduction to International Relations (3) (F,S,SS) (GE:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

- 2. Choose from the following ..... 3 s.h.**  
 POLS 2070. Introduction to Political Theory (3) (FS) (GE:SO)  
 POLS 3031. Introduction to Behavioral Methodology (3) (S) (GE:SO)  
 POLS 3370. American Political Thought (3) (S) (GE:SO)  
 POLS 4371. Western Political Thought I: Moses to Montesquieu (3) (RP: POLS 2070)  
 POLS 4373. Western Political Thought II: Rousseau to Camus (3) (F) (RP: POLS 2070)
- 3. POLS electives above 2999 ..... 12 s.h.**

### Comparative Government and International Relations Minor

Minimum requirement for comparative government and international relations minor is **24 s.h.** of credit. Courses counted toward this minor may not count toward the requirements for a major in political science.

- 1. Core ..... 6 s.h.**  
 POLS 2010. Introduction to Comparative Government and Politics (3) (WI) (FS,SS) (GE:SO)  
 POLS 2020. Introduction to International Relations (3) (FS,SS) (GE:SO)
- 2. Electives (Choose from the following.) ..... 18 s.h.**  
 POLS 3144. American Foreign Policy (3) (S) (RP: POLS 2020)  
 POLS 3234. West European Political Systems (3) (F) (GE:SO)  
 POLS 3235. East European Political Systems (3) (S) (GE:SO)  
 POLS 3236. The Soviet Successor States (3) (F) (GE:SO)  
 POLS 3257. International Environmental Policy (3) (S)  
 POLS 3265. African Political Systems (3) (S) (GE:SO)  
 POLS 3270. Latin-American Political Systems (3) (S)  
 POLS 3293. International Organizations (3)  
 POLS 3295. International Law (3) (P: POLS 2020 or consent of instructor)  
 POLS 4107. Topics in Comparative Politics (3) (S) (P: 12 s.h. in comparative government and politics courses or consent of instructor)  
 POLS 4360. Politics of Developing Areas (3) (GE:SO)  
 POLS 4380. Topics in International Politics (3) (F) (P: POLS 2020 or consent of instructor)  
 POLS 4383. War in the Modern Age (3)

### Political Science Honors Program

Participation in the honors program is by invitation only and is limited to seniors who have obtained a minimum cumulative 3.5 GPA. A minimum grade of B on POLS 4551 is a prerequisite for admission to POLS 4552. Students completing both segments of the program with a minimum grade of B earn the recognition honors in political science on their academic records and are regarded as the most accomplished scholars among all political science majors.

### DEPARTMENT OF PSYCHOLOGY

*Michael Brown, Interim Chairperson, 115 Rawl Building*

### BA in Psychology

In order to declare a major in psychology, an undergraduate must have a minimum cumulative GPA of 2.0. A faculty adviser will be assigned to each student to aid in planning an overall program. A student desiring to minor in psychology should consult the major department faculty adviser or the chairperson of the Department of Psychology to determine the most appropriate sequence of courses for the minor. Undergraduate students majoring in psychology are encouraged to minor in biology, business, chemistry, child development and family relations, mathematics, philosophy, or sociology or to take a composite minor approved by the faculty adviser and chairperson. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or equivalent or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

**2. Foreign language through level 1004 ..... 12 s.h.**

**3. Core ..... 35 s.h.**

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO) or PSYC 1060. Honors Introduction to Psychology (3) (F,S) (GE:SO)

PSYC 2101. Psychological Statistics (4) (F,S,SS) (GE:SO) (P: MATH 1065 or equivalent or MATH 2127)

PSYC 2210. Experimental Psychology (4) (VI) (F,S) (GE:SO) (P: MATH 1065 or equivalent or MATH 2127; PSYC 2101)

PSYC 3225. Psychology of Learning (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060) or PSYC 3226. Human Learning and Cognition (3) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 3310. Introduction to Neuroscience (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060) or PSYC 3311. Neuropsychology (3) (F,S) (GE:SO) (P: PSYC 1000 or 1060)

Choose two from:

PSYC 3206. Developmental Psychology (3) (VI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 3221. Social Psychology (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 3300. Psychology of Personality (3) (F,S) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 4375. Abnormal Psychology (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 5311. Sensation and Perception (3) (P: PSYC 3310, 3311; or consent of instructor)

PSYC 5325. Introduction to Psychological Testing (3) (P: A statistics course; PSYC 1000 or 1060)

Choose one from:

PSYC 4000. Advanced General Psychology (3) (VI) (F,S) (P: PSYC major; PSYC 2210; two courses from the learning and cognition, biological bases, or general course groups)

PSYC 4280. History of Psychology (3) (VI) (F,S) (P: PSYC major; PSYC 2210; two courses from the learning and cognition, biological bases, or general course groups)

PSYC 4402. Senior Thesis/Project (3) (VI) (F,S) (P: PSYC major; PSYC 4401; two courses from the learning and cognition, biological bases, or general course groups)

Choose 9 s.h. of electives of which no more than 6 s.h. can be selected from 4501, 4502, 4521, 4522, 4523, 4990, 4991, 4992, 5315, 5316, 5990, 5991, 5992 (PSYC 2201, 3240 may not count toward the major)

**4. Minor ..... 24-30 s.h.**

**5. General electives to complete requirements for graduation.**

### Psychology Minor

PSYC 2201, 3240 may not count toward the minor. Minimum requirement for psychology minor is **24 s.h.** of credit as follows:

**1. Core ..... 15 s.h.**

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO) or PSYC 1060. Honors Introduction to Psychology (3) (GE:SO)

PSYC 3225. Psychology of Learning (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060) or PSYC 3226. Human Learning and Cognition (3) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 3310. Introduction to Neuroscience (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060) or PSYC 3311. Neuropsychology (3) (F,S) (GE:SO) (P: PSYC 1000 or 1060)

Choose two from:

PSYC 3206. Developmental Psychology (3) (VI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 3221. Social Psychology (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 3300. Psychology of Personality (3) (F,S) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 4375. Abnormal Psychology (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 5311. Sensation and Perception (3) (P: PSYC 3310, 3311; or consent of instructor)

PSYC 5325. Introduction to Psychological Testing (3) (P: Statistics course; PSYC 1000 or 1060)

**2. PSYC electives ..... 9 s.h.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

## Psychology Honors Program

In order to enter the honors program in psychology, a student must be a second semester junior majoring in psychology; must have completed a minimum of 80 s.h. with a minimum cumulative 3.0 GPA; must have completed at least 20 s.h. in psychology with at least a B in PSYC 2101, 2210 and with a minimum 3.5 GPA in psychology. After admission to the honors program by the director of undergraduate studies in psychology, the student will take PSYC 4601 during the second semester of the junior year and PSYC 4602 the first semester of the senior year. This sequence will satisfy the requirement for a capstone course and will qualify the student for honors in psychology if at least a B is earned in each course.

## DEPARTMENT OF SOCIOLOGY

*Richard Caston, Chairperson, A-415 Brewster Building*

### BA in Sociology

Credit toward the sociology major will not be given in any SOCI course with a grade of less than C. See description of social studies licensure under Department of History. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) ..... 42 s.h.**
- 2. Foreign language through level 1004 ..... 12 s.h.**
- 3. Core ..... 15 s.h.**
  - SOCI 2110. Introduction to Sociology (3) (F,S,SS)
  - SOCI 3213. Introduction to Quantitative Sociology (3) (F,S) (P: SOCI 2110)
  - SOCI 3216. Methods of Research (3) (F,S) (P for SOCI major: SOCI 3213; P for all other students: MATH 3228 or equivalent approved by the instructor or PSYC 2101 or SOCI 3213)
  - SOCI 3385. History of Sociology (3) (WI) (F) (P: SOCI 2110)
  - SOCI 4800. Senior Seminar (3) (WI) (F,S) (P: SOCI major; SOCI 3216; 3385 or 4385)
- 4. SOCI electives ..... 18 s.h.**
- 5. Minor and electives to complete requirements for graduation.**

### BS in Applied Sociology

Credit toward the sociology major will not be given in any SOCI course with a grade of less than C. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
  - COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)
  - PHIL 1180. Introduction to Critical Reasoning (3) (WI\*) (S) (GE:HU) or PHIL 2261. Introduction to Philosophy of Science (3) (GE:HU)
- 2. Common core ..... 36 s.h.**
  - SOCI 2110. Introduction to Sociology (3) (F,S,SS)
  - SOCI 2111. Modern Social Problems (3) (F,S,SS) (P: SOCI 2110)
  - SOCI 3213. Introduction to Quantitative Sociology (3) (F,S) (P: SOCI 2110)
  - SOCI 3216. Methods of Research (3) (F,S) (P for SOCI major: SOCI 3213; P for all other students: MATH 3228 or equivalent approved by the instructor or PSYC 2101 or SOCI 3213)
  - SOCI 4385. Theoretical Perspectives and Applications (3) (WI) (F,S) (P: SOCI 2110)
  - SOCI 4500. Work and Organizations (3) (S) (P: SOCI 2110)
  - SOCI 4800. Senior Seminar (3) (WI) (F,S) (P: SOCI major; SOCI 3216; 3385 or 4385)
  - Choose 15 s.h. of SOCI electives
- 3. Minor or concentration area ..... 24 s.h.**

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

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Students may elect to take a minor in another discipline or one of the three areas of concentration listed below. The minor or area of concentration is to be a program of study appropriate for applied sociology and the long-term objectives of the student. A course cannot simultaneously count for the area of concentration and for the required sociology, cognate, or general education courses.

### **Applied Social Research:**

SOCI 4200. Advanced Techniques in Quantitative Sociology (3) (P: DSCI 2223; SOCI 3213)

SOCI 4201. Advanced Techniques in Applied Research (3) (P: SOCI 3216)

Choose one from:

SOCI 3215. Introduction to Qualitative Sociology (3) (P: SOCI 2110 or consent of instructor)

SOCI 4202. Special Topics in Applied Social Research (3) (P: SOCI 2110; a statistics or research design course)

SOCI 4950. Practicum in Sociology (3) (FS) (P: SOCI major; 27 s.h. in SOCI with a minimum grade of C in each course; consent of dept chair, practicum coordinator, and faculty member who will supervise the practicum)

Choose 15 s.h., including at least two disciplines other than sociology from:

ANTH 3050. Ethnographic Field Methods (3) (S) (P: ANTH 1000 or consent of instructor)

COMM 2030. Communication Research (3) (FS) (P: COMM 1001, 1002)

COMM 3110. Persuasion Theories (3) (P: COMM 1001, 1002)

COMM 3180. Intercultural Communication (3) (P: COMM 1001, 1002)

ECON 2113. Principles of Microeconomics (3) (F,S,SS)

ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (P: ECON 2113)

GEOG 2003. Economic Geography (3) (WI) (FS)

GEOG 3430. Geographic Information Systems I (3) (FS) (P: GEOG 3410 or equivalent)

MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)

MKTG 4662. Marketing Research (3) (WI) (F,S,SS) (P: MKTG 3832; MATH 2283)

MKTG 4732. Consumer Behavior (3) (F,S,SS) (P: MKTG 3832)

PLAN 3000. Urban Planning (3) (F,SS)

PLAN 3010. Regional Planning (3) (S)

PLAN 3021. Introduction to Planning Techniques (3) (F)

PLAN 3022. History and Theory of Planning (3) (WI\*) (FS)

PLAN 5025. Coastal Area Planning and Management (3) (P: Consent of instructor)

POLS 3242. Municipal Policy and Administration (3)

POLS 3252. Public Administration (3) (F)

POLS 3253. Government Fiscal Administration (3) (S) (RP: POLS 1010)

POLS 3254. Governmental Personnel Administration (3) (RP: POLS 3252 or consent of instructor)

POLS 3255. Domestic Public Policy (3) (S)

PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS)

PSYC 5343. Psychology of Organizational Behavior (3) (P: Graduate standing; PSYC 3241; or consent of instructor)

SOCI 3235. Population Trends and Problems (3) (P: SOCI 2110)

SOCI 3410. Introduction to Maritime Sociology (3) (P: ANTH 1000 or SOCI 2110)

SOCI 5500. Seminar in Population (3) (P: SOCI 2110; consent of instructor)

### **Law and Society:**

SOCI 4320. Sociology of Law (3) (P: SOCI 2110)

SOCI 4322. Law and Social Change (3) (P: SOCI 2110)

Choose 18 s.h., including at least two disciplines other than sociology from:

ECON 3030. Antitrust and Regulation (3) (WI) (F) (P: ECON 2113)

FINA 2244. Legal Environment of Business (3) (F,S,SS)

FINA 3244. Commercial Law (3) (FS) (P: FINA 2244 or consent of instructor)

JUST 1000. The Criminal Justice System (3) (F,S,SS)

JUST 3500. Principles of Criminal Law (3) (FS) (P: JUST 1000, 2000)

PHIL 1175. Introduction to Ethics (3) (WI\*) (F,S,SS)

PHIL 1180. Introduction to Critical Reasoning (3) (WI\*) (S)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

- PHIL 1500. Introduction to Logic (3) (F,S,SS)  
 PHIL 2275. Professional Ethics (3) (WI\*) (F,S,SS)  
 PHIL 2282. Philosophy of Law (3) (F,S) (P: PHIL 1175, 2275)  
 POLS 3204. The American Judiciary (3) (F)  
 POLS 3223. Constitutional Powers (3) (S)  
 POLS 3224. Civil Liberties (3)  
 POLS 3252. Public Administration (3) (F)  
 SOCI 4330. Criminology (3) (P: SOCI 2110)  
 SOCI 4950. Practicum in Sociology (3) (F,S) (P: SOCI major; 27 s.h. in SOCI with a minimum grade of C in each course; consent of dept chair, practicum coordinator, and faculty member who will supervise the practicum)  
 SOCI 5300. Seminar in Juvenile Delinquency (3) (P: SOCI 2110; consent of instructor)  
 SOCW 3302. Social Work Policy II (3) (F,S) (P: SOCW major or consent of dean)

### Marriage and Family:

- SOCI 4325. Marriage and the Family (3) (F,S,SS) (P: SOCI 2110)  
 Choose 21 s.h. including at least two disciplines other than sociology from:  
 ANTH 3200. Womens Roles in Cross-Cultural Perspective (3) (EY) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
 CDFR 2000. Child Development I – Prenatal Through Early Childhood (3) (F,S,SS)  
 CDFR 3002. Child in the Family (3) (F,S,SS)  
 CDFR 4303. Families and Cultural Diversity (3) (F,S) (P: CDFR 1103)  
 CDFR 4313. Trends and Issues in Family Studies (3) (F,SS) (P: CDFR 1103)  
 COMM 4130. Conflict and Communication (3) (P: COMM 3142 or 3152 or 3160)  
 COMM 4135. Gender and Communication (3) (F) (P: COMM 1001, 1002; or VOST 2000 or 2400)  
 GERO 2400. Introduction to Gerontology (3)  
 HIST 3140. Women in American History (3) (F,S)  
 PSYC 2201. Psychology of Childhood (3) (F,S,SS) (P: PSYC 1000 or 1060 or equivalent)  
 PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (P: PSYC 1000 or 1060)  
 PSYC 3240. Psychology of Adolescence (3) (F,S,SS)  
 SOCI 3235. Population Trends and Problems (3) (P: SOCI 2110)  
 SOCI 3325. Sociology of Human Sexuality (3) (F) (P: SOCI 2110 or consent of instructor)  
 SOCI 4950. Practicum in Sociology (3) (F,S) (P: SOCI major; 27 s.h. in SOCI with a minimum grade of C in each course; consent of dept chair, practicum coordinator, and faculty member who will supervise the practicum)  
 SOCI 5335. Sociology of Marriage Problems (3) (P: SOCI 2110; consent of instructor)  
 SOCI 5400. Seminar in Gender Roles (3) (P: SOCI 2110; consent of instructor)  
 SOCI 5600. Seminar in Aging (3) (P: SOCI 2110; consent of instructor)  
 SOCI 5800. Seminar in the Family (3) (P: SOCI 2110; consent of instructor)  
 SOCW 2400. Introduction to Gerontology (3) (F,S)  
 SOCW 4501. Crisis Intervention (3) (F) (P: SOCW major or consent of dean)

### 4. Cognates..... 6 s.h.

- DSCI 2223. Introduction to Computers (3) (F,S,SS)  
 ENGL 3810. Advanced Composition (3) (WI) (F,S,SS) (P: ENGL 1200) or ENGL 3820. Scientific Writing (3) (F,S,SS) (P: ENGL 1200) or ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)

### 5. Electives to complete requirements for graduation.

## Sociology Minor

Minimum requirement for sociology minor is **24 s.h.** credit as follows:

### 1. Core..... 6 s.h.

- SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)  
 SOCI 4337. Principles of Sociology (3) (S)



SECTION 7: DEGREES

2. **SOCI** electives above 1999 ..... 18 s.h.  
Sociology minors are encouraged to consult with the Department of Sociology when registering for SOCI electives.

Sociology Honors Program

The honors program in sociology is designed for outstanding sociology majors who wish additional challenge and recognition in pursuing scholarly or service work in an area of sociology. Students in the program enroll in SOCI 4550, 4551 in consecutive semesters. In consultation with the student, the dept chair will appoint a faculty adviser and two faculty reviewers to comprise an honors committee that will approve, supervise, and evaluate the work of the student. Under the guidance of this committee, the student will undertake extensive reading, research, or service activities resulting in the writing of an honors paper. The honors paper will be presented to, and orally defended before, the honors committee. To qualify for the program, a student must be a senior, have the approval of the dept chair, and have a minimum cumulative and major 3.5 GPA.

DEPARTMENT OF THEATRE AND DANCE

John Shearin, Chairperson, 105 Messick Building

BFA in Dance

In order to declare a major in dance, a student must satisfy the requirements as stated in the catalog for transfer to departments in the College of Arts and Sciences (See Section 6, Undergraduate Studies), must pass an examination by a dance faculty jury, and must have completed a minimum of 12 s.h. in dance with minimum grades of C. Dance faculty jury will also determine placement in technique levels. Dance majors must attain a minimum grade of C in all required dance courses. Minimum degree requirement is 126 s.h. of credit as follows:

1. **General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including 7 s.h. of cognates from 4., below** ..... 42 s.h.  
2. **Core** ..... 40 s.h.

Dance (19 s.h.):

- DNCE 2201. Dance Improvisation I (1) (F)
- DNCE 2202. Dance Improvisation II (1) (S)
- DNCE 3000, 3001. Dance Performance (11) (FS) (P: Consent of instructor)
- DNCE 4044. History of Dance I (3) (WI) (F) (GE:FA)
- DNCE 4045. History of Dance II (3) (WI) (S) (GE:FA)
- DNCE 4046. Composition I (3) (WI) (F) (P: 3000-level dance technique class)
- DNCE 4047. Composition II (3) (WI) (S) (P: DNCE 4046)
- DNCE 4048. Choreography Project (3) (F) (P: DNCE 4047 or consent of instructor)

Theatre (21 s.h.):

- THEA 2001. Stage Scenery I (3) (FS) (GE:FA)
- THEA 2015. Voice and Articulation (3) (FS,SS) (P: Intended THEA, DNCE, and EMST media performance or electronic news majors)
- Choose 15 s.h. THEA electives from:
  - THEA 1010. Introduction to Acting I (3) (FS,SS) (GE:FA)
  - THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)
  - THEA 2002. Stage Scenery II (3) (FS) (GE:FA) (P: THEA 2001)
  - THEA 2006. The Art of Make-up (1) (FS) (P: THEA major; C: THEA 2007)
  - THEA 2007. Make-up Laboratory (1) (FS) (C: THEA 2006)
  - THEA 3003. Stage Lighting (3) (FS) (P: Consent of instructor)
  - THEA 3004. Scenery Design I (3) (F) (P: THEA 2002 or consent of instructor)
  - THEA 3007. Costume Design (3) (FS) (GE:FA)
  - THEA 3008. Advanced Costume Design (3) (P: THEA 3007 or consent of instructor)
  - THEA 4003. Advanced Stage Lighting (3) (P: THEA 3003 or consent of instructor)
  - THEA 4030. Creative Dramatics (3) (F) (GE:FA)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C, or P/C

THEA 4065. Stage Management (3) (FS) (GE:FA)  
THEA 4066. Theatre Management (3) (FS) (GE:FA)

**3. Concentration area (Choose one.) ..... 36 s.h.**

**Ballet:**

24 s.h. ballet through DNCE 4081. Ballet VIII (3) (P: DNCE 4071 or consent of instructor)  
6 s.h. contemporary  
6 s.h. jazz or more contemporary

**Contemporary:**

24 s.h. contemporary through DNCE 4082. Contemporary Dance VIII (3) (P: DNCE 4072 or consent of instructor)  
6 s.h. ballet  
6 s.h. jazz or more ballet

**Jazz:**

18 s.h. starting with DNCE 2033. Jazz Dance III (3) (F) (P: 6 s.h. of ballet or consent of instructor) through  
DNCE 4083. Jazz Dance VIII (3) (P: DNCE 4073)  
6 s.h. contemporary  
12 s.h. ballet or more contemporary  
(P/C for DNCE 2033, 2043 is 6 s.h. or ballet or consent of instructor. Majors may take DNCE 1013, 1023, but the credit will not count toward the jazz concentration.)

**4. Cognates..... 7 s.h.**

Choose two from:

ART 1910. Art Appreciation (2) (FS) (GE:FA)  
MUSC 2208. Music Appreciation (2) (FS,SS)  
MUSC 2218. Orchestral Music (2) (SS)  
MUSC 2228. Music of the Theatre (2) (SS) (RP: MUSC 2208)  
MUSC 2258. History of Jazz Music (2) (FS,SS)

Choose one from:

ART 1001. Color and Design (3) (FS,SS)  
ART 1906. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)  
ART 1907. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)  
MUSC 1008. Music Theory for Nonmusic Majors (3) (FS) (GE:FA) (P: Ability to read music or consent of instructor)  
MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (FS,SS) (GE:FA)  
PHIL 2271. Introduction to Philosophy of Art (3) (WI\*) (FS) (GE:FA)

**5. Electives to complete requirements for graduation.**

**BS in Dance Education**

In order to declare a major in dance education, a student must satisfy the requirements as stated in the catalog for transfer to departments in the College of Arts and Sciences (See Section 6, Undergraduate Studies), must pass an examination by a dance faculty jury, must have completed 12 s.h. in dance with a minimum grade of C, and must have a minimum cumulative 2.5 GPA. Dance faculty jury will also determine placement in technique levels. Dance majors must attain a minimum grade of C in all required dance courses. See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **128 s.h.** of credit as follows:

**1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below and 7 s.h. of cognates in art and music ..... 42 s.h.**

PSYC 1000. Introductory Psychology (3) (FS,SS) (GE:SO)  
PSYC 3206. Developmental Psychology (3) (WI) (F, S, SS) (GE:SO) (P: PSYC 1000 or 1060)  
Choose a history course  
Choose a literature course

**2. Core ..... 54-55 s.h.**

**Dance (16-17 s.h.):**

DNCE 2201. Dance Improvisation I (1) (F)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
(GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
(GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

DNCE 2202. Dance Improvisation II (1) (S) (P: DNCE 2201 or consent of instructor)  
DNCE 4044. History of Dance I (3) (WI) (F) (GE:FA)  
DNCE 4045. History of Dance II (3) (WI) (S) (GE:FA)  
DNCE 4046. Composition I (3) (WI) (F) (P: 3000-level dance technique class)  
DNCE 4047. Composition II (3) (WI) (S) (P: DNCE 4046)  
EXSS 2500. Dance in the Schools (2) (F,S,SS) (P: EXSS 1000) or DNCE 3603. Selected Topics in Dance (3) (F,S,SS) (GE:FA)

### Technique (29 s.h.):

Choose 12 s.h. contemporary dance (minimum proficiency Level IV)  
Choose 6 s.h. ballet  
Choose 6 s.h. jazz  
Choose 5 s.h. electives

### Theatre (9 s.h.):

THEA 2001. Stage Scenery I (3) (F,S) (GE:FA)  
THEA 4065. Stage Management (3) (F,S) (GE:FA)  
Choose 3 s.h. from:  
THEA 1010. Introduction to Acting I (3) (F,S,SS) (GE:FA)  
THEA 2002. Stage Scenery II (3) (F,S) (GE:FA) (P: THEA 2001)  
THEA 2015. Voice and Articulation (3) (F,S,SS) (P: Intended THEA, DNCE, and EMST media performance or electronic news majors)  
THEA 3003. Stage Lighting (3) (F,S) (P: Consent of instructor)  
THEA 3007. Costume Design (3) (F,S) (GE:FA)  
THEA 4030. Creative Dramatics (3) (F) (GE:FA)  
THEA 4066. Theatre Management (3) (F,S) (GE:FA)

### 3. Professional courses ..... 29 s.h.

DNCE 2190. Early Experiences for the Prospective Dance Educator (1) (F)  
DNCE 2200. Creative Dance and Drama for the Elementary School (2) (S)  
DNCE 4323. Perspectives on Dance Education, Grades K-12 (3) (WI) (F,S) (P: Consent of instructor)  
DNCE 4324. Internship in Dance Education (10) (F,S) (P: Admission to upper division; C: DNCE 4325)  
DNCE 4325. Internship Seminar: Issues in Dance Education (1) (F,S) (P: Admission to upper division; C: DNCE 4324)  
EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)  
EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)  
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division)  
or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)  
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)  
SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

### 4. Electives to complete requirements for graduation.

## BA in Theatre Arts

Theatre majors must attain a minimum grade of C in all required theatre courses. Minimum degree requirement is **120 s.h.** of credit as follows:

### 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) ..... 42 s.h.

### 2. Foreign language through level 1004 ..... 12 s.h.

### 3. Core ..... 36 s.h.

THEA 1010. Introduction to Acting I (3) (F,S,SS) (GE:FA)  
THEA 2001. Stage Scenery I (3) (F,S) (GE:FA)  
THEA 2015. Voice and Articulation (3) (F,S,SS) (P: Intended DNCE or THEA major)  
THEA 2035. Theatre History-Literature (3) (WI\*) (F-03) (GE:FA)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

THEA 3003. Stage Lighting (3) (FS) (P: Consent of instructor)  
 THEA 3007. Costume Design (3) (FS) (GE:FA)  
 THEA 3035. Theatre History-Literature II (3) (WI\*) (F-03) (GE:FA)  
 Choose 15 s.h. from:

THEA 2002. Stage Scenery (3) (S)  
 THEA 3004. Scenery Design I (3) (F) (P: THEA 2002 or consent of instructor)  
 THEA 3036. Theatre History-Literature III (3) (WI\*) (F) (GE:FA)  
 THEA 3050. Advanced Acting (3) (F) (P: THEA 1020)  
 THEA 4040. Directing I (3) (WI) (F) (P: THEA 2020)  
 THEA 4065. Stage Management (3) (FS)  
 THEA 4066. Theatre Management (3) (FS) (GE:FA)

#### 4. Minor and electives to complete requirements for graduation.

### BFA in Theatre Arts

Theatre majors must attain a minimum grade of C in all required theatre courses. Minimum degree requirement is **126 s.h.** of credit as follows:

#### 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

ENGL 3330. Early Twentieth Century Drama (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)  
 ENGL 3340. Contemporary Drama (3) (WI) (F-OY) (GE:HU) (P: ENGL 1200)

#### 2. Core ..... 21 s.h.

THEA 1010. Introduction to Acting I (3) (FS,SS) (GE:FA)  
 THEA 2001. Stage Scenery I (3) (FS) (GE:FA)  
 THEA 2015. Voice and Articulation (3) (FS,SS) (P: Intended DNCE or THEA major)  
 THEA 2035. Theatre History-Literature I (3) (WI\*) (S) (GE:FA)  
 THEA 3003. Stage Lighting (3) (FS) (P: Consent of instructor)  
 THEA 3007. Costuming (3) (FS)  
 THEA 3035. Theatre History-Literature II (3) (F) (WI\*) (GE:FA)

#### 3. Concentration area (Choose one.) ..... 52-63 s.h.

##### Musical Theatre (60-63 s.h.):

##### Dance (17 s.h.):

DNCE 3014. Fundamentals of Tap Dance (1) (F) (GE:FA)  
 DNCE 3024. Intermediate Tap Dance (1) (S) (P: DNCE 3014 or consent of instructor)  
 Students must complete 9 s.h., achieving at least level III, in one of either ballet, contemporary dance, or jazz dance and 6 s.h. from the other two areas.

##### Music (13-16 s.h.):

MUSC 1008. Music Theory for Nonmusic Majors (3) (FS) (GE:FA) (P: Ability to read music or consent of instructor) or MUSC 1156. Basic Musicianship (4) (F)  
 MUSC 1018, 1028. Music Reading and Fundamentals for Nonmusic Majors (2,2) (GE:FA) or MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1)

\*MUSC 1108 (F), 1118 (S). Nonmusic Major Group Voice (1,1) (GE:FA)

\*MUSC 1208, 1218. Nonmusic Major Group Piano (1,1) (FS) (GE:FA)

4 s.h. private applied voice

(\*A student who is exempt from any of these courses must take other applied voice or piano to complete the total applied hours.)

##### Theatre (30 s.h.):

THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)  
 THEA 2006. The Art of Make-up (1) (FS) (P: THEA major; C: THEA 2007)  
 THEA 2007. Make-up Laboratory (1) (FS) (C: THEA 2006)

## SECTION 7: DEGREES

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THEA 2016. Vocal Production for the Actor (3) (F) (P: Professional acting and musical theatre majors; THEA 2015; or consent of instructor)  
THEA 3050. Advanced Acting I (3) (F) (P: THEA 1020)  
THEA 3055. History of the American Musical Theatre (3) (WI) (S) (P: MUSC 2166 or consent of instructor)  
THEA 3060. Advanced Acting II (3) (S) (P: THEA 3050)  
THEA 3090. Musical Theatre Performance Techniques I (3) (F) (P: THEA 1020; demonstrated vocal skill; and/or consent of instructor)  
THEA 3095. Musical Theatre Performance Techniques II (3) (S) (P: THEA 3090; audition or consent of instructor)  
THEA 4080. Musical Theatre Practicum (1) (WI) (P: THEA 3095)  
THEA 4090. Musical Theatre Performance Technique III (3) (F) (P: THEA 2035, 3095)  
THEA 4095. Musical Theatre Performance Technique IV (3) (S) (P: THEA 4090)

### **Professional Actor Training (55 s.h.):**

Students are admitted to the program after the freshman year by jury. Transfer students may also be admitted by interview and/or audition.

DNCE 1011. Ballet I (3) (F) or DNCE 1012. Contemporary Dance I (3) (F) or DNCE 1013. Jazz Dance I (3) (F)  
DNCE 1021. Ballet II (3) (S) or DNCE 1022. Contemporary Dance II (3) (S) or DNCE 1023. Jazz Dance II (3)  
THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)  
THEA 2002. Stage Scenery II (3) (FS) (GE:FA) (P: THEA 2001) or THEA 4065. Stage Management (3) (FS) (GE:FA)  
THEA 2006. The Art of Make-up (1) (FS) (P: THEA major; C: THEA 2007)  
THEA 2007. Make-up Laboratory (1) (FS) (C: THEA 2006)  
THEA 2010. Professional Acting Technique I (3) (F) (P: THEA 1020; audition and faculty jury)  
THEA 2016. Vocal Production for the Actor (3) (F) (P: Professional acting and musical theatre majors; THEA 2015; or consent of instructor)  
THEA 2017. Movement for Actors (3) (FS) (P: THEA 1020)  
THEA 2020. Professional Acting Technique II (3) (S) (P: THEA 2010)  
THEA 3010. Professional Acting Technique III (3) (F) (P: THEA 2020)  
THEA 3015. Oral Interpretation (3) (S) (P: THEA 2015 or consent of instructor)  
THEA 3020. Professional Acting Technique IV (3) (S) (P: THEA 3010)  
THEA 3025. Intermediate Voice and Articulation (3) (FS) (P: THEA 2015 or consent of instructor)  
THEA 3036. Theatre History-Literature III (3) (WI\*) (S) (GE:FA)  
THEA 4025. Television and Film Practicum for the Actor I (3) (F) (P: THEA 3020 or consent of instructor)  
THEA 4031. Dialects for the Stage (2) (S) (P: THEA 2020 or consent of instructor)  
THEA 4040. Directing I (3) (VI) (F) (P: Consent of instructor)  
THEA 4041. Directing II (3) (S) (P: THEA 4040; consent of instructor)  
THEA 4070. Professional Preparation and Audition Technique for Actors (3) (WI) (S) (P: THEA 4025)

### **Theatre Design and Production (55 s.h.):**

ART 1906. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910) or ART 1907. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)  
THEA 2002. Stage Scenery II (3) (FS) (GE:FA) (P: THEA 2001)  
THEA 2003. Scene Painting (3) (GE:FA) (P: THEA 2001, 2002)  
THEA 2009. Decor and Ornament for the Stage (3) (GE:FA)  
THEA 3000, 3001. Special Theatre Projects (11) (P: Consent of instructor)  
THEA 3002. Advanced Theatrical Drafting (3) (F) (P: THEA 2002 or consent of instructor)  
THEA 3004. Scenery Design I (3) (F) (P: THEA 2002 or consent of instructor)  
THEA 3036. Theatre History-Literature III (3) (S) (WI\*) (GE:FA)  
THEA 4000, 4001. Special Theatre Projects (11) (P: Consent of instructor)  
THEA 4002. Advanced Technical Production (6) (P: Junior standing; consent of instructor)  
THEA 4040. Directing I (3) (VI) (F)  
THEA 4065. Stage Management (3) (FS) (GE:FA)  
THEA 4099. Design and Production Portfolio (1) (P: Junior or senior standing; consent of instructor)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

THEA 5000. Dramatic Arts Workshop (3)

Choose one from:

THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)

THEA 4041. Directing II (3) (S) (P: THEA 4040; consent of instructor)

Choose a minimum of 11 s.h. from:

THEA 2006. The Art of Make-up (1) (FS) (P: THEA major; C: THEA 2007) and THEA 2007. Make-up Laboratory (1) (FS) (C: THEA 2006)

THEA 3005. Scenery Design II (3) (P: THEA 3004)

THEA 3008. Advanced Costume Design (3) (P: THEA 3007 or consent of instructor)

THEA 3501, 3502, 3503. Independent Study in Theatre (1,2,3) (FS)

THEA 3601, 3602, 3603. Selected Topics in Theatre (1,2,3) (FS)

THEA 4003. Advanced Stage Lighting (3) (P: THEA 3003 or consent of instructor)

THEA 4066. Theatre Management (3) (FS) (GE:FA)

#### **4. Electives to complete requirements for graduation.**

### **BFA in Theatre Arts Education**

Students interested in this program should contact the department chair prior to enrollment. See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **128 s.h.** of credit as follows:

#### **1. General education (See Section 6, Undergraduate Studies: Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

PSYC 2201. Psychology of Childhood (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060 or equivalent) or PSYC 3206.

Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

Choose 6 s.h. from:

ENGL 3330. Early Twentieth Century Drama (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)

ENGL 3340. Contemporary Drama (3) (WI) (F-OY) (GE:HU) (P: ENGL 1200)

ENGL 4070. Shakespeare: The Histories (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)

ENGL 4080. Shakespeare: The Comedies (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)

ENGL 4090. Shakespeare: The Tragedies (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)

#### **2. Core ..... 59 s.h.**

DNCE 1011. Ballet I (3) (F) (GE:FA) or DNCE 1012. Contemporary Dance I (3) (F) (GE:FA) or DNCE 1013. Jazz Dance I (3) (F) (GE:FA)

COMM 2215. Audio Production (3) (F,S,SS) (P: COMM 2210)

COMM 2220. Video Production (3) (F,S,SS) (P: COMM 2210)

THEA 1010. Introduction to Acting I (3) (F,S,SS) (GE:FA)

THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)

THEA 2001. Stage Scenery I (3) (FS) (GE:FA)

THEA 2006. The Art of Make-up (1) (FS) (P: THEA major; C: THEA 2007)

THEA 2007. Make-up Laboratory (1) (FS) (C: THEA 2006)

THEA 2015. Voice and Articulation (3) (F,S,SS) (P: Intended DNCE or THEA major)

THEA 2035. Theatre History-Literature I (3) (WI\*) (S) (GE:FA)

THEA 3003. Stage Lighting (3) (FS) (P: Consent of instructor)

THEA 3004. Scenery Design I (3) (F) (P: THEA 2002 or consent of instructor)

THEA 3007. Costume Design (3) (FS) (GE:FA)

THEA 3015. Oral Interpretation (3) (S) (P: THEA 2015 or consent of instructor)

THEA 3035. Theatre History-Literature II (3) (WI\*) (F) (GE:FA)

THEA 3036. Theatre History-Literature III (3) (WI\*) (S) (GE:FA)

THEA 4030. Creative Dramatics (3) (S) (GE:FA)

THEA 4040. Directing I (3) (WI) (F) (P: THEA 1010 or 2020)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
(GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
(GE:SC)=Science; (GE:SO)=Social Science

SECTION 7: DEGREES

- THEA 4041. Directing II (3) (S) (P: THEA 4040; consent of instructor)
- THEA 4065. Stage Management (3) (FS) (GE:FA)
- THEA 4066. Theatre Management (3) (FS) (GE:FA)
- 3. Professional courses ..... 27 s.h.
  - EDTC 4001. Technology in Education (2) (FS) (P: Admission to upper division)
  - EDUC 3200. Introduction to American Education (3) (WI\*) (FS,SS) (P: Early experience course or consent of instructor)
  - EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (FS) (P: Admission to upper division)
  - READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (FS,SS)
  - SPED 4010. Exceptional Students in the Regular Classroom (2) (FS) (RP: SPED 2000)
  - THEA 2123. Early Experiences for the Prospective Teacher (1)
  - THEA 4323. The Teaching of Theatre Arts in Grades K-12 (3)
  - THEA 4324. Internship in Theatre Education (10) (P: Admission to upper division; THEA 2123; C: THEA 4325)
  - THEA 4325. Internship Seminar: Issues in Theatre Education (1) (P: Admission to upper division; C: THEA 4324)

Theatre Arts Minor

Minimum requirement for minor is 24 s.h. credit as follows:

- 1. Core ..... 15 s.h.
  - THEA 1010. Introduction to Acting I (3) (FS,SS) (GE:FA)
  - THEA 2001. Stage Scenery I (3) (FS) (GE:FA)
  - THEA 2015. Voice and Articulation (3) (FS,SS) (P: Intended DNCE or THEA major)
  - THEA 2035. Theatre History-Literature I (3) (WI\*) (S) (GE:FA)
  - THEA 3007. Costume Design (3) (FS) (GE:FA)
- 2. THEA electives ..... 9 s.h.

Dance Minor

The student minoring in dance should take at least one dance course each semester. Faculty jury will determine placement in technique levels. The dance minor must complete level IV in at least one technique. Minimum requirement for minor is 24 s.h. credit as follows:

Required courses ..... 24 s.h.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

# SCHOOL OF ALLIED HEALTH SCIENCES

Stephen W Thomas, Interim Dean, 302-C Belk Building

## Admission

Admission to the university does not guarantee admission to the School of Allied Health Sciences. Students applying for admission to the professional programs of this school must have completed the application process as specified by the departments prior to the date set by the respective departments. Inquiries should be directed to the chairperson of the individual departments, School of Allied Health Sciences.

## Curricula

The School of Allied Health Sciences offers BS degree programs in clinical laboratory science, health information management, occupational therapy, physician assistant, rehabilitation services, and speech and hearing sciences; minors in alcohol and drug studies and in sign language studies/pre-interpreter preparation; a MS in rehabilitation counseling, occupational therapy, vocational evaluation, speech-language and auditory pathology, and substance abuse counseling; a MPT in physical therapy; and a PhD in communication sciences and disorders. (See graduate catalog for graduate degrees.)

## DEPARTMENT OF BIOSSTATISTICS

Kevin O'Brien, Acting Chairperson, 312-G Belk Building

## DEPARTMENT OF CLINICAL LABORATORY SCIENCE

Richard Bamberg, Chairperson, 308 Belk Building

### BS in Clinical Laboratory Science (Medical Technology)

A minimum 2.0 GPA in all biology and chemistry courses is required for admission into the professional phase of the curriculum. Majors must maintain a minimum 2.0 GPA in all clinical laboratory science (CLSC) courses during the professional phase of the curriculum. A student earning a D in any of these courses must petition the Department of Clinical Laboratory Science for probationary continuation. Minimum degree requirement is **131 s.h.** of credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

CHEM 1150, 1151. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)

CHEM 1160, 1161. General Chemistry and Laboratory II (31) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

*Recommended:*

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

PSYC 2101. Psychological Statistics (4) (F,S,SS) (GE:SO) (P: MATH 1065 or equivalent or MATH 2127)

**2. Core ..... 67 s.h.**

CLSC 3410. Hematology I (3) (F) (P: CLSC major)

CLSC 3411. Hematology I Laboratory (1) (F) (P: CLSC major; C: CLSC 3410)

CLSC 3420. Hematology II (3) (S) (P: CLSC major; CLSC 3410, 3411; or consent of instructor)

CLSC 3421. Hematology II Laboratory (1) (S) (P: CLSC major; CLSC 3410, 3411; or consent of instructor)

CLSC 3430. Clinical Immunology (2) (F) (P: Consent of instructor)

CLSC 3440, 3441. Clinical Microscopy and Serology Lecture and Laboratory (2,1) (SS) (P: CLSC 3430)

CLSC 4210, 4211. Immunohematology Lecture and Laboratory (3,1) (SS) (P: CLSC 3430; consent of instructor)

CLSC 4430, 4431. Clinical Chemistry I (2,1) (F) (P: 4 courses in CHEM; PSYC 2101 or other statistics course; P for nonmajor: consent of instructor)

CLSC 4440, 4441. Clinical Chemistry II (4,2) (S) (P: CLSC 4430, 4431; P for nonmajor: consent of instructor)

CLSC 4460, 4461. Clinical Microbiology I (4,2) (F) (P: BIOL 2110, 2111; or 3220, 3221; or consent of instructor)

CLSC 4470, 4471. Clinical Microbiology II (3,2) (S) (P: CLSC 4460, 4461; or consent of instructor)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science



## SECTION 7: DEGREES

CLSC 4480, 4481. Clinical Microbiology III (2,1) (SS) (P: Consent of instructor)

CLSC 4801, 4802. Professional Practice Issues I, II (4,4) (WI,WI) (FS) (P: CLSC major)

CLSC 4803. Introduction to Clinical Laboratory Information Systems (3) (S) (P: CLSC major or consent of instructor)

\*\* CLSC 4992. Clinical Education–Hematology Coagulation, Urinalysis (4) (FS) (P: CLSC 3420, 3421; consent of instructor)

\*\* CLSC 4993. Clinical Education–Chemistry (4) (FS) (P: CLSC 4440, 4441)

\*\* CLSC 4994. Clinical Education–Blood Bank and Serology (4) (FS) (P: CLSC 4210, 4211)

\*\* CLSC 4997. Clinical Education–Microbiology (4) (FS) (P: CLSC 4470, 4471)

### 3. Cognates..... 22 s.h.

BIOL 1100, 1101. Principles of Biology I (4,0) (F,S,SS) (GE:SC)

BIOL 2110, 2111. Fundamentals of Microbiology (4,0) (FS) (P: 4 s.h. in BIOL; 8 s.h. in CHEM)

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)

CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI) (FS) (P: CHEM 1160, 1161; organic CHEM course)

CHEM 2650. Organic Chemistry for the Life Sciences (4) (F) (P: CHEM 1160, 1161)

CHEM 2651. Organic Chemistry Lab for the Life Sciences (1) (F) (C: CHEM 2650)

\*Students must complete CLSC 4801, 4802 to satisfy the 3 s.h. requirement of writing intensive courses in the major.

\*\* Affiliated hospitals for CLSC 4992, 4993, 4994, 4997 include Craven Regional Medical Center, New Bern; Nash Health Care System, Rocky Mount; and Pitt County Memorial Hospital, Greenville.

## DEPARTMENT OF COMMUNICATION SCIENCES AND DISORDERS

Michael Rastatter, Chairperson, 107 Belk Annex 1

### BS in Speech and Hearing Sciences

The undergraduate program emphasizes the normal processes of speech, hearing, and language and allows the student to explore other academic areas of interest. Since in most states the master's degree is the minimum level of preparation for persons seeking professional careers in this field, the BS degree does not qualify the student to work professionally but is designed to prepare the student for graduate studies. Admission to the university does not assure admission to the program. Students are initially admitted to the General College. In order to be considered for admission to the program, the student must have a minimum cumulative 2.5 GPA and must have completed CSDI 2100 with a minimum grade of B. The student must also be interviewed prior to formal admission into the program. These requirements are generally completed by the end of spring semester of the sophomore year. Majors must maintain a cumulative 2.5 GPA and a 2.5 GPA for all required CSDI courses. All CSDI courses must be passed with a minimum grade of C. A major earning a D in any CSDI course must petition the Department of Communication Sciences and Disorders for probationary continuation and will be required to repeat the course. Minimum degree requirement is **126 s.h.** of credit as follows:

### 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (GE:SC)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

PHYS 1050. Physics and the Environment (4) (F,S,SS) (GE:SC)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

### 2. Core ..... 38 s.h.

CSDI 2100. Introduction to Communication Disorders (3) (F,S,SS)

CSDI 3010. Phonetics (3) (F) (P: CSDI major or minor; CSDI 2100; PSYC 1000; or consent of instructor)

CSDI 3020. Language Development (3) (F) (P: CSDI major or minor; CSDI 2100; PSYC 1000; or consent of instructor)

CSDI 3030. Speech Science: Anatomy, Physiology and Acoustics (3) (F) (P: BIOL 1050, 1051; CSDI 2100; or consent of instructor)

CSDI 3050. Acquisition and Development of Phonology and Articulation (3) (S) (P: CSDI 3010, 3030; or consent of instructor)

CSDI 3105. Hearing Science (3) (S) (P: CSDI 3030; PHYS 1050; or consent of instructor)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

- CSDI 4000. Introduction to Speech Disorders (5) (F) (P: CSDI 3050 or consent of instructor)  
 CSDI 4020. Introduction to Language Disorders (3) (S) (P: CSDI 3010, 3020, 3030; or consent of instructor)  
 CSDI 4100. Introduction to Audiology (3) (F) (P: CSDI 3105 or consent of instructor)  
 CSDI 4110. Aural Rehabilitation (3) (S) (P: CSDI 4100 or consent of instructor)  
 CSDI 4335. Apprenticeship (3) (VI) (S) (P: CSDI major; consent of dept director of undergraduate studies; minimum of 25 hours of observation of treatment as administered or supervised by ASHA certified speech-language pathologist/audiologist; CSDI 3020, 4000, 4100, 5010)  
 CSDI 5010. Procedures in Clinical Management (3) (F) (P: CSDI major; CSDI 3020, 3050, 3105; or consent of instructor)

**3. Cognates..... 8 s.h.**

- BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor)  
 ENGL 3760. Linguistic Theory for Speech and Hearing Clinicians (3) (F,S) (P: ENGL 1200)  
 SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)

**4. Minor or electives to complete requirements for graduation.**

**Speech and Hearing Sciences Minor**

A minor in speech and hearing sciences requires **24 s.h.** and is designed to provide the student with an overview of the nature of human communication, including its origin, development, and processes. Selection of the electives should form a pattern relevant to the student's interests. The director of undergraduate studies of the Department of Communication Sciences and Disorders must be consulted for recommendations as to specific courses.

**1. Required courses ..... 6 s.h.**

- CSDI 2100. Introduction to Communication Disorders (3) (F,S,SS)  
 CSDI 3010. Phonetics (3) (F)

**2. CSDI electives ..... 18 s.h.**

**Sign Language Studies/Pre-Interpreting Minor**

The sign language studies/pre-interpreting minor will assist students with the development of communicative competencies in American Sign Language. The minor will also provide an awareness and appreciation of deaf culture as well as professional standards required of an interpreter. There are two options for completing the minor: sign language studies (24 s.h.) and pre-interpreting (28 s.h.).

***Sign Language Studies Option***

The sign language studies option is designed for those students who are interested in learning American Sign Language and about the issues faced by the deaf community. This option requires **24 s.h.** as follows:

- ASLS 2020. Sign Languages Studies I (3) (F,S,SS)  
 ASLS 2030. Sign Language Studies II (3) (F,S,SS) (P: ASLS 2020)  
 ASLS 2040. Deaf Culture and the Community (3) (F,S,SS)  
 ASLS 3060. Sign Language Studies III (3) (F,S,SS) (P: ASLS 2030 or consent of instructor)  
 ASLS 3070. Introduction to Interpreting for the Deaf (3) (F) (P: ASLS 2040, 3060; or consent of instructor)  
 ASLS 3080. Sign Language Studies IV (3) (F,S,SS) (P: ASLS 3060 or consent of instructor)  
 CSDI 2100. Introduction to Communication Disorders (3) (F,S,SS)  
 Choose a 3 s.h. course approved by the director of the Department for Disability Support Services.

***Pre-Interpreting Option***

The pre-interpreting option is for students who are interested in the profession of interpretation for the deaf and is designed to provide them with the preliminary cognitive and processing skills needed in interpreting. For information about this minor, contact the Department for Disability Support Services at 252-328-6799 (Voice/TTY). Minimum requirement is **28 s.h.** as follows:

- ASLS 2020. Sign Languages Studies I (3) (F,S,SS)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

SECTION 7: DEGREES

- ASLS 2030. Sign Language Studies II (3) (F,S,SS) (P: ASLS 2020)
- ASLS 2040. Deaf Culture and the Community (3) (F,S,SS)
- ASLS 3060. Sign Language Studies III (3) (F,S,SS) (P: ASLS 2030 or consent of instructor)
- ASLS 3070. Introduction to Interpreting for the Deaf (3) (F) (P: ASLS 2040, 3060; or consent of instructor)
- ASLS 3080. Sign Language Studies IV (3) (F,S,SS) (P: ASLS 3060 or consent of instructor)
- ASLS 3090, 3091. Interpretation and the Transliteration for the Deaf I and Laboratory (3) (S) (P: ASLS 3060, 3070; or consent of instructor)
- ASLS 3100. Interpretation and Transliteration for the Deaf II (3) (F) (P: ASLS 3080, 3090, 3091; or consent of instructor)
- CSDI 2100. Introduction to Communication Disorders (3) (F,S,SS)

DEPARTMENT OF COMMUNITY HEALTH

Donald E. Ensley, Chairperson, 302-F Belk Building

DEPARTMENT OF HEALTH SERVICES AND INFORMATION MANAGEMENT

Elizabeth Layman, Chairperson, 308-C Belk Building

BS in Health Information Management

A minimum 2.5 GPA is required for admission to the professional phase (junior and senior levels) of the health information management curriculum. See health information management admission packet for specific admission information. Majors must pass the following courses with a minimum grade of C: ASIP 2112, 2212, 2213; or DSCI 2223; ASIP 2311, 2312; 3228 or MGMT 3202; ASIP 4500; BIOL 2130, 2131; ENGL 3880 or ITEC 3290; MATH 2228 or 2283 or PSYC 2101; MGMT 4242 or PSYC 3241; COMM 2420; all HIMA and HPRO courses. A student earning a D in any of these courses must petition the Department of Health Information Management for probationary continuation and will be required to repeat the course. Minimum degree requirement is **123 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
  - COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)
  - ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)
  - MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)
  - PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)
  - Recommended:*
    - BIOL 1050, 1051. General Biology (3) (F,S,SS) (GE:SC)
    - SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)
- 2. Health professions core ..... 2 s.h.**
  - HPRO 4350. Research Design (2) (WI) (P: BIOL 5850, 5851; or MATH 2228; or equivalent)
- 3. Health information management core ..... 48 s.h.**
  - HIMA 3013. Applied Medical Sciences I (3) (F) (P: HIMA major; BIOL 2130, 2131; COMM 2420; C: HIMA 3041)
  - HIMA 3018. Applied Medical Sciences II (3) (S) (P: HIMA 3013; C: HIMA 3046, 3048)
  - HIMA 3020. Health Care Delivery Systems (1) (F) (P: HIMA major; COMM 2420; C: HIMA 3032)
  - HIMA 3022. Professionalism in Health Information Management (1) (F) (P: HIMA major)
  - HIMA 3025. Legal Aspects of Health Records (3) (WI) (S) (P: ENGL 3880 or ITEC 3290; HIMA 3013, 3020))
  - HIMA 3028. Health Care Reimbursement (1) (S) (P: HIMA 3020; C: HIMA 3048)
  - HIMA 3032. Record Documentation Systems (3) (F) (P: HIMA major; COMM 2420; C: HIMA 3020)
  - HIMA 3038. Health Data Structures (1) (S) (P: HIMA 3013, 3032)
  - HIMA 3041. Diagnostic and Procedural Coding I (2) (F) (P: HIMA major; BIOL 2130, 2131; C: HIMA 3013)
  - HIMA 3046. Diagnostic and Procedural Coding II (2) (S) (P: HIMA 3041; C: HIMA 3018)
  - HIMA 3048. Health Service Coding (1) (S) (C: HIMA 3018, 3028)
  - HIMA 3090. Professional Practice Experience I (1) (S) (P: ASIP 3228 or MGMT 3202; ASIP 4500; ENGL 3880 or ITEC 3290; HIMA 3022, 3032, 3041)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

HIMA 4000. Professional Practice Experience II (1) (F) (P: HIMA 3090)  
HIMA 4028. Topics in Health Information Management (1) (S) (P: HIMA 3038, 3041, 3048, 4000, 4050)  
HIMA 4030. Quality Management in Health Care (2) (F) (P: HIMA 3018, 3025)  
HIMA 4046. Clinical Issues (1) (S) (P: HIMA 3028, 3046)  
HIMA 4050. Human Resource Management (2) (F) (P: ASIP 3228 or MGMT 3202; HIMA 3025; MGMT 4242 or PSYC 3241; C: HIMA 4052)  
HIMA 4052. Management of Health Information Services Department (2) (VI) (F) (P: ASIP 2311, 2312; HIMA 3090; C: HIMA 4050)  
HIMA 4055. Human Resource Management Seminar (1) (S) (P: HIMA 4050; C: HIMA 4057)  
HIMA 4057. Management of Health Information Services Department Seminar (1) (S) (P: HIMA 4052; C: HIMA 4055)  
HIMA 4060. Concepts in Health Information Technology (4) (F) (P: ASIP 2112, 2212, 2213; or DSCI 2223; HIMA 3090)  
HIMA 4065. Health Information Systems (2) (S) (P: HIMA 4060; C: HIMA 4075)  
HIMA 4075. Biomedical Research Support (1) (S) (P: HIMA 4060; MATH 2228 or 2283 or PSYC 2101; C: HIMA 4065)  
HIMA 4090. Capstone Professional Practice Experience (5) (S) (P: All required HIMA courses)  
Choose 3 s.h. from:  
HIMA 4081, 4082, 4083. Directed Independent Project (1,2,3) (F,S,SS) (P: HIMA major; consent of instructor)

**4. Cognates..... 26-30 s.h.**

ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS) and ASIP 2212, 2213. Basic Programming for Business Applications (30) (FS) (P: ASIP 2112 or equivalent) or DSCI 2223. Introduction to Computers (3) (F,S,SS)  
ASIP 2311, 2312. Financial Information Systems (30) (FS)  
ASIP 3228. Administrative Management (3) (FS) or MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)  
ASIP 4500. Information Processing Systems Design (3) (FS) (P: ASIP 2212, 2213, 2500; or equivalent)  
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)  
ENGL 3880. Writing for Business and Industry (3) (VI) (F,S,SS) (P: ENGL 1200) or ITEC 3290. Technical Writing (3) (VI) (F,S,SS) (P: ENGL 1200)  
MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent) or PSYC 2101. Psychological Statistics (4) (F,S,SS) (P: MATH 1065 or equivalent or MATH 2127)  
MGMT 4242. Organizational Behavior (3) (FS) (P: MGMT 3202) or PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (P: PSYC 1000)

**5. Electives to complete requirements for graduation.**

**DEPARTMENT OF OCCUPATIONAL THERAPY**

*Anne E. Dickerson, Chairperson, 306 Belk Building*

**BS in Occupational Therapy**

**NOTE:** The bachelor's-level entry program in occupational therapy is being discontinued and replaced by a master's-level entry program. The last class to be admitted to the professional phase of the bachelor's program initiated professional studies (junior year) in the summer of 2001.

The occupational therapy program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. ACOTE's telephone number c/o AOTA is 301-652-2682. Graduates of this program will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an occupational therapist, registered (OTR). In addition, most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Examination.

## SECTION 7: DEGREES

A student must maintain a minimum 2.5 GPA and a minimum grade of C in all professional phase courses and occupational therapy electives. In order to progress to level II fieldwork experience, a student must earn a minimum grade of C in related didactic and level I fieldwork experience (practicum) courses. Minimum degree requirement is **125 s.h.** of credit as follows:

### General College (Freshman and Sophomore)

1. **General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (GE:SC)  
CHEM 1120. Basic General, Organic, and Biochemistry I (4) (F,S,SS) (GE:SC)  
CHEM 1121. Basic General, Organic, and Biochemistry Laboratory I (1) (F,S) (GE:SC) (C: CHEM 1120)  
MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)  
SOC 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)
2. **Cognates..... 8-9 s.h.**  
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)  
BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor) or MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or PSYC 2101. Psychological Statistics (4) (F,S,SS) (P: MATH 1065 or equivalent or MATH 2127)

### School of Allied Health Sciences (Junior and Senior):

1. **Cognates..... 8 s.h.**  
HPRO 5011, 5012. Gross Anatomy (5,0) (P: Enrolled in OCCT or PTHE or consent of dept chair)  
HPRO 5030, 5031. Neuroanatomy (3,0) (P: HPRO 5011, 5012; enrolled in OCCT or PTHE or consent of dept chair)
2. **Health professions core ..... 2 s.h.**  
HPRO 4350. Research Design (2) (WI) (P: BIOL 5850, 5851; or MATH 3228; or equivalent)
3. **Occupational therapy core ..... 62 s.h.**  
OCCT 3006. Life Span Development and Occupation (3) (F) (P: OCCT major; C: OCCT 3008, 3014)  
OCCT 3007, 3011. Occupational Therapy Intervention I and Laboratory (4,1) (F) (P: OCCT 3006; C: OCCT 3009)  
OCCT 3008, 3016. Life Span Occupations and Laboratory (2,1) (F) (P: OCCT major; OCCT 3006; C: OCCT 3014)  
OCCT 3009. Practicum I (2) (S) (P: OCCT 3006; C: OCCT 3007)  
OCCT 3014. Observations in Occupation (2) (F) (P: OCCT major; C: OCCT 3007, 3009)  
OCCT 3015. Professional Seminar I (1) (S) (P: OCCT 3006; C: OCCT 3007, 3009)  
OCCT 3017. Human Physiology and Occupational Therapy (3) (F) (P: OCCT major)  
OCCT 3020. Health Impairments and Occupational Therapy I (4) (F) (P: OCCT major; HPRO 5011, 5012)  
OCCT 3021. Health Impairments and Occupational Therapy II (4) (S) (P: OCCT 3020)  
OCCT 4006, 4007. Functional Anatomy and Laboratory (3,1) (F) (P: HPRO 5011, 5012; PHLY 4330)  
OCCT 4008, 4009. Occupational Therapy Intervention II (4,1) (S) (P: HPRO 4340)  
OCCT 4012. Practicum II (2) (S) (C: OCCT 4008)  
OCCT 4014. Professional Seminar II (1) (F) (C: OCCT 4008, 4012)  
OCCT 4040. Leadership in Occupational Therapy (3) (S) (P: Senior standing; consent of instructor)  
OCCT 4041, 4042. Occupational Therapy Intervention III and Laboratory (4,1) (4041:WI\*) (S) (P: HPRO 5030, 5031; OCCT 4006, 4007)  
OCCT 4043. Practicum III (2) (S) (C: OCCT 4041)  
OCCT 4045. Professional Seminar III (1) (S) (C: OCCT 4041, 4043)  
OCCT 4051, 4052. Level II Fieldwork (6,6) (F,S) (P: Completion of all course work and level I practicum experiences)
4. **Occupational therapy electives ..... 3-9 s.h.**  
OCCT 4047. Directed Independent Study (3) (WI) (S) (P: Senior standing in OCCT)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

## DEPARTMENT OF PHYSICIAN ASSISTANT STUDIES

Edward D. Huechtker, Chairperson, West Academic Building, West Research Campus

## BS in Physician Assistant

Physician assistant majors must pass all health professions and physician assistant core courses with a minimum numerical grade of 75 percent. A student earning less than a grade of 75 percent in any of these courses must petition the Department of Physician Assistant studies for probationary continuation. A student must have completed all general education requirements in 1. and 2., below, and must have a minimum cumulative 2.5 GPA to be eligible to apply for admission into the professional phase of the physician assistant curriculum. (See physician assistant admissions packet for specific admission information.) Minimum degree requirement is **136 s.h.** of credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)

CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

**2. Health professions core ..... 12 s.h.**

HIMA 3000. Introduction to Medical Terminology (2) (F,S,SS)

HPRO 5011, 5012. Gross Anatomy (5,0) (P: Enrolled in OCCT or PTHE or consent of dept chair)

PHLY 4330. Human Physiology (5) (F) (P: BIOL 1050, 1051; CHEM 1120)

**3. Physician assistant core ..... 57 s.h.**

PADP 3000. The Role of the Physician Assistant and the History, Philosophy and Ethics of Medical Practice (1) (WI) (SS)

PADP 3150. Clinical Medicine I (5) (F)

PADP 3250. Clinical Medicine II (4) (S)

PADP 3300. Physical Diagnosis (4) (WI) (F)

PADP 3400. Communications Skills for Physician Assistants (1) (WI) (F)

PADP 3500. Pharmacology (3) (S)

PADP 3650. Surgery and Emergency Medicine Skills (4) (S)

PADP 3800. Behavioral Medicine and Psychosocial Issues in Health Care (2) (S)

PADP 3900. Public Health and Preventive Medicine (2) (S)

PADP 4310. Behavioral Medicine Clinical Practicum (3) (F,S,SS)

PADP 4320. Internal Medicine Clinical Practicum (5) (F,S,SS)

PADP 4330. Family Medicine Clinical Practicum (5) (F,S,SS)

PADP 4340. General Surgery Clinical Practicum (5) (F,S,SS)

PADP 4350. Emergency Medicine Clinical Practicum (3) (F,S,SS)

PADP 4360. Pediatrics Clinical Practicum (3) (F,S,SS)

PADP 4370. Obstetrics and Gynecology Clinical Practicum (3) (F,S,SS)

PADP 4600. Advanced Clinical Practicum (2) (F,S,SS)

PADP 4700. Advanced Clinical Practicum (2)

**4. Cognates ..... 25 s.h.**

BIOL 1100, 1101. Principles of Biology I (4,0) (F,S,SS) (GE:SC)

BIOL 2110, 2111. Fundamentals of Microbiology (4,0) (F,S) (P: 4 s.h. in BIOL; 8 s.h. in CHEM)

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)

BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor) or MATH

2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent)

CHEM 1130. Basic General, Organic, and Biochemistry II (3) (F,S,SS) (GE:SC) (P: CHEM 1120)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

CHEM 1131. Basic General, Organic, and Biochemistry Laboratory II (1) (F,S,SS) (GE:SC)  
CHEM 2650. Organic Chemistry for the Life Sciences (4) (F) (P: CHEM 1160, 1161)  
CHEM 2651. Organic Chemistry Lab for the Life Sciences (1) (F) (C: CHEM 2650)

### DEPARTMENT OF REHABILITATION STUDIES

*Lloyd R. Goodwin, Jr., Interim Chairperson, 312 Belk Building*  
*Martha Chapin, Director, Undergraduate Rehabilitation Services*

#### BS in Rehabilitation Services

Admission to the BS in rehabilitation services program requires a minimum cumulative 2.5 GPA and an application. Applications should be submitted when the student is nearing completion of 42 s.h. Additional information and application for admission can be obtained from the Department of Rehabilitation Studies. A faculty adviser will be assigned to each student admitted to the department to aid in planning an overall program of study. Undergraduate students majoring in rehabilitation services are encouraged to minor in an established area consistent with individual academic and career goals or to take a composite minor of structured electives approved by the faculty adviser and department chair. Majors must earn a minimum grade of C in all REHB courses. Minimum degree requirement is **121 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or equivalent
- 2. Core ..... 48 s.h.**  
BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor) or equivalent  
HLTH 3010. Health Problems I (3) (F) (P: BIOL 2130, 2131)  
PSYC 2275. Psychology of Adjustment (3) (F,S)  
PSYC 4375. Abnormal Psychology (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)  
PSYC 5325. Introduction to Psychological Testing (3) (F,S,SS) (P: Statistics course; PSYC 1000 or 1060)  
REHB 2000. Survey of Community Resources in Rehabilitation and Health Care (3) (S)  
REHB 2003. Alcohol and Drug Abuse: Health and Social Problems (3) (F,S)  
REHB 3010. Case Management in Rehabilitation (3) (VI) (S) (P: REHB major or consent of instructor)  
REHB 4000. Interviewing Techniques for Health and Rehabilitation Settings (3) (F) (P: REHB major)  
REHB 4993, 4994, 4995, 4996. Rehabilitation Services Internship (3,3,3,3) (F,S,SS) (VI\*) (P: REHB major; REHB 3010, 4000; consent of instructor; 2.5 GPA)  
SOCW 2010. Introduction to Social Work Practice with Special Populations (3) (F,S,SS) (P: SOCW 1010)  
Choose 6 s.h. from:  
REHB 5000. Introduction to Rehabilitation (3) (F)  
REHB 5100. Occupational Analysis and Placement (3) (F) (P for nonmajor: Consent of instructor)  
REHB 5400. Introduction to Vocational Evaluation (3) (F) (P: Graduate or senior standing; consent of instructor or dept chair)
- 3. Cognates ..... 5 s.h.**  
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)
- 4. Minor or structured electives to complete requirements for graduation.**

#### Alcohol and Drug Studies Minor

*Jerry F. Lotterhos, Coordinator, 312 Belk Building*

A course may not count for both a major and minor. If a course listed in the minor is used to meet a major requirement, additional minor electives must be taken. Minimum requirement for the alcohol and drug studies minor is **24 s.h.** as follows:

- 1. Core ..... 15 s.h.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

PSYC 2275. Psychology of Adjustment (3) (FS)  
 PSYC 4375. Abnormal Psychology (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)  
 REHB 2003. Alcohol and Drug Abuse: Health and Social Problems (3) (FS)  
 REHB 5793. Treatment of Alcohol and Drug Addiction (3) (S) (P: REHB 2003 or consent of instructor)  
 REHB 5796. Contemporary Alcohol/Drug Abuse Issues (3) (F) (P: REHB 5793)

**2. Electives (Choose from the following.) ..... 9 s.h.**

ASLS 2020. Sign Language Studies I (3) (F,S,SS)  
 CDFR 1103. Marriage and Family Relations (3) (F,S,SS)  
 HLTH 3515. AIDS HIV Disease in Modern Society (3) (S) (P: HLTH 1000 or consent of instructor)  
 HLTH 5345. Alcoholism in Health Education (3) (F)  
 PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)  
 PSYC 3300. Psychology of Personality (3) (FS) (GE:SO)  
 REHB 5000. Introduction to Rehabilitation (3) (F)  
 SOCI 2111. Modern Social Problems (3) (F,S,SS) (GE:SO) (P: SOCI 2110)  
 SOCI 3220. Sociology of Deviant Behavior (3) (F,S,SS) (GE:SO) (P: SOCI 2110)



# SCHOOL OF ART

Michael Dorsey, Dean, 2000 Jenkins Fine Arts Center

Arthur J. Haney, Associate Dean

Phil Phillips, Associate Dean

## BA in Art

Art studio concentrations are offered in painting, sculpture, ceramics, printmaking, communication arts, textile design, fabric design, weaving design, wood design, and metal design. Minimum degree requirement is **120 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including the following ..... 42 s.h.**  
PHIL 2271. Introduction to Philosophy of Art (3) (WI\*) (FS) (GE:HU)
- 2. Foreign language through level 1004 ..... 12 s.h.**
- 3. Common core ..... 30 s.h.**  
ART 1005. Design I (3) (F,SS) (GE:FA) (P: ART major or administrative approval)  
ART 1015. Design II (3) (F,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)  
ART 1020. Drawing (3) (WI\*) (F,SS) (GE:FA) (P: ART major or administrative approval)  
ART 1030. Figure Drawing (3) (F,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)  
ART 1905. The Dimensions of Art (3) (FS) (GE:FA) (P: ART major)  
ART 1906. Art History Survey (3) (FS) (GE:FA) (P: ART 1905)  
ART 1907. Art History Survey (3) (FS) (GE:FA) (P: ART 1905)  
Choose 6 s.h. art surveys outside the concentration  
Choose a 3 s.h. art history elective
- 4. Art concentration courses to include survey (See specific studio concentration course description.) ..... 15 s.h.**
- 5. Art electives ..... 12 s.h.**  
Electives may be in any art prefix, including art history. Choose a minimum of 6 s.h. outside the area of concentration; however, the 6 s.h. may not comprise two courses from the same area.
- 6. Electives to meet minimum requirements for graduation.**
- 7. Individual program areas require a portfolio review for acceptance into the area after the student has completed the survey course and one upper-level studio course but not more than two courses. Entrance is competitive and space is limited. Students not accepted into their preferred program or area of concentration should be prepared to seek alternative areas of concentration and/or degree programs.**
- 8. A senior show and slides of work exhibited are requirements for graduation.**

## BA in Art History and Appreciation

Minimum degree requirement is **120 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including the following ..... 42 s.h.**  
ANTH 1000. Introduction to Anthropology (3) (F,SS) (GE:SO)  
HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,SS) (GE:SO)  
HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,SS) (GE:SO)  
PHIL 2271. Introduction to Philosophy of Art (3) (WI\*) (FS) (GE:HU)  
Choose two from:  
ENGL 3460. Classical Mythology (3) (F) (GE:HU) (P: ENGL 1200)  
ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (GE:HU) (P: ENGL 1200)  
ENGL 3610. Human Values in Literature (3) (WI) (F-EY) (GE:HU) (P: ENGL 1200)
- 2. Foreign language (French or German) through level 1004 ..... 12 s.h.**
- 3. Common core ..... 36 s.h.**  
ART 1005. Design I (3) (F,SS) (GE:FA) (P: ART major or administrative approval)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.

Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

ART 1020. Drawing (3) (WI\*) (FS) (GE:FA) (P: ART major or administrative approval)  
 ART 1905. The Dimensions of Art (3) (FS) (GE:FA) (P: ART major)  
 ART 1906. Art History Survey (3) (FS) (GE:FA) (P: ART 1905)  
 ART 1907. Art History Survey (3) (FS) (GE:FA) (P: ART 1905)  
 ART 3990. Seminar in Art History (3) (WI\*) (P: ART 1906, 1907; P for nonmajor: Consent of instructor)  
 Choose three courses which cover art before 1800  
 Choose three courses which cover art after 1800  
 (African art will be counted in the latter category; history of prints and drawings may be counted in either category)

**4. Concentration area (Choose one.) ..... 21 s.h.**

**Liberal Arts:**

Choose 6 s.h. of additional art history electives  
 Choose 15 s.h. electives from anthropology, English, foreign languages, history, philosophy, or area studies

**Studio Art:**

ART 1015. Design II (3) (FS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)  
 ART 1030. Figure Drawing (3) (FS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)  
 Choose 9 s.h. art surveys  
 Choose 6 s.h. art electives (may be taken in art history)

**5. Electives to meet minimum requirements for graduation.**

**6. A senior paper in art history and an exit exam are requirements for graduation.**

### BFA in Art

Concentrations are offered in painting, sculpture, ceramics, printmaking, communication arts/graphic design, communication arts/illustration, communication arts/photography, textile design, fabric design, weaving design, wood design, and metal design. Minimum degree requirement is **126 s.h.** of credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including the following ..... 42 s.h.**

PHIL 227I. Introduction to Philosophy of Art (3) (WI\*) (FS) (GE:HU)

**2. Common core ..... 36 s.h.**

ART 1005. Design I (3) (F,S,SS) (GE:FA) (P: ART major or administrative approval)  
 ART 1015. Design II (3) (F,S,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)  
 ART 1020. Drawing (3) (WI\*) (F,S,SS) (GE:FA) (P: ART major or administrative approval)  
 ART 1030. Figure Drawing (3) (F,S,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)  
 ART 1905. The Dimensions of Art (3) (FS) (GE:FA) (P: ART major)  
 ART 1906. Art History Survey (3) (FS) (GE:FA) (P: ART 1905)  
 ART 1907. Art History Survey (3) (FS) (GE:FA) (P: ART 1905)  
 Choose 9 s.h. art surveys outside the concentration  
 Choose 6 s.h. art history electives

**3. Art concentration courses to include survey (See specific studio concentration course description.) ..... 30 s.h.**

**4. Art electives ..... 18 s.h.**

Electives may be in any art prefix, including art history. Choose a minimum of 6 s.h. outside the area of concentration; however, the 6 s.h. may not comprise two courses from the same area.

**5. Individual program areas require a portfolio review for acceptance into the area after the student has completed the survey course and at least one upper-level studio course but not more than four courses. Entrance is competitive and space is limited. Students not accepted into their preferred program or area of concentration should be prepared to seek alternative areas of concentration and/or degree programs.**

**6. An approved senior show and slides of work exhibited are requirements for graduation.**

**BFA students with a concentration in painting must take at least 9 s.h. of drawing courses beyond the foundation requirements and at least 18 s.h. of painting courses beyond the survey, including at**

## SECTION 7: DEGREES

**least 3 s.h. at the 4000 level. Acceptance into the area by portfolio review is required for admittance into 4000-level painting courses.**

### BFA in Art Education

See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **134 s.h.** of credit as follows:

- 1. General education requirements and special courses required for certification (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including the following ..... 42 s.h.**
  - PHIL 227I. Introduction to Philosophy of Art (3) (WI\*) (F,S) (GE:HU)
  - PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)
- 2. Core ..... 63 s.h.**
  - ART 1005. Design I (3) (F,S,SS) (GE:FA) (P: ART major or administrative approval)
  - ART 1015. Design II (3) (F,S,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)
  - ART 1020. Drawing (3) (VI\*) (F,S,SS) (GE:FA) (P: ART major or administrative approval)
  - ART 1030. Figure Drawing (3) (F,S,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)
  - ART 1905. The Dimensions of Art (3) (F,S) (GE:FA) (P: ART major)
  - ART 1906. Art History Survey (3) (F,S) (GE:FA) (P: ART 1905)
  - ART 1907. Art History Survey (3) (F,S) (GE:FA) (P: ART 1905)
  - ART 2010. Printmaking Survey (3) (F,S) (P: ART 1015, 1030)
  - ART 2560. Painting Survey: Materials and Methods (3) (F,S,SS) (P: ART 1015, 1030)
  - Choose a 3 s.h. art survey elective
  - Choose 15 s.h. studios in one area
  - Choose a 3 s.h. art history elective
  - Choose 9 s.h. art electives
  - Choose 3 s.h. from:
    - ART 2300. Metal Design Survey (3) (F,S,SS) (P: ART 1015, 1030)
    - ART 2304. Wood Design Survey (3) (F,S) (P: ART 1015, 1030)
    - ART 2303. Textile Design Survey (3) (F,S) (P: ART 1015, 1030)
  - Choose 3 s.h. from:
    - ART 2105. Ceramics Survey (3) (F,S,SS) (P: ART 1015, 1030)
    - ART 2705. Sculpture Survey (3) (F,S,SS) (P: ART 1015, 1030)
- 3. Professional credits ..... 29 s.h.**
  - ART 2123. Early Experiences for the Prospective Teacher (1) (WI\*) (F,S)
  - ART 2870. Computers in Art Education (1) (F,S) (P: ART 1015, 1030)
  - ART 385I. Art in the Elementary School (3) (VI\*) (F,S) (P: Junior standing)
  - ART 3860. Classroom Participation in Art (1) (F,S) (P: Junior standing)
  - ART 4323. Art in the Secondary School (3) (F,S) (P: Junior standing; admission to upper division)
  - ART 4325. Internship Seminar: Issues in Art Education (0) (F,S) (P: Senior standing; admission to upper division;  
ART 2123, 385I, 3860, 4323; successful completion of professional education courses except ART 4850, 4870)
  - ART 4850. Art Internship in Elementary Education (5) (F,S) (P: Senior standing; admission to upper division; ART 2123, 385I, 3860, 4323; successful completion of professional education courses except ART 4325, 4870)
  - ART 4870. Art Internship in Secondary Education (5) (F,S) (P: Senior standing; admission to upper division; ART 2123, 385I, 3860, 4323; successful completion of professional education courses except ART 4325, 4850)
  - EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)
  - EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division) or  
PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)
  - READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)
  - SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

- Individual program areas require a portfolio review for acceptance into the area after the student has completed the survey course and one upper-level studio course but not more than two courses. Entrance is competitive and space is limited. Students not accepted into their preferred program or area of concentration should be prepared to seek alternative areas of concentration and/or degree programs.
- An approved senior show and slides of work exhibited are requirements for graduation.
- Art education majors must demonstrate computer literacy before admittance to the upper division of teacher education. This requirement can be met by verification of competency by experience or by taking a computer course.
- Certification additionally requires demonstrated teaching competence and recommendations from the certifying institution.

### Art Minor

Minimum requirement for the art minor is **30 s.h.** credit as follows:

- Core** ..... **18 s.h.**  
 ART 1005. Design I (3) (F,S,SS) (GE:FA) (P: ART major or administrative approval)  
 ART 1015. Design II (3) (F,S,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)  
 ART 1020. Drawing (3) (VI\*) (F,S,SS) (GE:FA) (P: ART major or administrative approval)  
 ART 1030. Figure Drawing (3) (F,S,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)  
 ART 1905. The Dimensions of Art (3) (F,S) (GE:FA) (P: ART major)  
 Choose 3 s.h. from:  
     ART 1906. Art History Survey (3) (F,S) (GE:FA) (P: ART 1905)  
     ART 1907. Art History Survey (3) (F,S) (GE:FA) (P: ART 1905)
- Electives** ..... **12 s.h.**  
 Choose 6 s.h. art surveys  
 Choose 6 s.h. art electives

### Course Limitations Prior to Portfolio Review

For the BA degree and BFA art education degree, up to two courses beyond the survey in the selected area may be taken before a portfolio submission is required. For the BFA degree, up to four courses beyond the survey in the selected area may be taken before a portfolio submission is required. Students will not be accepted into specific concentrations after completing the above number of courses. Exceptions are by administrative decision only.

### Transfer Student Information

Students wishing to transfer art credits after acceptance to East Carolina University (See Section 3, Admission, Transfer) must have their course work evaluated for transfer credit. In order to determine the appropriate application of art course credit to degree requirements at ECU, the School of Art will evaluate each art course according to the following:

- Art courses for which transfer credit is requested must be listed on the School of Art transcript form. The items to be included are title of the course, number of the course, semester or quarter credit hours, and full name of instructor.
- A catalog or copies of appropriate pages describing the transfer course must be submitted.
- For foundation credit, examples of work or slides showing all studio projects completed must be submitted.
- For upper-level credit, a minimum of six and a maximum of fifteen examples of work or slides for each studio course to be evaluated must be submitted. These examples should show the entire range of projects completed in each course. Each item or slide must be labeled to identify the class in which it was produced.
- Art history course credit must be accompanied by a listing of texts used and submission of copies of papers written for art history; the latter requirement may be waived in lieu of an interview with the curricular coordinator.
- Credit transferred from two-year institutions will only be applicable to freshman and sophomore course requirements.
- Recommendations concerning the approval of credit in art courses will be made by the area coordinator to the dean. The dean will then inform the student of the applicability of credit and remaining requirements for the degree program.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

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All information and examples of work listed above must be received by the School of Art at least one week before summer orientation day for transfer students entering fall semester and no later than December 1 for students entering spring semester.

### Non-Art Majors

ART 1001 and courses under Art History Courses for Non-Art Majors may be taken by non-art majors without administrative approval. ART 1005, 1020 are also open to non-art majors based on available space and administrative approval. Other courses may be taken by meeting prerequisites or by consent of the instructor.

### Foundation Courses

Foundation courses: ART 1005, 1015, 1020, 1030, 1905, 1906, 1907 are required of all BFA and BA degree candidates and are prerequisites for upper-level courses. (ART 1015 and 1030 are not required for the BA in art history liberal arts concentration.) ART 1906, 1907 may be taken concurrently with survey-level courses.

Enrollment in any art studio course above ART 1030 is dependent upon the student earning a minimum grade of C in both ART 1015 and 1030.

Corresponding sections of ART 1005, 1020, 1905 (block scheduling) must be taken fall semester. Exceptions require administrative approval.

Corresponding sections of ART 1015, 1030; 1906 or 1907 (block scheduling) must be taken in spring semester. Exceptions require administrative approval.

Prerequisites within an area, exclusive of the foundation courses (ART 1005, 1015, 1020, 1030), may be waived by consent of the instructor.

### Course Contact Hours

Lecture courses meet for one hour for each semester hour of credit; studio courses meet for two hours for each semester hour of credit.

### Communication Arts

Graphic design students take ART 2200 and 27 s.h., including the following courses: ART 2210, 2220, 3200, 3210, 3230; 4200 or 4210; 5210.

Illustration students take ART 2200, 2210, 2220, 3200, 3210, 3230, 3240; 3551 or 3560 or 3561; 4230, 5230.

Photography students take ART 2200, 2210, 2220, 3200, 3210, 3250, 4220, 4240, 4250, 5220.

BA candidates take ART 2200, 2210, 2220, 3200, 3230.

Communication arts courses explore creative problem solving in graphic design, illustration, and photography. Students will be introduced to various techniques utilized in dealing with issues in communication and aesthetics.

## SCHOOL OF BUSINESS

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*Ernest B. Uhr, Dean, 3119 Bate Building*

*Richard L. Kerns, Associate Dean*

*Louis H. Zincone, Jr., Associate Dean*

The School of Business provides an environment where students, faculty, and business professionals can pursue the acquisition of applied and theoretical knowledge relevant to the operation of profit and nonprofit organizations. The school, which consists of five departments, offers the BSBA degrees in decision sciences, finance, management, management accounting, and marketing; the five-year BSA/MSA and a stand-alone MSA program in professional accounting; and the MBA degree. The school also offers a tax option in the professional accounting program as well as health care and apparel textiles options in the MBA program. Graduates are expected to be prepared to be managers and analysts in large and small organizations that operate on both a profit and nonprofit basis. In addition, the faculty is engaged in the expansion of knowledge through research. The school supports the business practitioner through the Division of Professional Programs, Bureau of Business Research, Small Business Institute, and applied research projects in both graduate and undergraduate classes. The school supports primary and secondary education in the state through its Center for Economic Education.

### **Accreditation**

The undergraduate and master's business programs are accredited by the American Assembly of Collegiate Schools of Business. Since the primary objective of accreditation and the School of Business is to foster high quality in education for business administration and management, most of the school's resources are dedicated to its degree programs. Consequently, nonbusiness majors will not be permitted to enroll in more than 30 s.h. of undergraduate course credit offered by the School of Business.

### **Admission**

Students enrolled at either East Carolina University or other institutions may be considered for admission to the School of Business, if the following requirements have been met.

1. Completion of a minimum of 45 s.h. or 60 q.h.
2. Cumulative GPA of 2.5 on 4.0 scale.
3. Completion of courses listed below or equivalent course work with a minimum grade of C in each and a 2.5 average over the eight courses: ACCT 2401, 2521; ECON 2113, 2133; FINA 2244; DSCI 2223; MATH 1066, 2283.

Students who desire to pursue the BSA/MSA or BSBA degree must be admitted to the School of Business before they enroll in 4000-level business courses. Preference in registration will be given to declared majors and intended majors with a minimum 2.5 GPA. Students not admitted to the School of Business may take a maximum of 30 s.h. total of 2000- and 3000-level business courses. However, special permission from the accounting chairperson is required for 3000-level accounting courses for nonbusiness majors.

The admission of a student seeking a second undergraduate degree in the School of Business must be approved by the chair of the department in which the student will concentrate. At the time of such approval, the chair will also approve the specific courses which will lead to the receipt of the second degree.

### **Readmission**

Students applying for readmission to the university who were previously enrolled in the School of Business and who have been out of school no more than three academic years must have a minimum GPA of 2.0 to be eligible for readmission to the School of Business.

Students previously enrolled in the School of Business who have been out of school more than three academic years and students who were previously enrolled in the university but not in the School of Business must meet the requirements for admission outlined in the section above.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## DEPARTMENT OF ACCOUNTING

Edwin A. Doty, Chairperson, 3208 Bate Building

### BSBA in Management Accounting

The BSBA in management accounting does not satisfy the educational prerequisites nor provide a comprehensive program of training for professional certification. Students aspiring to achieve professional certification should refer to the requirements for the BSA/MSA degree program. Students pursuing the BSBA in management accounting must earn a minimum grade of C in accounting courses to satisfy any upper-level accounting course prerequisites. Also, to graduate, students must earn a minimum grade of C and a minimum cumulative GPA of 2.0 in all 3000- and 4000-level accounting courses taken. Minimum degree requirement is **120 s.h.** of credit as follows:

- 1. General education requirements (See Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
  - BIOL 1060. Environmental Biology (4) (F,S,SS) (GE:SC) or CHEM 1020. General Descriptive Chemistry (4) (GE:SC) or GEOL 1700. Environmental Geology (4) (F,S) (GE:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (GE:SC)
  - COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)
  - ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)
  - ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)
  - MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
  - PHIL 2274. Business Ethics (3) (VI\*) (F,S,SS) (GE:HU) or PHIL 2275. Professional Ethics (3) (VI\*) (F,S,SS) (GE:HU)
  - PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)
  - SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)
- 2. Cognates ..... 6 s.h.**
  - ENGL 3880. Writing for Business and Industry (3) (VI) (F,S,SS) (P: ENGL 1200)
  - MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
- 3. Business Core ..... 36 s.h.**
  - ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)
  - ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)
  - DSCI 2223. Introduction to Computers (3) (F,S,SS)
  - DSCI 3023. Management Science I (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283)
  - DSCI 3063. Management Information Systems I (3) (F,S,SS) (P: DSCI 2223)
  - DSCI 3123. Operations Management (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283; C: MGMT 3202)
  - FINA 2244. Legal Environment of Business (3) (F,S,SS)
  - FINA 3724. Financial Management (3) (F,S,SS) (P: ECON 2113; MATH 2283; P/C: ACCT 2521)
  - MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)
  - MGMT 4842. Business Policy (3) (F,S,SS) (P: DSCI 3123; FINA 3724; MKTG 3832; declared major in the School of Business; senior standing)
  - MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
  - Choose one international perspectives course from:
    - ACCT 4451. International Accounting (3) (F,S) (P: FINA 3724)
    - FINA 4454. International Finance (3) (S) (P: FINA 3724)
    - MGMT 3352. International Business (3) (F,S,SS) (P: MGMT 3202)
    - MKTG 3852. Cultural Environment of International Business (3) (F,S) (P: Junior standing; completion of a minimum of 3 s.h. in ECON [may be specified by dept])
    - MKTG 4992. International Marketing (3) (VI) (F,S) (P: MKTG 3832)
- 4. Core ..... 24 s.h.**
  - ACCT 3551. Intermediate Accounting I (3) (F,S,SS) (P: ACCT 2521; P/C: FINA 3724)
  - ACCT 3561. Intermediate Accounting II (3) (F,S,SS) (P: ACCT 3551)
  - ACCT 3621. Cost Accounting (3) (F,S) (P: ACCT 2521)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

ACCT 461I. Controllership I (3) (WI) (F,S) (P: ACCT 3561)  
 ACCT 462I. Controllership II (3) (F,S) (P: ACCT 3561; DSCI 3063)  
 ACCT 465I. Accounting Information Systems (3) (F,S) (P: ACCT 3561; DSCI 3063)  
 FINA 3244. Commercial Law (3) (F,S) (P: FINA 2244 or consent of instructor)

Choose 3 s.h. from:

DSCI 4393. Forecasting and Statistics for Operations Analysis (3) (S) (P: DSCI 3123 or equivalent)  
 DSCI 4743. Materials Management (3) (F) (P: DSCI 3123)  
 FINA 3824. Financial Analysis and Planning (3) (F,S) (P: FINA 3724)  
 MGMT 4402. Human Resource Management (3) (F,S) (P: MGMT 3202)

## 5. Electives (non-business electives to complete 60 s.h. outside the School of Business)

### BSA/MSA (Five-Year, Combined Degree Program in Accounting)

The master of science in accounting provides academic preparation for professional careers in accounting. Students who successfully complete all program requirements are jointly awarded the BSA and MSA degrees at the end of five years of study.

Students who have been admitted to both the School of Business and the Department of Accounting may apply for admission to the BSA/MSA program during their sixth semester. Acceptance decisions are made after completion of 90 s.h. and are based on academic performance appropriate for graduate studies, score on the Graduate Management Admissions Test (GMAT), letters of recommendation, and other relevant information. Admission to the graduate program is a prerequisite to enrollment in any graduate course.

Applications for direct admission into the MSA program are invited from students with undergraduate degrees in accounting and from students with degrees in areas other than accounting. Required courses and other program requirements for each applicant must be individually determined. Minimum degree requirement for the combined program is **150 s.h.** of credit as follows:

## 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)  
 MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:SO) (P: Appropriate score on mathematics placement test or approval of dept chair)  
 PHIL 2275. Professional Ethics (3) (WI\*) (F,S,SS) (GE:HU)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

## 2. Cognates ..... 9 s.h.

ENGL 2730. Functional Grammar (3) (WI) (F,S,SS) (P: ENGL 1200) or ENGL 3870. Introduction to Editing and Abstracting (3) (F,S) (P: ENGL 1200)  
 ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)  
 MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

## 3. Business core ..... 48 s.h.

ACCT 240I. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)  
 ACCT 252I. Managerial Accounting (3) (F,S,SS) (P: ACCT 240I)  
 ACCT 670I. Law for Professional Accountants (3) (P: Candidate for graduation or consent of MSA adviser)  
 DSCI 2223. Introduction to Computers (3) (F,S,SS)  
 DSCI 3023. Management Science I (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283)  
 DSCI 3063. Management Information Systems I (3) (F,S,SS) (P: DSCI 2223)  
 DSCI 3123. Operations Management (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283; C: MGMT 3202)  
 DSCI 4293. Statistical Analysis (3) (F,S) (P: MATH 1066, 2283)  
 FINA 2244. Legal Environment of Business (3) (F,S,SS)  
 FINA 3724. Financial Management (3) (F,S,SS) (P: ECON 2113; MATH 2283; P/C: ACCT 252I)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science



SECTION 7: DEGREES

- FINA 6604. Financial Management II (3) (P: DSCI 6123; FINA 6144)
- MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)
- MGMT 4842. Business Policy (3) (F,S,SS) (P: DSCI 3123; FINA 3724; MKTG 3832; declared major in the School of Business; senior standing)
- MGMT 6832. Human Resources (3) (P: MGMT 6102)
- MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
- Choose 3 s.h. from:
  - ACCT 4451. International Accounting (3) (F,S) (P: FINA 3724)
  - FINA 4454. International Finance (3) (S) (P: FINA 3724)
  - MGMT 3352. International Business (3) (F,S,SS) (P: MGMT 3202)
  - MKTG 3852. Cultural Environment of International Business (3) (F,S) (P: Junior standing; completion of a minimum of 3 s.h. in ECON [may be specified by dept])
  - MKTG 4992. International Marketing (3) (VI) (F,S) (P: MKTG 3832)

4. Core ..... 36 s.h.

- ACCT 3551. Intermediate Accounting I (3) (F,S,SS) (P: ACCT 2521; P/C: FINA 3724)
- ACCT 3561. Intermediate Accounting II (3) (F,S,SS) (P: ACCT 3551)
- ACCT 3621. Cost Accounting (3) (F,S) (P: ACCT 2521)
- ACCT 3731. Advanced and Nonprofit Accounting (3) (F,S) (P: ACCT 3561)
- ACCT 4651. Accounting Information Systems (3) (F,S) (P: ACCT 3561; DSCI 3063)
- ACCT 6611. Auditing (3) (F,S) (P: ACCT 4651 or consent of MSA adviser)
- ACCT 6801. Accounting Theory (3) (P: Consent of MSA adviser)
- ACCT 6811. Cost Accounting Theory (3) (P: Consent of MSA adviser) or ACCT 6911. Research in Taxation (3) (P: ACCT 6981; consent of MSA adviser) or ACCT course above 6600
- ACCT 6891. Federal Income Taxation (3) (P: ACCT 3561 or consent of MSA adviser)
- ACCT 6901. Advanced Federal Taxation (3) (P: ACCT 3731, 6891; or consent of MSA adviser)
- ACCT 6951. Auditing Seminar (3) (P: To be taken during final semester or consent of MSA adviser)
- ACCT 6981. The Professional Accounting Environment (3) (P: Candidate for graduation)

5. Undergraduate electives to complete requirements for graduation: 6 s.h. nonbusiness electives to complete 60 s.h. outside the School of Business (DSCI 4293 serves as an AACSB approved outside the School of Business course). 9 s.h. may be in business and accounting courses not listed above. A minimum grade of C is required to satisfy any upper-level accounting prerequisites.

The Department of Accounting will not accept for credit upper-level courses (those numbered 3000 or above at ECU) taken at a junior college or community college. The department chairperson will determine on an individual basis the extent to which upper-level courses taken at senior colleges may be used to meet degree requirements at East Carolina University. All other East Carolina University Graduate School and School of Business requirements must be followed. Students not completing the entire curriculum will be required to meet the BSBA requirements in order to receive a bachelor's degree. The BSA degree may not be awarded separately from the MSA.

DEPARTMENT OF DECISION SCIENCES

Scott Dellana, Chairperson, 3410 Bate Building

BSBA in Decision Sciences

The decision sciences department offers the bachelor's degree with concentrations in management information systems and operations management, providing students with a strong technical background on which to build interpersonal and problem-solving skills. Minimum degree requirement is 120 s.h. of credit as follows:

1. General education requirements (See Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

BIOL 1060. Environmental Biology (4) (F,S,SS) (GE:SC) or CHEM 1020. General Descriptive Chemistry (4) (GE:SC) or  
 GEOL 1700. Environmental Geology (4) (F,S) (GE:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (GE:SC)  
 COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)  
 MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics  
 placement test or approval of dept chair)  
 PHIL 2274. Business Ethics (3) (WI\*) (F,S,SS) (GE:HU) or PHIL 2275. Professional Ethics (3) (WI\*) (F,S,SS) (GE:HU)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

**2. Cognates..... 6 s.h.**

ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)  
 MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

**3. Business Core ..... 36 s.h.**

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)  
 ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)  
 DSCI 2223. Introduction to Computers (3) (F,S,SS)  
 DSCI 3023. Management Science I (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283)  
 DSCI 3063. Management Information Systems I (3) (F,S,SS) (P: DSCI 2223)  
 DSCI 3123. Operations Management (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283; C: MGMT 3202)  
 FINA 2244. Legal Environment of Business (3) (F,S,SS)  
 FINA 3724. Financial Management (3) (F,S,SS) (P: ECON 2113; MATH 2283; P/C: ACCT 2521)  
 MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)  
 MGMT 4842. Business Policy (3) (F,S,SS) (P: DSCI 3123; FINA 3724; MKTG 3832; declared major in the School  
 of Business; senior standing)  
 MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)  
 Choose one international perspectives course from:  
 ACCT 4451. International Accounting (3) (P: FINA 3724)  
 FINA 4454. International Finance (4) (S) (P: FINA 3724)  
 MGMT 3352. International Business (3) (F,S,SS) (P: MGMT 3202)  
 MKTG 3852. Cultural Environment of International Business (3) (F,S) (P: Junior standing; completion of a minimum  
 of 3 s.h. in ECON [may be specified by dept])  
 MKTG 4992. International Marketing (3) (WI) (F,S) (P: MKTG 3832)

**4. Concentration area (Choose one.) ..... 18 s.h.**

**Management Information Systems:**

DSCI 3673. Software Design and Development (3) (F,S) (P: DSCI major; DSCI 3063)  
 DSCI 4103. Decision Support Systems (3) (F,S) (P: DSCI 3063)  
 DSCI 4113. Data Base Management Systems (3) (F,S) (P: DSCI 3063)  
 DSCI 4123. Distributed Information Systems (3) (F,S) (P: DSCI 3063)  
 DSCI 4133. Information Systems Management (3) (WI) (F,S) (P: DSCI 3063)  
 DSCI 4163. Management Information Systems II (3) (F,S) (P: DSCI 3063)

**Operations Management:**

DSCI 4383. Technology in Business Operations (3) (S) (P: DSCI 3123)  
 DSCI 4493. Management and Analysis of Quality (3) (F) (P: MATH 2283 or 2228 or equivalent)  
 DSCI 4733. Project Management (3) (S) (P: DSCI 3023)  
 DSCI 4743. Materials Management (3) (F) (P: DSCI 3123)  
 Choose 6 s.h. from:  
 ACCT 3621. Cost Accounting (3) (F,S) (P: ACCT 2521)  
 DSCI 4163. Management Information Systems II (3) (F,S) (P: DSCI 3063)  
 MANF 3020. Manufacturing Processes (3) (WI\*) (F,S,SS) (P: ITEC 2090; MANF 2076, 2077)  
 MKTG 4662. Marketing Research (3) (WI) (F,S,SS) (P: MKTG 3832; MATH 2283)

## SECTION 7: DEGREES

### 5. Electives (non-business electives to complete 60 s.h. outside the School of Business)

#### DEPARTMENT OF FINANCE

Stanley G. Eakins, Chairperson, 3420 Bate Building

#### BSBA in Finance

The BSBA in finance offers the student an opportunity to study financial analysis and financial markets and institutions. Concentrations are offered in managerial finance and financial services. Students interested in pursuing a career in real estate should select the financial services concentration, choosing FINA 4604 as the concentration electives and FINA 4574 as a general elective. Students interested in pursuing a banking career should select the managerial finance concentration, choosing FINA 4654 as one of the two concentration electives. Minimum degree requirement is **120 s.h.** of credit as follows:

#### 1. General education requirements (See Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

BIOL 1060. Environmental Biology (4) (F,S,SS) (GE:SC) or CHEM 1020. General Descriptive Chemistry (4) (GE:SC) or  
GEOL 1700. Environmental Geology (4) (F,S) (GE:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (GE:SC)  
COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)  
MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)  
PHIL 2274. Business Ethics (3) (WI\*) (F,S,SS) (GE:HU) or PHIL 2275. Professional Ethics (3) (WI\*) (F,S,SS) (GE:HU) (WI\*)  
PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

#### 2. Cognates ..... 6 s.h.

ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)  
MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

#### 3. Business Core ..... 36 s.h.

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)  
ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)  
DSCI 2223. Introduction to Computers (3) (F,S,SS)  
DSCI 3023. Management Science I (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283)  
DSCI 3063. Management Information Systems I (3) (F,S,SS) (P: DSCI 2223)  
DSCI 3123. Operations Management (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283; C: MGMT 3202)  
FINA 2244. Legal Environment of Business (3) (F,S,SS)  
FINA 3724. Financial Management (3) (F,S,SS) (P: ECON 2113; MATH 2283; P/C: ACCT 2521)  
MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)  
MGMT 4842. Business Policy (3) (F,S,SS) (P: DSCI 3123; FINA 3724; MKTG 3832; declared major in the School of Business; senior standing)  
MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)  
Choose one international perspectives course from:  
ACCT 4451. International Accounting (3) (P: FINA 3724)  
FINA 4454. International Finance (4) (S) (P: FINA 3724)  
MGMT 3352. International Business (3) (F,S,SS) (P: MGMT 3202)  
MKTG 3852. Cultural Environment of International Business (3) (F,S) (P: Junior standing; completion of a minimum of 3 s.h. in ECON [may be specified by dept])  
MKTG 4992. International Marketing (3) (WI) (F,S) (P: MKTG 3832)

#### 4. Concentration area (Choose one.) ..... 18 s.h.

##### Financial Services:

FINA 3144. Financial Markets (3) (F,S) (P: ECON 2113)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

FINA 3554. Principles of Real Estate (3) (FS) (P: ACCT 2401; ECON 2133)

FINA 3904. Investments (3) (FS) (P: ECON 2133; FINA 3724)

FINA 4404. Security Analysis and Portfolio Management (3) (S) (P: FINA 3904)

FINA 4854. Estate and Retirement Planning (3) (S) (P: FINA 3724)

Choose 3 s.h. from (Students interested in real estate should select 4604 and 4574 [to be counted as a general elective]):

FINA 3244. Commercial Law (3) (FS) (P: FINA 2244 or consent of instructor)

FINA 3874. Insurance Planning (3) (F) (P: FINA 3724)

FINA 4574. Real Estate Management and Brokerage (3) (S) (P: FINA 3554)

FINA 4604. Real Estate Financing (3) (F) (P: FINA 3554, 3724)

### Managerial Finance:

FINA 3144. Financial Markets (3) (FS) (P: ECON 2113)

FINA 3824. Financial Analysis and Planning (3) (FS) (P: FINA 3724)

FINA 3904. Investments (3) (FS) (P: ECON 2133; FINA 3724)

FINA 4734. Financial Management II (3) (FS) (P: FINA 3824)

Choose 6 s.h. from (Students interested in banking should choose 4654 as one of the electives.):

ACCT 3551. Intermediate Accounting I (3) (F,S,SS) (P: ACCT 2521; P/C: FINA 3724)

ACCT 3621. Cost Accounting (3) (F,S,SS) (P: ACCT 2521)

FINA 3554. Principles of Real Estate (3) (FS) (P: ACCT 2401; ECON 2133)

FINA 4404. Security Analysis and Portfolio Management (3) (S) (P: FINA 3904)

FINA 4454. International Finance (3) (S) (P: FINA 3724)

FINA 4654. Commercial Bank Management (3) (F) (P: FINA 3144, 3824)

FINA 4964. Topics in Finance (3) (P: Consent of dept chair)

## 5. Electives (non-business electives to complete 60 s.h. outside the School of Business)

### DEPARTMENT OF MANAGEMENT

*Joseph Tomkiewicz, Chairperson, 3106 Bate Building*

### BSBA in Management

The BSBA in management offers students the opportunity to acquire knowledge in the management of human and physical resources and to acquire skills useful in the management of domestic and international organizations. Minimum degree requirement is **120 s.h.** of credit as follows:

#### 1. General education requirements (See Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

BIOL 1060. Environmental Biology (4) (F,S,SS) (GE:SC) or CHEM 1020. General Descriptive Chemistry (4) (GE:SC) or

GEOL 1700. Environmental Geology (4) (F,S) (GE:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (GE:SC)

COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)

ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)

MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)

PHIL 2274. Business Ethics (3) (VI\*) (F,S,SS) (GE:HU) or PHIL 2275. Professional Ethics (3) (VI\*) (F,S,SS) (GE:HU)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

#### 2. Cognates ..... 6 s.h.

ENGL 3880. Writing for Business and Industry (3) (VI) (F,S,SS) (P: ENGL 1200)

MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

#### 3. Business Core ..... 36 s.h.

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)

ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)

DSCI 2223. Introduction to Computers (3) (F,S,SS)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
(GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
(GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

DSCI 3023. Management Science I (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283)  
DSCI 3063. Management Information Systems I (3) (F,S,SS) (P: DSCI 2223)  
DSCI 3123. Operations Management (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283; C: MGMT 3202)  
FINA 2244. Legal Environment of Business (3) (F,S,SS)  
FINA 3724. Financial Management (3) (F,S,SS) (P: ECON 2113; MATH 2283; P/C: ACCT 2521)  
MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)  
MGMT 4842. Business Policy (3) (F,S,SS) (P: DSCI 3123; FINA 3724; MKTG 3832; declared major in the School of Business; senior standing)  
MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)  
Choose one international perspectives course from:  
ACCT 4451. International Accounting (3) (P: FINA 3724)  
FINA 4454. International Finance (4) (S) (P: FINA 3724)  
MGMT 3352. International Business (3) (F,S,SS) (P: MGMT 3202)  
MKTG 3852. Cultural Environment of International Business (3) (F,S) (P: Junior standing; completion of a minimum of 3 s.h. in ECON [may be specified by dept])  
MKTG 4992. International Marketing (3) (WI) (F,S) (P: MKTG 3832)

### 4. Concentration area (Choose one.) ..... 18-27 s.h.

#### Entrepreneurship and Small Business Management (18 s.h.):

MGMT 4242. Organizational Behavior (3) (F,S) (P: MGMT 3202) or PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS)  
MGMT 4252. Entrepreneurship (3) (WI) (F) (P: FINA 3724; MGMT 3202; MKTG 3832)  
MGMT 4262. Small Business Management (3) (WI) (F,S) (P: FINA 3724; MGMT 3202; MKTG 3832)  
Choose 9 s.h. from:  
DSCI 4743. Materials Management (3) (F) (P: DSCI 3123)  
FINA 3824. Financial Analysis and Planning (3) (F,S) (P: FINA 3724)  
MGMT 4272. Managing the Family Business (3) (WI) (S) (P: MGMT 3202)  
MGMT 4352. Management in a Global Economy (3) (S) (P: MGMT 3352 or MKTG 4992 or FINA 4454)  
MGMT 4402. Human Resource Management (3) (F,S) (P: MGMT 3202)  
MGMT 4482. Managerial Negotiation (3) (F,S) (P: MGMT 3202)  
MKTG 4362. Retail Management (3) (F,S) (P: MKTG 3832)  
MKTG 4662. Marketing Research (3) (WI) (F,S,SS) (P: MKTG 3832; MATH 2283)  
MKTG 4732. Consumer Behavior (3) (F,S,SS) (P: MKTG 3832)  
MKTG 4752. Advertising and Promotion Management (3) (F,S) (P: MKTG 3832)

#### International Business (27 s.h.):

Choose six courses beyond the one business core international perspectives course requirement (ACCT 4451; ANTH 2010 or POLS 2020; FINA 4454; MGMT 3352, 4352; MKTG 3852, 4992)  
Competency in one foreign language as demonstrated by scoring Intermediate-High on the Listening and Reading sections and Intermediate-Mid on the Speaking and Writing sections of the ACTFL Test.  
Minimum of one semester abroad, enrolled in an approved academic program with a focal world region.  
Choose 9 s.h. based on one of the following world regions chosen by the student (not more than two courses from any one dept):

##### Africa/Middle East:

ANTH 3003. Cultures of Africa (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
COMM 3180. Intercultural Communication (3) (P: COMM 1001 or 1002)  
ECON 3353. Economics of Underdeveloped Countries (3) (GE:SO) (P: ECON 2133)  
GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (GE:SO)  
GEOG 3050. Africa (3) (S) (GE:SO)  
HIST 3670. History of the Middle East (3) (WI\*) (GE:SO)  
HIST 3810. History of Africa (3) (WI\*) (GE:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

PHIL 2690. World Religions (3) (GE:HU)  
 POLS 3265. African Political Systems (3) (S) (GE:SO)

#### **Asia:**

ANTH 3002. Cultures of East Asia (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
 ANTH 3009. Motherhood of God in Asian Traditions (3) (EY) (GE:SO)  
 COMM 3180. Intercultural Communication (3) (P: COMM 1001 or 1002)  
 ECON 3353. Economics of Underdeveloped Countries (3) (GE:SO) (P: ECON 2133)  
 GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (GE:SO)  
 GEOG 3050. Africa (3) (S) (GE:SO)  
 HIST 3611. History of the Far East Since 1600 (3) (GE:SO)  
 HIST 3620. History of Modern Japan (3) (GE:SO)  
 PHIL 2690. World Religions (3) (GE:HU)  
 POLS 3280. South Asian Political Systems (3) (SS)

#### **Europe:**

COMM 3180. Intercultural Communication (3) (P: COMM 1001 or 1002)  
 ECON 3353. Economics of Underdeveloped Countries (3) (GE:SO) (P: ECON 2133)  
 GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (GE:SO)  
 GEOG 3003. Political Geography (3) (WI) (S) (GE:SO)  
 HIST 3435. History of Europe Since 1914 (3) (GE:SO)  
 HIST 3450. History of Modern Germany (3) (GE:SO)  
 PHIL 2690. World Religions (3) (GE:SO)  
 POLS 3234. West European Political Systems (3) (F) (GE:SO)  
 POLS 3235. East European Political Systems (3) (S) (GE:SO)  
 POLS 3236. The Soviet Successor States (3) (F) (GE:SO)

#### **Latin America:**

ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
 ANTH 3018. Cultures of South and Central America (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
 COMM 3180. Intercultural Communication (3) (P: COMM 1001 or 1002)  
 ECON 3353. Economics of Underdeveloped Countries (3) (GE:SO) (P: ECON 2133)  
 GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (GE:SO)  
 GEOG 3049. South America (3) (WI) (F) (GE:SO)  
 HIST 3711. Introduction to Latin-American History: Since 1808 (3) (WI\*) (GE:SO)  
 HIST 3780. Mexico and Central America (3) (WI\*) (GE:SO)  
 PHIL 2690. World Religions (3) (GE:HU)

#### **Management (18 s.h.):**

MGMT 4242. Organizational Behavior (3) (FS) (P: MGMT 3202) or PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS)  
 MGMT 4482. Managerial Negotiation (3) (FS) (P: MGMT 3202)  
 Choose 12 s.h. from:  
 MGMT 4342. Organizational Change and Development (3) (FS)  
 MGMT 4343. Organizational Leaders and Leadership (3) (FS)  
 MGMT 4252. Entrepreneurship (3) (WI) (F) (P: FINA 3724; MGMT 3202; MKTG 3832)  
 MGMT 4352. Management in a Global Economy (3) (F) (P: MGMT 3352 or MKTG 4992 or FINA 4454)  
 MGMT 4402. Human Resource Management (3) (FS) (P: MGMT 3202)  
 MGMT 4422. Labor Relations (3) (F) (P: MGMT 3202)  
 MGMT 4952. Topics in Management (3) (FS) (P: MGMT 3202; consent of dept chair)

#### **5. Electives (non-business electives to complete 60 s.h. outside the School of Business)**

## SECTION 7: DEGREES

### DEPARTMENT OF MARKETING

Roger P. McIntyre, Chairperson, 3414 Bate Building

#### BSBA in Marketing

The BSBA in marketing facilitates an understanding of the buying decision-making process and the interpretation of marketing research, while gaining indepth knowledge of retailing, international marketing, business and organizational marketing, selling and sales management, electronic commerce, advertising, and marketing strategy. Minimum degree requirement is **120 s.h.** of credit as follows:

**1. General education requirements (See Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

BIOL 1060. Environmental Biology (4) (F,S,SS) (GE:SC) or CHEM 1020. General Descriptive Chemistry (4) (GE:SC) or  
GEOL 1700. Environmental Geology (4) (F,S) (GE:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (GE:SC)  
COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)  
MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)  
PHIL 2274. Business Ethics (3) (VI\*) (F,S,SS) (GE:HU) or PHIL 2275. Professional Ethics (3) (VI\*) (F,S,SS) (GE:HU)  
PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
SOC 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

**2. Cognates ..... 6 s.h.**

ENGL 3880. Writing for Business and Industry (3) (VI) (F,S,SS) (P: ENGL 1200)  
MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

**3. Business Core ..... 36 s.h.**

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)  
ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)  
DSCI 2223. Introduction to Computers (3) (F,S,SS)  
DSCI 3023. Management Science I (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283)  
DSCI 3063. Management Information Systems I (3) (F,S,SS) (P: DSCI 2223)  
DSCI 3123. Operations Management (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283; C: MGMT 3202)  
FINA 2244. Legal Environment of Business (3) (F,S,SS)  
FINA 3724. Financial Management (3) (F,S,SS) (P: ECON 2113; MATH 2283; P/C: ACCT 2521)  
MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)  
MGMT 4842. Business Policy (3) (F,S,SS) (P: DSCI 3123; FINA 3724; MKTG 3832; declared major in the School of Business; senior standing)  
MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)  
Choose one international perspectives course from:  
ACCT 4451. International Accounting (3) (P: FINA 3724)  
FINA 4454. International Finance (4) (S) (P: FINA 3724)  
MGMT 3352. International Business (3) (F,S,SS) (P: MGMT 3202)  
MKTG 3852. Cultural Environment of International Business (3) (F,S) (P: Junior standing; completion of a minimum of 3 s.h. in ECON [may be specified by dept])  
MKTG 4992. International Marketing (3) (VI) (F,S) (P: MKTG 3832)

**4. Concentration Area (Choose one.) ..... 18 s.h.**  
**Electronic Commerce:**

DSCI 4113. Data Base Management Systems (3) (F) (P: DSCI 3063)  
DSCI 4123. Distributed Information Systems (3) (S) (P: DSCI 3063)  
FINA 3824. Financial Analysis and Planning (3) (F,S) (P: FINA 3724)  
MKTG 4532. Business and Organizational Marketing (3) (F,S) (P: MKTG 3832)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

MKTG 4790. Distribution Management (3) (P: MKTG 3832)  
 MKTG 4975. Electronic Commerce (3) (FS) (P: MKTG 3832)

### **Marketing:**

MKTG 4562. Marketing Strategy (3) (F,S,SS) (P: MKTG 3832; additional 6 s.h. in MKTG)  
 MKTG 4662. Marketing Research (3) (WI) (F,S,SS) (P: MKTG 3832; MATH 2283)  
 MKTG 4732. Consumer Behavior (3) (F,S,SS) (P: MKTG 3832)

Choose 9 s.h. of 4000-level MKTG electives, at least 3 s.h. of which must be from:

MKTG 4362. Retail Management (3) (P: MKTG 3832)  
 MKTG 4532. Business and Organizational Marketing (3) (FS) (P: MKTG 3832)  
 MKTG 4790. Distribution Management (3) (P: MKTG 3832)

The School of Business will not accept for credit upper-level courses (numbered 3000 and 4000 at East Carolina University) taken at a junior or community college. The department chair will determine the applicability of upper-level courses taken at senior colleges in meeting the BSBA degree requirements. No course may count as a School of Business concentration requirement and also count as fulfilling the business core requirements of the School of Business.

### **Business Administration Minor**

It is recommended that the courses required for the business administration minor be taken in the order listed. The minor requires **27 s.h.** of credit as follows:

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 DSCI 2223. Introduction to Computers (3) (F,S,SS)  
 FINA 2244. Legal Environment of Business (3) (F,S,SS)  
 ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: DSCI 2223)  
 MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent) or equivalent introductory statistics course. If another statistics course is substituted, an additional business course numbered 3000 or above will be required to meet requirements for the minor.  
 FINA 3724. Financial Management (3) (F,S,SS) (P: ECON 2113; MATH 2283; P/C: ACCT 2521)  
 MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)  
 MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)

### **Bachelor's and Accelerated MBA Program**

Students in fields other than business who are interested in careers in private or public sector management may complete the BA or BS, and if qualified, may complete the master of business administration in one additional year. (See Section 6, Undergraduate Studies, Bachelor's and Accelerated MBA Program.)



# SCHOOL OF COMPUTER SCIENCE AND COMMUNICATION

Michael Poteat, Interim Dean, Erwin Building

The teaching mission of the School of Computer Science and Communication is to educate undergraduate and graduate students in the most exciting and popular areas of academics. The school is dedicated to the development of an innovative curriculum in all areas related to computer science and communication.

The school consists of two departments: computer science, and communication and broadcasting. The school offers undergraduate programs in computer science and communication. Both a BA and a BS program are available in computer science with areas of concentration in systems programming and data processing. The Department of Communication and Broadcasting offers a BA program with concentrations in journalism and public relations. The BS degree is offered with concentrations in electronic news, media performance, and media production.

## DEPARTMENT OF COMMUNICATION AND BROADCASTING

Dennis Cali, Interim Chairperson, Joyner East

### BA in Communication

The BA in communication prepares students to work in public relations and journalism in business, government, and community agencies. The program offers traditional courses in mass communication along with courses reflecting the dynamic interpersonal and technological communication changes of today's society. In order to declare a major in the BA in communication, a student must have a minimum cumulative 2.0 GPA, and must demonstrate a minimum 2.5 GPA in COMM 1001, 1002. Students who major in communication cannot minor in communication. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.)** ..... **42 s.h.**
- 2. Foreign language through level 1004** ..... **12 s.h.**
- 3. Core** ..... **15 s.h.**

COMM 1001. Introduction to Communication (3) (F,S) (GE:SO)

COMM 1002. Media Writing (3) (WI) (F,S,SS) (P: ENGL 1100)

COMM 2030. Communication Research (3) (F,S) (P: COMM 1001, 1002)

COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

COMM 4080. Senior Seminar (3) (F,S,SS) (P for COMM majors: Completion of 24 s.h. in COMM before registering for course)

- 4. Concentration area (Choose one.)** ..... **21 s.h.**
- Communication Studies (21 s.h.):**

Choose 6 s.h. from:

COMM 3110. Persuasion Theories (3) (P: COMM 1001, 1002)

COMM 3142. Small Group Communication (3) (P: COMM 1001, 1002)

COMM 3152. Interpersonal Communication Theory (3) (F) (GE:SO) (P: COMM 1001, 1002)

COMM 4130. Conflict and Communication (3) (P: COMM 3142 or 3152 or 3160)

COMM 4135. Gender and Communication (3) (F) (P: COMM 1001, 1002; or WOST 2000 or 2400)

Choose 3 s.h. from:

COMM 2250. Classic Documentaries: 1900-2000 (3) (P: COMM 1001, 1002)

COMM 3172. Media Effects (3) (GE:SO) (P: COMM 1001, 1002)

COMM 4040. Media, Culture, and Society (3) (F,S) (P: 15 s.h. COMM or consent of instructor)

Choose 3 s.h. from:

COMM 3110. Persuasion Theories (3) (P: COMM 1001, 1002)

COMM 3400. Argumentation (3) (P: COMM 1001, 1002; ENGL 1200)

COMM 3410. Advanced Public Speaking (3) (P: COMM 2410 or 2420)

COMM 4032. Mass Media Law (3) (F,S) (P: 18 s.h. COMM)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

Choose 3 s.h. from:

- COMM 3400. Argumentation (3) (P: COMM 1001, 1002; ENGL 1200)
- COMM 4400. Rhetorical Theory and Criticism (3) (P: COMM 1001, 1002; ENGL 1200)
- COMM 4905. Media Ethics (3) (VI) (FS) (P: 18 s.h. COMM or consent of instructor)

Choose 3 s.h. from:

- COMM 3160. Organizational Communication Theory (3) (P: COMM 1001, 1002)
- COMM 3180. Intercultural Communication (3) (P: COMM 1001, 1002)
- COMM 4040. Media, Culture, and Society (3) (FS) (P: 15 s.h. COMM or consent of instructor)

Choose 3 s.h. COMM electives

### **Public Relations (21 s.h.):**

- COMM 3120. Public Relations Theory (3) (FS) (P: COMM 1001, 1002)
- COMM 4032. Mass Media Law (3) (FS) (P: 18 s.h. COMM)
- COMM 4180. Public Relations Strategies (3) (VI) (FS) (P: COMM 3120)

Choose 3 s.h. from:

- COMM 3110. Persuasion Theories (3) (P: COMM 1001, 1002)
- COMM 3142. Small Group Communication (3) (P: COMM 1001, 1002)
- COMM 3152. Interpersonal Communication Theory (3) (F) (GE:SO) (P: COMM 1001 or 1002)
- COMM 3400. Argumentation (3) (P: COMM 1001, 1002; ENGL 1200)
- COMM 4130. Conflict and Communication (3) (P: COMM 3142 or 3152 or 3160)
- COMM 4135. Gender and Communication (3) (F) (P: COMM 1001, 1002; or WOST 2000 or 2400)
- COMM 4400. Rhetorical Theory and Criticism (3) (P: COMM 1001, 1002; ENGL 1200)

Choose 3 s.h. from:

- COMM 2104. Public Relations and Corporate Writing (3) (VI) (P: COMM 1001, 1002)
- COMM 3310. Copy Editing and Design (3) (FS,SS) (P: COMM 2320)
- COMM 3340. Desktop Publishing (3) (P: ENGL 1200; COMM 2320)
- COMM 3362. Visual Editing (3) (P: COMM 2320; consent of instructor)
- COMM 3500. Web Design for Communication Professionals (3) (P: COMM 1001, 1002; consent of instructor)

Choose 3 s.h. from:

- COMM 2250. Classic Documentaries: 1900-2000 (3) (P: COMM 1001, 1002)
- COMM 3172. Media Effects (3) (GE:SO) (P: COMM 1001, 1002)
- COMM 4040. Media, Culture, and Society (3) (FS) (P: 15 s.h. COMM or consent of instructor)
- COMM 4905. Media Ethics (3) (FS) (VI) (P: 18 s.h. COMM or consent of instructor)

Choose 3 s.h. from:

- COMM 3160. Organizational Communication Theory (3) (P: COMM 1001, 1002)
- COMM 3180. Intercultural Communication (3) (P: COMM 1001, 1002)
- COMM 3390. International News Communication (3) (S) (GE:SO) (P: COMM 1001, 1002)
- COMM 4091. Internship-Seminar (3) (FS,SS) (P: 18 s.h. COMM or consent of instructor)
- COMM 4185. International Public Relations (3) (P: COMM 3120)

### **Print Journalism (21 s.h.):**

- COMM 2320. Basic Reporting (3) (FS,SS) (VI) (P: COMM 1001, 1002)
- COMM 3320. Advanced Reporting (3) (VI) (FS) (P: COMM 2320)
- COMM 4032. Mass Media Law (3) (FS) (P: 18 s.h. COMM)

Choose 3 s.h. from:

- COMM 3310. Copy Editing and Design (3) (FS,SS) (P: COMM 2320)
- COMM 3340. Desktop Publishing (3) (P: ENGL 1200; COMM 2320)
- COMM 3362. Visual Editing (3) (P: COMM 2320; consent of instructor)
- COMM 3500. Web Design for Communication Professionals (3) (P: COMM 1001, 1002; consent of instructor)

Choose 3 s.h. from:

- COMM 3110. Persuasion Theories (3) (P: COMM 1001, 1002)
- COMM 3142. Small Group Communication (3) (P: COMM 1001, 1002)
- COMM 3152. Interpersonal Communication Theory (3) (F) (GE:SO) (P: COMM 1001, 1002)

## SECTION 7: DEGREES

COMM 3180. Intercultural Communication (3) (P: COMM 1001, 1002)

COMM 3390. International News Communication (3) (S) (GE:SO) (P: COMM 1001, 1002)

Choose 3 s.h. from:

COMM 2250. Classic Documentaries: 1900-2000 (3) (P: COMM 1001, 1002)

COMM 3172. Media Effects (3) (GE:SO) (P: COMM 1001, 1002)

COMM 4040. Media, Culture, and Society (3) (FS) (P: 15 s.h. COMM or consent of instructor)

COMM 4075. Media Criticism (3) (VI) (P: COMM 1001, 1002; or consent of instructor)

COMM 4905. Media Ethics (3) (FS) (VI) (P: 18 s.h. COMM or consent of instructor)

Choose 3 s.h. COMM electives.

### 5. Minor and general electives to complete requirements for graduation.

#### BS in Communication

The BS in communication, a professional degree program, prepares students to be news writers and broadcast journalists, audio and video specialists and performers, directors, and/or managers. The program is centered on applied mass media studies supported by a theoretical foundation. In order to declare a major in the BS in communication, the student must have a minimum cumulative 2.0 GPA and a minimum 2.5 GPA in COMM 1001, 1002. Students who major in communication may not minor in communication or electronic mass media studies. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.)** ..... **42 s.h.**
2. **Foreign language through level 1002** ..... **6 s.h.**
3. **Core** ..... **21 s.h.**

COMM 1001. Introduction to Communication (3) (FS) (GE:SO)

COMM 1002. Media Writing (3) (VI) (FS,SS) (P: ENGL 1100)

COMM 4032. Mass Media Law (3) (S) (P: 18 s.h. in COMM)

COMM 4080. Senior Seminar (3) (FS,SS) (P for COMM majors: Completion of 24 s.h. COMM before registering for course)

COMM 4905. Media Ethics (3) (FS) (VI) (P: 18 s.h. COMM or consent of instructor)

Choose 3 s.h. from:

COMM 3110. Persuasion Theories (3) (P: COMM 1001, 1002)

COMM 3142. Small Group Communication (3) (P: COMM 1001, 1002)

COMM 3152. Interpersonal Communication Theory (3) (F) (GE:SO) (P: COMM 1001, 1002)

COMM 3180. Intercultural Communication (3) (P: COMM 1001, 1002)

COMM 3390. International News Communication (3) (S) (GE:SO) (P: COMM 1001, 1002)

Choose 3 s.h. from:

COMM 2250. Classic Documentaries: 1900-2000 (3) (P: COMM 1001, 1002)

COMM 3172. Media Effects (3) (GE:SO) (P: COMM 1001, 1002)

COMM 4040. Media, Culture, and Society (3) (FS) (P: 15 s.h. COMM or consent of instructor)

COMM 4075. Media Criticism (3) (VI) (P: COMM 1001, 1002; or consent of instructor)

4. **Concentration area (Choose one.)** ..... **18-24 s.h.**

#### **Broadcast Journalism (18 s.h.):**

COMM 2210. Writing for the Electronic Mass Media (3) (VI) (FS,SS) (P: COMM 1001, 1002)

COMM 2220. Video Production (3) (FS,SS) (P: COMM 2210)

COMM 2230. Announcing (3) (FS,SS) (P: COMM 1001, 1002; consent of instructor)

COMM 2320. Basic Reporting (3) (FS,SS) (VI) (P: COMM 1001, 1002)

COMM 3220. Video Field Production (3) (FS,SS) (P: COMM 2220)

COMM 3320. Advanced Reporting (3) (VI) (FS) (P: COMM 2320)

#### **Media Production (24 s.h.):**

Must be taken in sequence:

COMM 2210. Writing for the Electronic Mass Media (3) (VI) (FS,SS) (P: COMM 1001, 1002)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

COMM 2220. Video Production (3) (F,S,SS) (P: COMM 2210)  
 COMM 3220. Video Field Production (3) (FS) (P: COMM 2220)  
 COMM 3250. Video Post Production Techniques (3) (P: COMM 3220)  
 COMM 3275. Advanced Video Production (3) (F,S,SS) (P: COMM 3250)  
 COMM 4210. Video Direction (3) (FS) (P: COMM 3275)  
 Choose 6 s.h. COMM electives

**Media Studies (24 s.h.):**

COMM 2030. Communication Research (3) (FS) (P: COMM 1001, 1002)

Choose 2 of the following areas:

Public Relations (9 s.h.):

COMM 2104. Public Relations and Corporate Writing (3) (WI) (P: COMM 1001, 1002)

COMM 3120. Public Relations Theory (3) (FS) (P: COMM 1001, 1002)

COMM 4180. Public Relations Strategies (3) (WI) (FS) (P: COMM 3120)

Journalism (9 s.h.):

COMM 2320. Basic Reporting (3) (F,S,SS) (WI) (P: COMM 1001, 1002)

COMM 3320. Advanced Reporting (3) (WI) (FS) (P: COMM 2320)

COMM 4240. International Electronic Mass Media Systems (3) (P: COMM 1001, 1002)

Media Production (9 s.h.):

COMM 2210. Writing for the Electronic Mass Media (3) (WI) (F,S,SS) (P: COMM 1001, 1002)

COMM 2215. Audio Production (3) (P: COMM 2210)

COMM 2220. Video Production (3) (P: COMM 2210)

Media Performance (9 s.h.):

COMM 2230. Announcing (3) (F,S,SS) (P: COMM 1001, 1002; consent of instructor)

COMM 2400. Oral Communication (3) (P: COMM 1001, 1002)

COMM 4220. Video Performance (3) (P: COMM 2230)

Choose 3 s.h. from:

COMM 3160. Organizational Communication Theory (3) (P: COMM 1001, 1002)

COMM 4040. Media, Culture, and Society (3) (FS) (P: 15 s.h. COMM or consent of instructor)

COMM 4091. Internship-Seminar (3) (F,S,SS) (P: 18 s.h. COMM or consent of instructor)

COMM 4185. International Public Relations (3) (P: COMM 3120)

**5. Minor or structured electives to complete requirements for graduation.**

(BS in communication majors may not minor in communication.)

**Communication Minor**

The communication minor focuses on public relations. The minimum requirement for the communication minor is **24 s.h.** of credit as follows:

**1. Core ..... 6 s.h.**

COMM 1001. Introduction to Communication (3) (FS) (GE:SO)

COMM 1002. Media Writing (3) (WI) (F,S,SS) (P: ENGL 1100)

**2. Choose from the following ..... 18 s.h.**

COMM 2030. Communication Research (3) (FS) (P: COMM 1001, 1002)

COMM 2104. Public Relations and Corporate Writing (3) (WI) (P: COMM 1001, 1002)

COMM 3110. Persuasion Theories (3) (P: COMM 1001, 1002)

COMM 3120. Public Relations Theory (3) (FS) (P: COMM 1001, 1002)

COMM 3142. Small Group Communication (3) (P: COMM 1001, 1002)

COMM 3152. Interpersonal Communication Theory (3) (F) (GE:SO) (P: COMM 1001, 1002)

COMM 3160. Organizational Communication Theory (3) (P: COMM 1001, 1002)

COMM 3172. Media Effects (3) (GE:SO) (P: COMM 1001, 1002)

COMM 3180. Intercultural Communication (3) (P: COMM 1001, 1002)

COMM 3390. International News Communication (3) (S) (GE:SO) (P: COMM 1001, 1002)

## SECTION 7: DEGREES

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COMM 4032. Mass Media Law (3) (FS) (P: 18 s.h. COMM)  
COMM 4040. Media, Culture, and Society (3) (FS) (P: 15 s.h. COMM or consent of instructor)  
COMM 4130. Conflict and Communication (3) (P: COMM 3142 or 3152 or 3160)  
COMM 4135. Gender and Communication (3) (P: COMM 1001, 1002; or WOST 2000 or 2400)  
COMM 4180. Public Relations Strategies (3) (WI) (FS) (P: COMM 3120)  
COMM 4185. International Public Relations (3) (F) (P: COMM 3120)  
COMM 4190. International Communication and the Foreign Media (3) (P: COMM 3390)

### Electronic Mass Media Studies Minor

The electronic mass media studies minor focuses on electronic and print journalism. The minimum requirement for the minor in electronic mass media studies is **24 s.h.** of credit as follows:

- 1. Core ..... 6 s.h.**
  - COMM 1001. Introduction to Communication (3) (FS) (GE:SO)
  - COMM 1002. Media Writing (3) (WI) (FS,SS) (P: ENGL 1100)
- 2. Choose from the following ..... 18 s.h.**
  - COMM 2030. Communication Research (3) (FS) (P: COMM 1001, 1002)
  - COMM 2210. Writing for the Electronic Mass Media (3) (WI) (FS,SS) (P: COMM 1001, 1002)
  - COMM 2250. Classic Documentaries: 1900-2000 (3) (P: COMM 1001, 1002)
  - COMM 2320. Basic Reporting (3) (WI) (FS) (P: COMM 1001, 1002)
  - COMM 3020. Producing Electronic Mass Media Messages (3) (P: COMM 1001, 1002)
  - COMM 3212. Non-News Media Features (3) (P: COMM 2320)
  - COMM 3235. Advanced Writing for Television Formats (3) (P: COMM 2210, 2320, 3020)
  - COMM 3311. Business and Economic Reporting (3) (P: COMM 3320; ECON 2113)
  - COMM 3320. Advanced Reporting (3) (WI) (FS) (P: COMM 2320)
  - COMM 3321. Investigative Reporting (3) (WI) (P: COMM 3320)
  - COMM 3325. Reporting for Visual Media (3) (P: COMM 2320)
  - COMM 3330. Feature Writing (3) (P: COMM 3320)
  - COMM 3390. International News Communication (3) (S) (GE:SO) (P: COMM 1001, 1002)
  - COMM 4032. Mass Media Law (3) (FS) (P: 18 s.h. COMM)
  - COMM 4040. Media, Culture, and Society (3) (FS) (P: 15 s.h. COMM or consent of instructor)
  - COMM 4050. Media Management (3) (P: COMM 1001, 1002)
  - COMM 4062. Media Sales and Promotions (3) (P: COMM 1001, 1002)
  - COMM 4075. Media Criticism (3) (WI) (P: COMM 1001, 1002; or consent of instructor)
  - COMM 4240. International Electronic Mass Media Systems (3) (P: COMM 1001, 1002)
  - COMM 4250. Programming for the Electronic Media (3) (P: COMM 1001, 1002)

### Communication Honors Program

The Department of Communication Honors Program provides an opportunity for outstanding communication majors to do intensive research in areas of special interest. Participation is limited to seniors who have obtained a minimum university and major 3.5 GPA. Students participating in the honors program enroll in COMM 4196 and 4199 in consecutive semesters of the senior year. Students, after consultation with their adviser, are strongly advised to begin exploration and preliminary research of their honors topic during the second semester of their junior year in order to have sufficient time to complete the work. After extensive reading on a topic of the student's choice, appropriate consultation with a faculty adviser, and approval of a research proposal, the student submits an honors thesis on a topic related to the readings and completes an oral examination covering both the reading assignments and the completed thesis. Students must receive a grade of B or better in COMM 4196 to continue with COMM 4199.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

## DEPARTMENT OF COMPUTER SCIENCE

Robert Bernhardt, Interim Chairperson, Austin Building

Students enrolled at East Carolina University or transferring from other institutions may be considered for admission to the Department of Computer Science provided the following departmental requirements are met. A student must have completed a minimum of 39 s.h. with a minimum cumulative 2.0 GPA and have a minimum 2.4 GPA computed on CSCI 2510, 2610, 2611.

**BA in Computer Science**

Credit toward a computer science major will not be given for any CSCI course with a grade less than C. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) ..... 42 s.h.**
- 2. Foreign language through level 1004 (preferably French, German, or Russian) ..... 12 s.h.**
- 3. Core ..... 34 s.h.**  
 CSCI 2510. Introduction to Computer Science I (3) (F,S,SS) (P: MATH 1065 or 1066)  
 CSCI 2610, 2611. Introduction to Computer Science II and Laboratory (4,0) (F,S,SS) (P: CSCI 2510; C for 2610: CSCI 2611; C for 2611: CSCI 2610)  
 CSCI 3510. Data Structures (3) (F,S,SS) (P: CSCI 2610; P/C: MATH 2427)  
 CSCI 3601. Computer Organization and Programming (3) (F,S) (P: CSCI 3510 or 3526)  
 CSCI 3675. Organization of Programming Language (3) (F,SS) (P: CSCI 3510)  
 CSCI 4200. Software Design and Development (3) (WI) (F,S) (P: CSCI 3510; CSCI major)  
 CSCI 4630. Operating Systems I (3) (S,SS) (P: CSCI 3601; CSCI major)  
 Choose 12 s.h. CSCI courses above 1999, excluding CSCI 2600, 3584, and 5774
- 4. Cognates ..... 6-7 s.h.**  
 CSCI/MATH 2427. Discrete Mathematical Structures (3) (F,S,SS) (P: MATH 1065 or 1066)  
 MATH 2119. Elements of Calculus (3) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C) or MATH 2122. Calculus for the Life Science II (3) (F,S,SS) (P: MATH 2121) or MATH 2171. Calculus I (4) (F,S,SS) (GE:MA) (P: MATH 1085 or 2122 with a minimum grade of C)
- 5. Minor and electives to complete requirements for graduation.**

**BS in Computer Science**

Credit toward a computer science major will not be given for any CSCI course with a grade less than C. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
 COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
 PHIL 2275. Professional Ethics (3) (WI\*) (F,S,SS) (GE:HU)
- 2. Common core ..... 22 s.h.**  
 CSCI 2510. Introduction to Computer Science I (3) (F,S,SS) (P: MATH 1065 or 1066)  
 CSCI 2610, 2611. Introduction to Computer Science II and Laboratory (4,0) (F,S,SS) (P: CSCI 2510; C for 2610: CSCI 2611; C for 2611: CSCI 2610)  
 CSCI 3510. Data Structures (3) (F,S,SS) (P: CSCI 2610; P/C: MATH 2427)  
 CSCI 3601. Computer Organization and Programming (3) (F,S) (P: CSCI 3510 or 3526)  
 CSCI 3675. Organization of Programming Language (3) (F,SS) (P: CSCI 3510)  
 CSCI 4200. Software Design and Development (3) (WI) (F,S) (P: CSCI 3510; CSCI major)  
 CSCI 4630. Operating Systems I (3) (S,SS) (P: CSCI 3601; CSCI major)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

### 3. Concentration area (Choose one.) ..... 12 s.h.

#### Applications Development:

- CSCI 2618. COBOL (3) (F) (P: CSCI 1610; 2600 or 2610)
- CSCI 3650. Analysis of Algorithms (3) (S) (P: CSCI 3510; MATH 2427)
- CSCI 3700. Database Management Systems (3) (F) (P: CSCI 2618 or 3510)
- CSCI 4510. Object-Oriented Computing and Graphical User Interfaces (3) (FS) (P: CSCI 3510)

#### Systems Development:

- CSCI 3526. Switching Theory and Computer Organization (3) (FS) (P: CSCI 2610; MATH 2427)
- CSCI 3650. Analysis of Algorithms (3) (S) (P: CSCI 3510; MATH 2427) or CSCI 4602. Theory of Automata and Linguistics (3) (F) (P: MATH 2427; CSCI major)
- CSCI 4520. Introduction to Computer Architecture (3) (S) (P: CSCI 3526, 3601; CSCI major)
- CSCI 4627. Procedural Languages and Compilers (3) (S) (P: CSCI 3601, 3675; CSCI major)

### 4. Supporting area of concentration (Choose one from a. through c.)\* ..... 12 s.h.

- a. Choose an additional 12 s.h. in MATH acceptable for a mathematics major
- b. Choose an additional 12 s.h. in ACCT and/or DSCI
- c. Choose an additional 12 s.h. in ELEC

### 5. Cognates..... 18-19 s.h.

- CSCI/MATH 2427. Discrete Mathematical Structure (3) (FS) (P: MATH 1065 or 1066)
- CSCI/MATH 3584. Computational Linear Algebra (3) (F,S,SS) (P: Calculus course)
- ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200) or ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
- MATH 2119. Elements of Calculus (3) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C) or MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121) or MATH 2171. Calculus I (4) (F,S,SS) (GE:MA) (P: MATH 1085 or 2122 with a minimum grade of C)
- MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent) or MATH 3307. Mathematical Statistics I (3) (FS) (P: MATH 2172)
- MATH 3308. Mathematical Statistics II (3) (F) (P: MATH 3307) or MATH 3229. Elementary Statistical Methods II (3) (FS) (P: MATH 3228 or equivalent) or CSCI 5774. Programming for Research (3) (FS) (P: General course in statistics or consent of instructor)

### 6. CSCI electives (excluding CSCI 2600, 5774) ..... 6 s.h.

### 7. Electives to complete requirements for graduation.

\*Requirements for 4. and 7., above, may be met by satisfying the requirements for a minor.

## Computer Science Minor

Minimum requirement for computer science minor is **25 s.h.** of credit as follows:

### 1. Core ..... 16 s.h.

- CSCI 2510. Introduction to Computer Science I (3) (F,S,SS) (P: MATH 1065 or 1066)
- CSCI 2610, 2611. Introduction to Computer Science II and Laboratory (4,0) (F,S,SS) (P: CSCI 2510; C for 2610; CSCI 2611; C for 2611: CSCI 2610)
- CSCI 3510. Data Structures (3) (F,S,SS) (P: CSCI 2610; P/C: MATH 2427)
- MATH 2119. Elements of Calculus (3) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C) or equivalent
- MATH 2427. Discrete Mathematical Structures (3) (F,S,SS) (P: MATH 1065 or 1066) or MATH 3256. Linear Algebra (3) (F,S,SS) (P: MATH 2172)

### 2. CSCI electives above 1999, excluding 3584 ..... 9 s.h.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

# SCHOOL OF EDUCATION

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*Marilyn A. Sheerer, Dean, 154 Speight Building*

*Mary W. Schmidt, Associate Dean*

*John A. Swope, Associate Dean*

*Parmalee P. Hawk, Director of Teacher Education*

The mission of the School of Education is the preparation of professional educators and allied practitioners, including professionals in business information systems, counseling, and librarianship. Significant to this mission is a strong commitment to three important, related areas: the encouragement and nurturing of professional growth for educators and allied practitioners at all levels and in all areas of the educational endeavor; a continuing emphasis on and support for scholarship and research/creative activity; and service in all areas of professional education.

The School of Education offers baccalaureate degree programs through the Departments of Business, Career, and Technical Education, and Curriculum and Instruction. All teacher education programs are accredited by the National Council for the Accreditation of Teacher Education (NCATE) and the North Carolina Department of Public Instruction.

## **Admission**

A faculty adviser will be assigned to each student to assist in program planning. Undergraduate teacher education majors may also be required to complete an approved academic concentration as part of their programs of study. Additional information about academic concentrations and specific program requirements is available in departmental offices.

Once enrolled in a teacher education program and prior to admission to the upper division of study, students will be required to have a minimum cumulative 2.5 GPA, post passing scores on PRAXIS I, and meet technology competency requirements. Students must maintain a 2.5 GPA for retention in the upper division of all teacher education programs. Additional information concerning admission to the upper division is available in the Office of Teacher Education, 106 Speight.

## **Requirements for Students Preparing to Teach**

The purpose of teacher education at East Carolina University is to prepare professional educators through partnerships who are academically and technically proficient, reflective in practice, committed to the intellectual empowerment of others, and guided by the larger democratic purposes of American education.

### ***Elementary, Middle Grades, and Special Education***

See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs and Special Requirements for the BS Degree for Students Preparing to Teach. See Licensure, below. See also the Department of Curriculum and Instruction. As part of their programs, majors will also complete an approved academic concentration from the list presented below. Students should consult their departmental adviser for specific program requirements.

### ***Secondary Education***

See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs and Special Requirements for the BS Degree for Students Preparing to Teach. See Licensure, below. See also the Departments of Business, Career, and Technical Education, and Curriculum and Instruction as well as departments and schools outside the School of Education offering this degree.

Students who aspire to complete the requirements for a BS degree in secondary teacher education must complete all general education requirements, the requirements stipulated by the department of the academic major, and the following professional credits: EDTC 4001; EDUC 3200; EDUC 4400 or PSYC 4305; READ 3990 or 5317; SPED 4010; unit prefix 2123, 4323, 4324, 4325. Majors in some programs will also complete an approved academic concentration from the list presented below. Students should consult their departmental adviser for specific program information.



## SECTION 7: DEGREES

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### ACADEMIC CONCENTRATIONS

A maximum of 6 s.h. may be counted toward general education.

#### **Anthropology (24 s.h.)**

ANTH 2000. Archaeology Around the World (3) (F,S) (GE:SO)

ANTH 2010. Societies Around the World (3) (F,S,SS) (GE:SO)

ANTH 2015. Introduction to Biological Anthropology (3) (WI\*) (F,S) (RP: A BIOL course)

Choose 6 s.h. from:

ANTH 3002. Cultures of East Asia (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3003. Cultures of Africa (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3004. Cultures of the South Pacific (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3005. North American Indians (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3016. Cultures of the Caribbean (3) (S) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

ANTH 3018. Cultures of South and Central America (3) (EY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (GE:SO)

GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (GE:SO)

Choose 9 s.h. ANTH electives of which 6 s.h. must be above 2999

#### **Biology (24 s.h.)**

BIOL 1050, 1051. General Biology and Laboratory (31) (F,S,SS) (GE:SC)

BIOL 1060. Environmental Biology (4) (F,S,SS) (GE:SC)

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)

BIOL 3230, 3231. Field Botany (4,0) (F,S,SS) (P: 3 s.h. of general BIOL with a lab) or BIOL 3240, 3241. Field Zoology (4,0) (F) (P: BIOL 1060 or 2250)

Choose 7 s.h. BIOL electives above 2999

#### **Chemistry (44 s.h.)**

CHEM 1150, 1151. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)

CHEM 1160, 1161. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)

CHEM 2250, 2251. Quantitative and Instrumental Analysis (32) (WI, WI) (F,S) (P: CHEM 1160, 1161; 1 organic CHEM course)

CHEM 2650. Organic Chemistry for the Life Sciences (4) (F) (P: CHEM 1160, 1161)

CHEM 2651. Organic Chemistry Lab for the Life Sciences (1) (F) (C: CHEM 2650)

CHEM 3450, 3451. Elementary Inorganic Chemistry and Laboratory (31) (WI, WI) (S) (P: CHEM 2250, 2251)

CHEM 3850, 3851. Introduction to Physical Chemistry (41) (WI, WI) (F) (P: CHEM 1160, 1161; MATH 2122 or 2172; PHYS 1260, 1261)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (GE:MA) (P: MATH 1065 or 1077 with a minimum grade of C)

MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121)

PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)

PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)

Choose recommended electives above 2999

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

**Child Studies (24 s.h.)**

CDFR 1103. Marriage and Family Relations (3) (F,S,SS) or SOCI 1025. Courtship and Marriage (3) (F,S,SS)  
 CDFR 2000. Child Development I: Prenatal Through Early Childhood (3) (F,S,SS)  
 CDFR 2001. Child Development II: Middle Childhood Through Young Adulthood (3) (F,S,SS)  
 CDFR 3002. Child in the Family (3) (F,S,SS) or PSYC 2201. Psychology of Childhood (3) (F,S,SS)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 Choose 9 s.h. CDFR electives above 2999

**Economics (24 s.h.)**

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)  
 ECON 3144. Intermediate Microeconomics (3) (F,S) (GE:SO) (P: ECON 2113)  
 ECON 3244. Intermediate Macroeconomics (3) (F,S) (GE:SO) (P: ECON 2133)  
 Choose 12 s.h. ECON electives above 2999

**English (24 s.h.)**

ENGL 2000. Interpreting Literature (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1100)  
 ENGL 2100. Major British Writers (3) (F,S) (WI) (GE:HU) (P: ENGL 1200) or ENGL 2200. Major American Writers (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)  
 ENGL 2700. Introduction to Language Studies (3) (WI) (F,S) (GE:HU) (P: ENGL 1200) or ENGL 2730. Functional Grammar (3) (WI) (F,S,SS) (P: ENGL 1200)  
 ENGL 3810. Advanced Composition (3) (WI) (F,S,SS) (P: ENGL 1200)  
 Choose one from:  
 ENGL 3260. Black Literature in America (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)  
 ENGL 3300. Women and Literature (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)  
 ENGL 3450. Northern European Mythology (3) (WI) (F,S,OY) (GE:HU) (P: ENGL 1200)  
 ENGL 3460. Classical Mythology (3) (F) (GE:HU) (P: ENGL 1200)  
 ENGL 3570. American Folklore (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)  
 ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (GE:HU) (P: ENGL 1200)  
 ENGL 3630. The Bible as Literature (3) (WI) (S) (GE:HU) (P: ENGL 1200)  
 ENGL 4360. World Literature in English (3) (WI) (S,EY) (GE:HU) (P: ENGL 1200)  
 Choose 9 s.h. ENGL electives of which 6 s.h. must be above 2999

**French (26 s.h.)**

FREN 2330. Review of Grammar (3) (P: FREN 1004 or equivalent)  
 FREN 3225. Advanced Conversation (3) (P: FREN 2330)  
 FREN 3330. Composition and Advanced Grammar (3) (WI) (P: FREN 2330)  
 Choose 9 s.h. from:  
 FREN 2440. Readings in the Culture of France I (3) (GE:HU) (P: FREN 1004)  
 FREN 2441. Readings in the Culture of France II (3) (GE:HU) (P: FREN 1004)  
 FREN 2442. Readings in the Francophone Cultures of the Americas (3) (GE:HU) (P: FREN 1004)  
 FREN 2443. Readings in the Francophone Cultures of Africa (3) (GE:HU) (P: FREN 1004)  
 Choose 8 s.h. FREN electives above 2999

**General Science (24 s.h.)**

SCIE 3602. Investigations in Physical and Earth Science for Elementary Majors (4) (F,S,SS)  
 SCIE 3604. Investigations in Life and Environmental Science for Elementary Education Majors (4) (F,S,SS)  
 Choose 4 s.h. biological science  
 Choose 4 s.h. physical science  
 Choose 8 s.h. electives above 2999 selected from BIOL, CHEM, GEOL, PHYS, SCIE

## SECTION 7: DEGREES

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### Geography (24 s.h.)

GEOG 1000. Introduction to Geography (3) (F,S,SS) (GE:SO)  
GEOG 1200. Introduction to Physical Geography (3) (F) (RC: GEOG 1201)  
GEOG 2003. Economic Geography (3) (WI) (F,S) (GE:SO)  
GEOG 3046. United States and Canada (3) (F) (GE:SO)  
Choose 3 s.h. GEOG elective selected in consultation with adviser  
Choose 3 s.h. from:  
GEOG 3047. Western Europe (3) (S) (GE:SO)  
GEOG 3049. South America (3) (WI) (F) (GE:SO)  
GEOG 3050. Africa (3) (WI) (S) (GE:SO)  
GEOG 3051. Asia (3) (S) (GE:SO)  
GEOG 3055. North Carolina (3) (F) (GE:SO)  
GEOG 3056. Middle America (3) (GE:SO)  
Choose 6 s.h. GEOG electives above 2999

### Geology (24 s.h.)

GEOL 1500. Dynamic Earth (3) (F,S,SS) (GE:SC)  
GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (GE:SC) (C: GEOL 1500)  
GEOL 1550. Oceanography (4) (S) (GE:SC)  
GEOL 1600. Earth and Life Through Time (4) (S) (GE:SC)  
Choose 12 s.h. GEOL electives above 2999

### German (24 s.h.)

GERM 2420. Culture of the German-Speaking World I (3) (GE:HU) (P: GERM 1004 or consent of dept chair)  
GERM 2421. Culture of the German-Speaking World II (3) (GE:HU) (P: GERM 1004 or consent of dept chair)  
GERM 3210. Conversation (3) (P: GERM 2420, 2421; or consent of dept chair)  
GERM 3330. Composition and Advanced Grammar (3) (P: GERM 2420, 2421; or consent of dept chair)  
GERM 3510. Introduction to German Literature (3) (GE:HU) (P: GERM 2420, 2421; or consent of dept chair)  
Choose 9 s.h. GERM electives above 2999

### Hispanic Studies (24 s.h.)

SPAN 2110. Cultural Readings in Spanish (3) (P: SPAN 1004 or consent of dept chair)  
SPAN 2222. Intermediate Spanish Conversation (3) (P: SPAN 1004 or consent of dept chair; RC: SPAN 2330) or  
SPAN 3220. Advanced Oral Communication Through Multimedia (3) (P: SPAN 2222 or consent of dept chair)  
SPAN 2330. Intermediate Composition and Review of Grammar (3) (WI) (P: SPAN 1004 or consent of dept chair; RC: SPAN 2222)  
SPAN 2440. Spanish Culture and Civilization (3) (WI\*) (P: SPAN 2222 or 2330 or consent of dept chair)  
SPAN 2441. Latin-American Culture and Civilization (3) (P: SPAN 2222 or 2330 or consent of dept chair)  
SPAN 2550. Approaches to the Study of Hispanic Literature (3) (GE:HU) (P: SPAN 2222 or 2330 or consent of dept chair)  
Choose 6 s.h. SPAN electives above 2999

### History (24 s.h.)

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO)  
HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) (GE:SO)  
HIST 1050. American History to 1877 (3) (WI\*) (F,S,SS) (GE:SO)  
HIST 1051. American History Since 1877 (3) (WI\*) (F,S,SS) (GE:SO)  
Choose 12 s.h. HIST electives of which 9 s.h. must be above 2999

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**Interdisciplinary Human Studies (24 s.h.)**

Choose 12 s.h. from the following:

- EXSS 3300. Applied Sports Psychology (3) (F) (P: PSYC 1000)
- HLTH 3030. Health Behavior Theory (3) (WI) (S) (P: HLTH 1000; PSYC 1000)
- HLTH 5310. Education for Human Sexuality (3)
- HLTH 5900. Stress Management (3) (P: Undergraduate course in anatomy and physiology; graduate standing; or consent of instructor)
- PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)
- PSYC 4350. Psychology of Sexual Behavior (3) (FS) (P: 6 s.h. of PSYC to include PSYC 1000 or 1060)
- REHB 2003. Alcohol and Drug Abuse: Health and Social Problems (3) (FS)
- SOCI 1025. Courtship and Marriage (3) (FS)
- SOCI 3325. Sociology of Human Sexuality (3) (F,S,SS) (GE:SO) (P: SOCI 2110 or consent of instructor)

Choose 12 s.h. from the following:

- BIOL 2130. Human Anatomy and Physiology (4) (F,S,SS) (GE:SC) (P: BIOL 1050, 1051; or 1100, 1101)
- EHST 2110. Introduction to Environmental Health Science (3) (FS)
- EXSS 3805. Exercise Physiology (3) (F,S,SS) (P: Health and human performance major or minor or consent of dept. chair; BIOL 2130, 2131)
- EXSS 4806. Exercise Evaluation and Prescription (4) (WI) (F,S,SS) (P: Health and human performance major or minor; EXSS 3805; or consent of chair)
- EXSS 5020. Exercise Adherence (3) (P: PSYC 1000; P/C: EXSS 4806; health and human performance major or minor or consent of instructor)
- HLTH 2125, 2126. First Aid and CPR (30) (F,S,SS) (P: HLTH 1000; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
- HLTH 3010. Health Problems I (3) (F) (P: BIOL 2130, 2131; HLTH 1000)
- NUHM 1000. Contemporary Nutrition (3) (F,S,SS) or NUHM 2105. Nutrition (3) (F,S,SS)

**Mathematics (24 s.h.)**

- MATH 1067. Algebraic Concepts and Relationships (3) (FS) (GE:MA) (P: Appropriate score on mathematics placement test)
- MATH 1077. Pre-Calculus Concepts and Relationships (3) (S) (P: MATH 1067)
- MATH 2121. Calculus for the Life Science I (3) (F,S,SS) (GE:MA) (P: MATH 1065 or 1077 with a minimum grade of C)
- MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121)
- MATH 2282. Data Analysis and Probability (3) (FS) (P: MATH 1067)
- MATH 3166. Euclidean Geometry (3) (F,S,SS) (P: MATH 1065 or 1067; 2127)
- MATH 3237. Discrete Mathematics (3) (F) (P: MATH 2121)
- MATH 3239. Applied Mathematics Via Modeling (3) (S) (P: MATH 2122, 2282, 3166, 3237)

**Philosophy (24 s.h.)**

- PHIL 1110. Introduction to Philosophy (3) (WI\*) (F,S,SS) (GE:HU)
  - PHIL 1175. Introduction to Ethics (3) (WI\*) (F,S,SS) (GE:HU)
  - PHIL 1500. Introduction to Logic (3) (F,S,SS) (GE:HU) (GE:MA)
  - PHIL 4270. Ethics (3) (WI\*) (GE:HU) (P: 6 s.h. in PHIL or consent of instructor)
- Choose 12 s.h. PHIL electives above 2999

**Physics (33 s.h.)**

- MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)
- MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (GE:MA) (P: MATH 1065 or 1077 with a minimum grade of C)
- MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121)
- PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
- PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

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PHYS 2021. Experimental Physics (1) (F-04) (P: PHYS 1261, 2260)

PHYS 2250, 2260, 2270. Advanced General Physics (3,3,3) (P: MATH 1085 or 2121; P/C: MATH 2122 or 2171)

Choose 6 s.h. PHYS electives above 2999

### Political Science (24 s.h.)

POLS 1010. National Government (3) (F,S,SS) (GE:SO)

Choose 1 course in American government

Choose 1 course in comparative government and politics

Choose 1 course in international relations

Choose 1 course in political theory and methodology

Choose 9 s.h. POLS electives above 2999

### Psychology (24-25 s.h.)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

PSYC 2101. Psychological Statistics (4) (F,S,SS) (GE:SO) (P: MATH 1065 or equivalent or MATH 2127) or MATH 2228.

Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent)

PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 3225. Psychology of Learning (3) (F,S,SS) (GE:SO) or PSYC 3226. Human Learning and Cognition (3) (GE:SO)

PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)

PSYC 4333. Contingency Management in the Classroom (3) (F,S) (P: PSYC 3225 or 3226)

PSYC 5325. Introduction to Psychological Testing (3) (P: Statistics course; PSYC 1000 or 1060)

Choose 3 s.h. PSYC electives

### Reading (25 s.h.)

READ 3204. Fundamentals of Reading (3) (F,S,SS) (P: Admission to upper division and ELEM 3250)

READ 3210. Assessment, Design, and Implementation of Elementary Classroom Reading Instruction (3) (F,S,SS)

(P: READ 3204)

READ 3205. Diagnostic/Prescriptive Teaching of Reading (3) (F,S,SS) (P: READ 3204; C: READ 3206)

READ 3206. Practicum in Diagnostic/Prescriptive Teaching of Reading (3) (F,S,SS) (P: READ 3204)

READ 5316. Applied Phonics (3)

READ 5317. Reading in the Junior and Senior High School (3)

Choose 9 s.h. from:

ELEM 3249. Literacy Development in Early Childhood (3) (F) (P: Admission to upper division)

ENGL 2730. Functional Grammar (3) (WI) (F,S,SS)

LIBS 3200. The Art of Storytelling (3) (S)

READ 4534. Problems in Reading (Topic: Literacy and Technology) (3) (F,S,SS) (P: Consent of instructor and dept chair)

SPED 2103. Introduction to Learning Disabilities (3) (F,S,SS) (P: SPED 2000)

### Social Studies (24 s.h.)

ANTH 3002. Cultures of East Asia (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor) or

GEOG 3049. South America (3) (WI) (F) (GE:SO) or GEOG 3051. Far East (3) (S) (GE:SO) or HIST 3611. History of the Far East Since 1600 (3) (GE:SO)

ANTH 3003. Cultures of Africa (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)

or GEOG 3050. Africa (3) (S) (GE:SO) or HIST 3710. Introduction to Latin-American History: Colonial Period (3)

(WI\*) (GE:SO) or HIST 3711. Introduction to Latin-American History: Since 1808 (3) (GE:SO) or HIST 3810. History of Africa (3) (WI\*) (GE:SO)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)

GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (GE:SO) or GEOG 2110. World Geography:

Less Developed Regions (3) (F,S,SS) (GE:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.

Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO) or HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) (GE:SO)  
 HIST 1050. American History to 1877 (3) (WI\*) (F,S,SS) (GE:SO) or HIST 1051. American History Since 1877 (3) (WI\*) (F,S,SS) (GE:SO)  
 HIST 3100. North Carolina History (3) (GE:SO)  
 POLS 1010. National Government (3) (F,S,SS) (GE:SO) or POLS 3265. African Political Systems (3) (S) (GE:SO)

### **Sociology (24 s.h.)**

SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)  
 SOCI 2111. Modern Social Problems (3) (F,S,SS) (GE:SO) (P: SOCI 2110)  
 SOCI 3222. Rural Sociology (3) (GE:SO) or SOCI 3225. Urban Sociology (3) (GE:SO) (P: SOCI 2110) or SOCI 3235. Population Trends and Problems (3) (GE:SO) (P: SOCI 2110)  
 SOCI 3385. History of Sociology (3) (WI) (F) (P: SOCI 2110)  
 Choose 12 s.h. SOCI electives above 2999

### **Teaching English as a Second Language (24 s.h.)**

ENGL 2700. Introduction to Language Studies (3) (F,S) (GE:HU) (P: ENGL 1200)  
 ENGL 2740. Language in the USA (3) (F) (GE:HU)  
 ENGL 3730. The Structure of English: Phonology and Morphology (3) (F)  
 ENGL 3740. The Structure of English: Syntax and Semantics (3) (F)  
 ENGL 3750. Introductory Linguistics (3) (S) (GE:HU) (P: ENGL 1200)  
 ENGL 4360. World Literature in English (3) (WI) (S-EY) (P: ENGL 1200)  
 ENGL 4710. Teaching English as a Second Language: Theories and Principles (3) (F)  
 ENGL 4720. Applied Linguistics for Language Teachers (3) (S) (P: ENGL 4710)

### **UPPER DIVISION OF TEACHER EDUCATION**

Prior to enrolling in selected professional education courses (see departmental requirements) and applying for the internship experience, all students must be admitted to the upper division of teacher education. Application for admission is normally completed during the second semester of the sophomore year or first semester of the junior year. Transfer students must have completed at least one semester at East Carolina University before they are eligible to apply.

Steps in admission to upper division include the following:

1. Satisfactory completion of 16-hour early field experience with minimum grade of C, normally as part of departmental 2123 courses.
2. Passing scores on PRAXIS I: Reading, Writing, Mathematics of the Praxis Series.
3. A minimum GPA of 2.5 on a 4.0 scale for all college work attempted at East Carolina University. Students must also meet minimum academic major grade point average requirements. (See catalog or adviser.)
4. Satisfactory completion of a speech and hearing screening.
5. Satisfactory completion of essay and departmental interview.
6. Completion of computer competencies. (See adviser.)

### **Internship**

Internship is the culminating aspect of the professional component of teacher preparation. The internship provides students opportunities to synthesize and apply previous learning and experience; to develop and apply analytical and problem-solving skills to the various activities of teaching, including self-evaluation; and to grow professionally through observing, planning, and teaching with an outstanding teacher.

Applications for admission to the internship must be submitted to the internship coordinator in the major department one year prior to the semester in which the student will complete internship requirements. Assignments will be located within

## SECTION 7: DEGREES

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the Clinical Schools Network. Students are strongly discouraged from working during their internship. For applications and more detailed information, consult *Welcome To Teacher Education*.

Administration of the internship is provided by the director of clinical experiences who works with the director of teacher education, department chairs, the teacher education staff, and local school personnel.

A minimum grade of C in the internship is required for licensure.

### **Additional Requirements for Interns in Selected Program Areas**

In addition to meeting the requirements of all secondary education majors, art majors must have earned a minimum grade of C in ART 3851, 3860.

Prior to the internship, elementary education majors must have completed the following courses with a minimum grade of C: EDUC 3200; EDUC 4400 or PSYC 4305; ELEM 2123, 3235, 3236, 3250, 4525, 4550, 4551; MATH 3223; READ 3204, 3210; SCIE 3216; SPED 4010.

English education majors must have attained a minimum cumulative and major 2.5 GPA. They must have successfully completed ENGL 4960; READ 3990; EDTC 4001; PSYC 3206; 4305 or EDUC 4400. They must have earned a minimum grade of C in ENGL 2123, 2710, 3710, 3810.

Middle grades education majors must have successfully completed ENGL 2000. They must have earned a minimum grade of C in EDUC 3200; MIDG 2123, 3001, 3010, 3022, 4001, 4010; PSYC 4305 or EDUC 4400; READ 3990 or 5317; SPED 4010; and two methods courses (4319).

Music education majors must have a minimum cumulative and major 2.5 GPA. They must have earned a minimum grade of C in MUSC 2123 and in each course of their major methods sequence, MUSC 3217, 3227, 4323; or MUSC 3237, 3247, 4333; and must also have successfully completed EDUC 3200.

Special education majors must have earned a minimum grade of C in EDUC 3200; ELEM 3250; READ 3204; all SPED courses taken; and in COMM 2410 or 2420. They must have also successfully completed MATH 3218 and MUSC 3048.

Other secondary education and special subjects majors must have a minimum major 2.5 GPA. They must have earned a minimum grade of C in both the departmental early experience and methods courses as well as have successfully completed EDUC 3200. With the exception indicated above for music education, only 4323 departmental courses are acceptable for meeting the methods course requirement (4611 for FREN and GERM; 4641 for SPAN). (Note: The methods course, EDUC 4400, and SPED 4010 should be taken concurrently)

### **LICENSURE**

To be eligible for teacher licensure in North Carolina, the student must complete the following: a history course; a literature course; MATH 1065 or 1066 or 1067 or 2127; PSYC 1000; PSYC 3206 for secondary and K-12 programs. Candidates must complete the requirements of an approved competency-based teacher education program designed to meet the requirements for the professional studies components of programs in secondary areas, special areas, or workforce preparedness education. When the programs have been properly planned, coordinated, and implemented, and when these credits and experiences have been verified by the appropriate unit, the dean of the School of Education or designee recommends the issuance of the proper teacher, counselor, or administrative license or certificate. Licensure requirements are beyond degree requirements.

Out-of-state applicants who are seeking licensure, in-state residents who are prepared in institutions outside the state, and in-state and out-of-state teachers seeking to change, upgrade, and/or add fields or subjects to their present license must submit their credentials to the appropriate academic department or school and to the director of teacher education for evaluation toward the competency-based teacher education program for North Carolina.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

## DEPARTMENT OF BUSINESS, CAREER, AND TECHNICAL EDUCATION

Ivan G. Wallace, Chairperson, 2318 Bate Building

The mission of the Department of Business, Career, and Technical Education is to prepare and develop professionals in workforce preparedness education and information technologies. The department offers undergraduate programs of study in business education, family and consumer sciences education, marketing education, and information processing/administrative services. Minors are offered in information processing and distribution technology; merchandising.

The department may accept up to 30 s.h. of lower-level (numbered 1000-2999 at ECU) technical credit from a community college or technical or junior college toward some of its BS degree options. Transfer students must meet the requirements of the degree option they elect.

The department is a member of the National Association for Business Teacher Education (NABTE).

### BSBE in Business Education

See Licensure, above. Minimum degree requirement is **126 s.h.** of credit as follows:

#### 1. General education and special requirements for certification (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

ART 1910. Art Appreciation (2) (F,S) (GE:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (GE:FA)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 HIST 2012. American Business History (3) (WI\*) (F) (GE:SO)  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)  
 Choose a literature course (GE:HU)  
 Choose a speech course (GE:FA)

#### 2. Professional studies ..... 24 s.h.

BVTE 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: 9-12 s.h. in major field and/or consent of instructor)  
 BVTE 4323. Methods of Teaching Workforce Preparedness Education (3) (F) (P/C: PSYC 4305 or consent of instructor)  
 BVTE 4324. Internship in Workforce Preparedness Education (10) (S) (P: Admission to upper division; C: BVTE 4325)  
 EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)  
 EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)  
 READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)  
 SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

#### 3. Common core ..... 42 s.h.

ASIP 2212. Basic Programming for Business Applications (30) (F,S) (P: ASIP 2112 or equivalent)  
 ASIP 2311, 2312. Financial Information Systems I (3) (F,S,SS)  
 ASIP 2500. Electronic Information Processing II (3) (F,S) (P: ASIP 1500 or consent of instructor)  
 ASIP 3220. Business Communications (3) (F,S) (P: ENGL 1200)  
 ASIP 3228. Administrative Management (3) (F,S)  
 ASIP 3311. Financial Information Systems II (3) (F,S) (P: ASIP 2311)  
 ASIP 3500. Electronic Information Processing III (3) (F,S) (P: ASIP 2500 or equivalent)  
 ASIP 4200. Microcomputer Business Applications (3) (F,S) (P: ASIP 2500 or consent of instructor)  
 ASIP 4500. Information Processing Systems Design (3) (F,S) (P: ASIP 2212, 2500; or equivalent)  
 BVTE 3200. Distribution Technology I: Merchandising (3) (F,S)  
 BVTE 4390. Consumer Financial Management (3) (WI) (F,S)  
 BVTE 4400. Administration and Supervision of Workforce Preparedness Education Programs (3) (S)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science



## SECTION 7: DEGREES

FINA 2244. Legal Environment of Business (3) (F,S,SS)

MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

4. **Academic concentration** (See Academic Concentration, above. A maximum of 6 s.h. may be counted toward general education requirements.): Psychology or social studies concentration recommended ..... **24 s.h.**
5. **All degree candidates must meet a business/marketing experience requirement that may be satisfied by appropriate documentation or by an internship experience.**
6. **Electives to complete requirements for graduation.**

### BSBE in Business and Marketing Education

See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

1. **General education and special requirements for certification (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

ART 1910. Art Appreciation (2) (F,S) (GE:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (GE:FA)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)

HIST 2012. American Business History (3) (WI\*) (F) (GE:SO)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or

MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

Choose a literature course (GE:HU)

Choose a speech course (GE:FA)

2. **Professional studies ..... 24 s.h.**

BVTE 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: 9-12 s.h. in major field and/or consent of instructor)

BVTE 4323. Methods of Teaching Workforce Preparedness Education (3) (F) (P/C: PSYC 4305 or consent of instructor)

BVTE 4324. Internship in Workforce Preparedness Education (10) (S) (P: Admission to upper division; C: BVTE 4325)

EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)

EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division) or

PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)

READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)

SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

3. **Common core ..... 45 s.h.**

ASIP 2212, 2213. Basic Programming for Business Applications (3,0) (F,S) (P: ASIP 2112 or equivalent)

ASIP 2311, 2312. Financial Information Systems I (3,0) (F,S,SS)

ASIP 2500. Electronic Information Processing II (3) (F,S) (P: ASIP 1500 or consent of instructor)

ASIP 3220. Business Communications (3) (F,S) (P: ENGL 1200)

ASIP 3228. Administrative Management (3) (F,S)

ASIP 3311, 3312. Financial Information Systems II (3,0) (F,S) (P: ASIP 2311)

ASIP 4200. Microcomputer Business Applications (3,0) (F,S) (P: ASIP 2500 or consent of instructor)

ASIP 4500. Information Processing Systems Design (3) (F,S) (P: ASIP 2212, 2500; or equivalent)

BVTE 3200. Distribution Technology I: Merchandising (3) (F,S)

BVTE 3301. Distribution Technology II: Promotion (3) (F) (P: ECON 2113)

BVTE 3302. Distribution Technology III: Selling (3) (F,S)

BVTE 4390. Consumer Financial Management (3) (WI) (F,S)

BVTE 4400. Administration and Supervision of Workforce Preparedness Education Programs (3) (S)

FINA 2244. Legal Environment of Business (3) (F,S,SS)

MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.

Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

4. **Academic concentration** (See Academic Concentration, above. A maximum of 6 s.h. may be counted toward general education requirements.): Psychology or social studies concentration recommended ..... **24 s.h.**
5. **All degree candidates must meet a business/marketing experience that may be satisfied by appropriate documentation or by an internship experience.**
6. **Electives to complete requirements for graduation.**

### BSBE in Information Technologies

Minimum degree requirement is **127 s.h.** of credit as follows:

1. **General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

ART 1910. Art Appreciation (2) (F,S) (GE:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (GE:FA)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 HIST 2012. American Business History (3) (WI\*) (F) (GE:SO)  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or  
 MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 Choose a literature course (GE:HU)  
 Choose a speech course (GE:FA)

2. **Core ..... 79 s.h.**

ASIP 1500, 1501. Electronic Information Processing I (30) (F,S,SS)  
 ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS)  
 ASIP 2212, 2213. Basic Programming for Business Applications (30) (F,S) (P: ASIP 2112 or equivalent)  
 ASIP 2311, 2312. Financial Information Systems I (30) (F,S)  
 ASIP 2500, 2501. Electronic Information Processing II (30) (F,S) (P: ASIP 1500 or consent of instructor)  
 ASIP 3220. Business Communications (3) (F,S) (P: ENGL 1200)  
 ASIP 3228. Administrative Management (3) (F,S)  
 \*ASIP 3294. Internship: Supervised Work Experience (4) (F,S,SS) (P: Consent of dept coordinator and at least 1 semester as a full-time ECU student)  
 ASIP 3311, 3312. Financial Information Systems II (30) (F,S) (P: ASIP 2311)  
 ASIP 3500, 3501. Electronic Information Processing III (30) (F,S) (P: ASIP 2500 or equivalent)  
 ASIP 4200, 4201. Microcomputer Business Applications (30) (F,S) (P: ASIP 2500 or consent of instructor)  
 ASIP 4300. Administrative Office Procedures (3) (F,S)  
 ASIP 4500. Information Processing Systems Design (3) (F,S) (P: ASIP 2212, 2500; or equivalent) or DSCI 3063. Management Information Systems I (3) (F,S,SS) (P: ACCT 2521)  
 ASIP 5200, 5201. Microcomputer Business Graphics Applications (30) (P: ASIP 4200 or consent of instructor) or DSCI 4133. Information Systems Management (3) (VI) (F,S) (P: DSCI 3063)  
 BVTE 3200. Distribution Technology I: Merchandising (3) (F,S)  
 BVTE 3301. Distribution Technology I: Advertising (3) (F)  
 BVTE 4390. Consumer Financial Management (3) (VI) (F,S)  
 ENGL 2730. Functional Grammar (3) (VI) (F,S,SS) (P: ENGL 1200)  
 FINA 2244. Legal Environment of Business (3) (F,S,SS)  
 MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)  
 MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113) or 3 s.h. major electives above 2999  
 MGMT 4402. Human Resource Management (3) or MGMT 4422. Labor Relations (3) (S) (P: MGMT 3202) or 3 s.h. major electives above 2999  
 PSYC 3221. Social Psychology (3) (F,S,SS) (GE:SO) or PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)  
 Choose 6 s.h. major electives above 2999

\*Students who have met work experience requirement should take 4 s.h. of electives in the major.

## SECTION 7: DEGREES

### 3. General electives to complete requirements for graduation.

#### BSBE in Marketing Education

See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

#### 1. General education and special requirements for certification (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... **42 s.h.**

ART 1910. Art Appreciation (2) (F,S) (GE:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (GE:FA)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO) or ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)

HIST 2012. American Business History (3) (WI\*) (F) (GE:SO)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH

1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

Choose a literature course (GE:HU)

Choose a speech course (GE:FA)

#### 2. Professional studies ..... **24 s.h.**

BVTE 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: 9-12 s.h. in major field and/or consent of instructor)

BVTE 4323. Methods of Teaching Workforce Preparedness Education (3) (F) (P/C: PSYC 4305 or consent of instructor)

BVTE 4324. Internship in Workforce Preparedness Education (10) (S) (P: Admission to upper division; C: BVTE 4325)

EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)

EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division) or

PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)

READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)

SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

#### 3. Common core ..... **42 s.h.**

ASIP 2311, 2312. Financial Information Systems I (30) (F,S)

ASIP 3220. Business Communications (3) (F,S) (P: ENGL 1200)

ASIP 4200. Microcomputer Business Applications (30) (F,S) (P: ASIP 2500 or consent of instructor)

BVTE 3200. Distribution Technology I: Merchandising (3) (F)

BVTE 3301. Distribution Technology II: Promotion (3) (F) (P: ECON 2113)

BVTE 3302. Distribution Technology III: Selling (3) (F,S)

BVTE 4390. Consumer Financial Management (3) (WI) (F,S)

BVTE 4400. Administration and Supervision of Workforce Preparedness Education Programs (3) (S)

BVTE 5389. Seminar in Business and Marketing Education (3)

FINA 2244. Legal Environment of Business (3) (F,S,SS)

MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)

MKTG 3852. Cultural Environment of International Business (3) (F,S) (P: Junior standing; completion of a minimum of 3 s.h. in ECON)

MKTG 4992. International Marketing (3) (WI) (F,S) (P: MKTG 3832)

#### 4. Academic concentration (See Academic Concentration, above. A maximum of 6 s.h. may be counted toward general education requirements.): Psychology or social studies concentration recommended ..... **24 s.h.**

#### 5. All degree candidates must meet a business/marketing experience that may be satisfied by appropriate documentation or by an internship experience.

#### 6. Electives to complete requirements for graduation.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.

Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

### Information Processing Minor

The information processing minor requires **30 s.h.** of credit as follows:

ASIP 1500, 1501. Electronic Information Processing I (3.0) (F,S,SS)  
 ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS)  
 ASIP 2311, 2312. Financial Information Systems I (3.0) (F,S)  
 ASIP 2500, 2501. Electronic Information Processing II (3.0) (F,S) (P: ASIP 1500 or consent of instructor)  
 ASIP 3220. Business Communications (3) (F,S) (P: ENGL 1200)  
 ASIP 3228. Administrative Management (3) (F,S)  
 ASIP 3311, 3312. Financial Information Systems II (3.0) (F,S) (P: ASIP 2311)  
 ASIP 3500, 3501. Electronic Information Processing III (3.0) (F,S) (P: ASIP 2500 or equivalent)  
 ASIP 4200, 4201. Microcomputer Business Applications (3.0) (F,S) (P: ASIP 2500 or consent of instructor)  
 ASIP 4500. Information Processing Systems Design (3) (F,S) (P: ASIP 2212, 2500; or equivalent)

### Distribution Technology: Merchandising Minor

The distribution technology: merchandising minor requires **27 s.h.** of credit as follows:

ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS)  
 ASIP 2311, 2312. Financial Information Systems I (3.0) (F,S)  
 ASIP 3220. Business Communications (3) (F,S) (P: ENGL 1200)  
 BVTE 3200. Distribution Technology I: Merchandising (3) (F)  
 BVTE 3301. Distribution Technology II: Promotion (3) (F) (P: ECON 2113)  
 BVTE 3302. Distribution Technology III: Selling (3) (F,S)  
 BVTE 5389. Seminar in Business and Marketing Education (3)  
 MKTG 3852. Cultural Environment of International Business (3) (F,S) (P: Junior standing; completion of a minimum of 3 s.h. in ECON)  
 Choose 3 s.h. minor area electives to be selected in consultation with minor area adviser

### BS in Family and Consumer Sciences Education

See Licensure, above. Minimum degree requirement is **126 s.h.** of credit as follows:

#### 1. General education and special requirements for certification (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

ART 1001. Color and Design (3) (F,S,SS) (GE:FA)  
 COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)  
 Choose a history course (GE:SO)  
 Choose a literature course (GE:HU)

#### 2. Core ..... 40 s.h.

AMID 2003. Apparel Construction for Secondary Education (2)  
 AMID 2004. Apparel Construction for Secondary Education Laboratory (1)  
 AMID 2239. Apparel and Human Behavior (3) (S) or AMID 3003. Special Topics (3) (F,S) (P: Consent of instructor; may vary by topic offered)  
 BVTE 4390. Consumer Financial Management (3) (WI) (F,S)  
 CDFR 1103. Marriage and Family Relations (3) (F,S,SS) or SOCI 1025. Courtship and Marriage (3) (F,S,SS)  
 CDFR 2000. Child Development I: Prenatal Through Early Childhood (3) (F,S,SS)  
 CDFR 3002. Child in the Family (3) (F,S,SS)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

FACS 4410. Professional Seminar (1) (P: Junior standing; consent of instructor)  
FACS 4411. Professional Internship (3) (FS) (P: FACS 4410 or consent of instructor)  
HESC 3999. Issues in Human Environmental Sciences (3) (F,S,SS) (P: Junior standing; HESC major)  
NUHM 1000. Contemporary Nutrition (3) (F,S,SS)  
NUHM 2110. Principles of Food Preparation (3) (S,SS)  
NUHM 2111. Principles of Food Preparation Laboratory (1) (S,SS)  
Choose 9 s.h. of approved HESC electives for concentration

### 3. Professional studies ..... 32 s.h.

BVTE 2123. Early Experiences for the Prospective Teacher (1) (FS) (P: 9-12 s.h. in major field and/or consent of instructor)  
BVTE 4323. Methods of Teaching Workforce Preparedness Education (3) (F) (P/C: PSYC 4305 or consent of instructor)  
BVTE 4324. Internship in Workforce Preparedness Education (10) (S) (P: Admission to upper division; C: BVTE 4325)  
EDTC 4001. Technology in Education (2) (FS) (P: Admission to upper division)  
EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)  
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (FS) (P: Admission to upper division)  
or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)  
FACS 4317. Curriculum Development (3) (F) (P: BVTE 2123)  
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)  
SPED 4010. Exceptional Students in the Regular Classroom (2) (FS) (RP: SPED 2000)  
Choose 3 s.h. electives in consultation with major area adviser

### 4. Electives to complete requirements for graduation.

## DEPARTMENT OF CURRICULUM AND INSTRUCTION

*David A. Powers, Chairperson, 204 Speight Building*

The mission of the Department of Curriculum and Instruction is to prepare preservice and inservice teachers in the areas of elementary, middle grades, special, and science education. BS degrees are offered in elementary education, middle grades education, science education, and in three areas of special education: behaviorally/emotionally handicapped, learning disabled, and mentally handicapped. Minors are offered in science education and special education. The faculty is committed to developing teachers who are decision-makers and reflective practitioners, who engage in research, and who provide professional service to the university, the community, the state, and the nation.

### Reading Clinic and Center

The Reading Clinic provides learning opportunities for preservice and inservice teachers to acquire competencies in diagnosis and remediation of reading disabilities. Children with reading difficulties are assigned individually to a teacher for tutorial and clinical experience. READ 3205, 3206, or 5313 are required for a total credit of 3 or 4 s.h.

The Reading Center is designed to aid college students with reading difficulties. Listed as READ 0092, no credit, the class meets two hours per week for one or two semesters depending upon the student's need; READ 1031, 1 s.h. credit, is an individualized course designed to increase reading power, efficiency, and study skills; three additional courses are also offered through the Reading Center: READ 1032, 1033, 1034.

### BS in Elementary Education (K-6)

See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

#### 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h

ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (GE:SO) or ANTH 2005. Environmental Anthropology (3) (S) (GE:SO) or ANTH 2010. Societies Around the World (3) (F,S,SS) (GE:SO) or ETHN 2002. Introduction to Ethnic Studies: Social Science (3) (GE:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO) or HIST 1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO) or HIST 1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

(GE:SO) or HIST 361I. History of the Far East Since 1600 (3) (GE:SO) or HIST 371I. Introduction to Latin-American History: Since 1808 (3) (WI\*) (GE:SO) or HIST 3810. History of Africa (3) (WI\*) (GE:SO)  
 ART 3850. Art in the Elementary School (3) (F,S,SS) (P: Junior standing)  
 GEOG 1000. Introduction to Geography (3) (F,S,SS) (GE:SO) or GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (GE:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (GE:SO)  
 HIST 1050. American History to 1877 (3) (WI\*) (F,S,SS) (GE:SO) or HIST 105I. American History Since 1877 (3) (WI\*) (F,S,SS) (GE:SO) or HIST 3100. North Carolina History (3) (GE:SO) or HIST 3110. History of African Americans (3) (GE:SO) or POLS 1010. National Government (3) (F,S,SS) (GE:SO)  
 MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (F,S,SS) (GE:FA)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 Choose 4 s.h. BIOL (GE:SC)  
 Choose 4 s.h. CHEM, PHYS, or GEOL (GE:SC)  
 Choose 3 s.h. literature, except childrens literature (GE:HU)

## **2. Professional studies ..... 34 s.h.**

EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)  
 EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)  
 EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division) or  
 PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)  
 ELEM 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: Sophomore standing or consent of instructor)  
 ELEM 4324. Internship in the Elementary School (10) (F,S) (P: EDTC 4001; EDUC 4400 or PSYC 4305; ELEM 3236, 3250, 4525, 4551; MATH 3223; READ 3210; SCIE 3216; C: ELEM 4325)  
 ELEM 4325. Internship Seminar: Issues in Elementary Education (1) (F,S) (P: Admission to upper division; C: ELEM 4526)  
 ELEM 4550. Social Studies in the Early Childhood and Elementary School (3) (VI) (F,S) (P: Minimum of 9 s.h. in social studies content courses; admission to upper division; ELEM 3236; C: ELEM 4551)  
 ELEM 4551. Practicum in Teaching Social Studies in the Elementary School (1) (F,S) (P: Upper-division status; C: ELEM 4550)  
 PSYC 2201. Psychology of Childhood (3) (F,S,SS) (P: PSYC 1000 or 1060 or equivalent)  
 READ 3204. Fundamentals of Reading (3) (F,S,SS) (P: Admission to upper division; ELEM 3250)  
 SPED 2000. Introduction to Exceptional Children (2) (F,S)  
 SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

## **3. Academic concentration (See Academic Concentration, above. A maximum of 6 s.h. may be counted in general education requirements.) ..... 24 s.h.**

## **4. Specialty area ..... 29 s.h.**

ELEM 3235. Curriculum and Instruction in the Elementary School (4) (F,S,SS) (P/C: ELEM 2123; C: ELEM 3236)  
 ELEM 3236. Practicum in Curriculum and Instruction in the Elementary School (1) (F,S,SS) (P/C: ELEM 2123; C: ELEM 3235)  
 ELEM 3250. Language Arts in the Early Childhood and Elementary School (4) (VI) (F,S,SS)  
 ELEM 3275. Early Childhood and Elementary School Curriculum (3) (F,S,SS)  
 ELEM 4525. Classroom Organization and Management in the Early Childhood and Elementary School (3) (F,S,SS) (P: Admission to upper division)  
 ELEM 4526. Practicum in Classroom Organization and Management (1) (F,S,SS) (P: Admission to upper division; ELEM 3235, 3236; C: ELEM 4324, 4325)  
 EXSS 3545. Practices and Procedures in Physical Education for Elementary Schools (2) (P: ELEM major or consent of instructor)  
 HLTH 3244. Practices and Procedures in Health for Elementary School (2) (F,S,SS)  
 MATH 3223. Teaching Mathematics in the Elementary Grades K-6 (3) (F,S,SS) (P: MATH 2129)  
 READ 3210. Assessment, Design, and Implementation of Elementary Classroom Reading Instruction (3) (F,S,SS) (P: READ 3204)  
 SCIE 3216. Teaching Science in the Elementary School (3) (F,S,SS)

## SECTION 7: DEGREES

- 5. Cognates..... 5 s.h.**  
ENGL 4950. Literature for Children (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200) or LIBS 4950. Literature for Children (3) (WI) (S)  
MATH 2129. Basic Concepts of Mathematics (2) (F,S,SS) (P: MATH 2127)

### BS in Middle Grades Education

See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
ANTH 2010. Societies Around the World (3) (F,S,SS) (GE:SO) or GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (GE:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (GE:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)  
ART 1910. Art Appreciation (2) (F,S) (GE:FA) or DNCE 1000. Introduction to Dance (2) (F,S,SS) (GE:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (GE:FA) or THEA 1000. Introduction to Theatre (2) (F,S,SS) (GE:FA)  
ENGL 2000. Interpreting Literature (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1100)  
HIST 1050. American History to 1877 (3) (WI\*) (F,S,SS) (GE:SO) or HIST 1051. American History Since 1877 (3) (WI\*) (F,S,SS) (GE:SO)  
MATH 1067. Algebraic Concepts and Relationships (3) (F,S) (GE:MA) (P: Appropriate score on mathematics placement test)  
POLS 1010. National Government (3) (F,S,SS) (GE:SO)  
PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
Choose 4 s.h. BIOL (GE:SC)  
Choose 4 s.h. CHEM, PHYS, or GEOL (GE:SC)  
Choose 5 s.h. humanities and/or fine arts
- 2. Professional studies ..... 30-32 s.h.**  
EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)  
EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)  
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)  
ENGL/MIDG 4319. Teaching English/Language Arts in the Middle Grades (3) (F) (P: Admission to upper division; EDUC 3200; MIDG 3001, 3010, 3022; 10 s.h. in ENGL; C: MIDG 4001, 4010; HIST or MATH or SCIE 4319) or HIST 4319. Teaching Social Studies in the Middle Grades (3) (F) (P: Admission to upper division; EDUC 3200; MIDG 3001, 3010, 3022; 18 s.h. in social sciences; or consent of instructor; C: MIDG 4001, 4010; ENGL or MIDG or SCIE 4319) or MATH 4319. Teaching Mathematics in the Middle Grades (3) (F) (P: Admission to upper division; EDUC 3200; MIDG 3010, 3022; MATH 2122, 2282, 3166, 3237 or consent of instructor; C: MIDG 4001, 4010; HIST or MIDG or SCIE 4319 or consent of instructor) or SCIE 4319. Teaching Science in the Middle Grades (3) (F) (P: Admission to upper division; EDUC 3200; MIDG 3010, 3022; SCIE 3602, 3604; or consent of instructor; C: MIDG 4001, 4010; ENGL or HIST or MATH or MIDG 4319)  
MIDG 4324. Internship in the Middle Grades (10) (F,S) (P: Admission to upper division; EDTC 4001; EDUC 3200; EDUC 4400 or PSYC 4305; MIDG 4001, 4010; READ 5317; 2 methods courses from the following: MIDG, HIST, MATH, SCIE 4319; C: MIDG 4325)  
MIDG 4325. Internship Seminar: Issues in Middle Grades Education (2) (F,S) (P: Admission to upper division; C: MIDG 4324)  
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS) or READ 5317. Reading in the Junior and Senior High School (3)  
SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)  
A methods course is required for certification in each of the 2 academic concentrations leading to middle grades licensure. One of the 2 methods will be counted in the professional studies courses; the other may be counted as a part of the requirements in the academic concentration. MATH 4319 must be taken in professional studies. No substitutions for methods classes may be made without special MIDG program approval.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

- 3. Specialty area ..... 17 s.h.**  
 MIDG 2123. Early Experiences for the Prospective Teacher (1) (FS) (P: Sophomore standing or consent of instructor)  
 MIDG 3001. Early Experience Through an Introduction to Middle Grades Education (3) (VI) (F) (P/C: MIDG 2123)  
 MIDG 3010. Middle Grades Curriculum and Planning (3) (S) (P: Junior standing; MIDG 3001; C: MIDG 3022)  
 MIDG 3022. Instructional Models and Strategies for Middle Grades (4) (S) (P: MIDG 3001; C: MIDG 3010)  
 MIDG 4001. Organization, Management, and Motivation in the Middle Grades Classroom (3) (F) (P: Upper division status; MIDG 3010, 3022; C: MIDG 4010; choose 2 from ENGL or MIDG; or HIST or SCIE or MATH 4319)  
 MIDG 4010. Instructional Evaluation in Middle Grades (3) (F) (P: Upper division status; MIDG 3010, 3022; C: MIDG 4001; choose 2 from ENGL or MIDG; or HIST or MATH or SCIE 4319)
- 4. Academic concentration:** (See Academic Concentration, above.) Middle grades majors are required to complete two academic concentrations appropriate for licensure ..... **36-42 s.h.**  
 Middle grades education majors must select 2 of the following academic concentrations: English, general science, mathematics, social studies.
- 5. Cognate ..... 3 s.h.**  
 MATH 2282. Data Analysis and Probability (3) (FS) (P: MATH 1067) or MATH 3166. Euclidean Geometry (3) (F,SS) (P: MATH 1065 or 1067; 2127)
- 6. Electives to complete requirements for graduation.**

### BS in Science Education

The science education degree prepares and develops professionals in science education by offering classroom instruction and research opportunities in programs for students whose career goals are teaching science in the elementary, middle, and secondary schools, and in higher education. Undergraduate areas of preparation include the methods and processes of teaching the biological, physical, and earth sciences. Minimum degree requirement is **128 s.h.** of credit as follows:

- 1. General education and special requirements for certification (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree programs), including those listed below ..... 42 s.h.**  
 BIOL 1100, 1101. Principles of Biology I (4,0) (F,SS) (GE:SC)  
 CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)  
 MATH 1065. College Algebra (3) (F,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 PSYC 1000. Introductory Psychology (3) (F,SS) (GE:SO)  
 PSYC 3206. Developmental Psychology (3) (WI\*) (F,SS) (GE:SO) (P: PSYC 1000 or 1060)  
 Choose a history course (GE:SO)  
 Choose a literature course (GE:HU)
- 2. Common Core ..... 35-36 s.h.**  
 BIOL 1200, 1201. Principles of Biology II (4,0) (F,SS) (GE:SC)  
 CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)  
 GEOL 1500. Dynamic Earth (3) (F,SS) (GE:SC)  
 GEOL 1501. Dynamic Earth Laboratory (1) (F,SS) (GE:SC) (C: GEOL 1500)  
 PHYS 1251, 1261. General Physics Laboratory (1,1) (F,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2360)  
 SCIE 3350, 3351. Descriptive Astronomy (4,0) (S)  
 SCIE 3360, 3361. Physical Meteorology (4,0) (S) (P: CHEM 1150; MATH 1085; PHYS 1250, 1260)  
 SCIE 3602. Investigations in Physical and Earth Science (4) (F,SS)  
 SCIE 3604. Investigations in Life and Environmental Science (4) (F,SS)  
 Choose 5-6 s.h. mathematics from one area as follows:  
**Biology and Earth Science:**  
 MATH 1085. Pre-Calculus Mathematics (5) (F,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C)  
 MATH 2121. Calculus for the Life Sciences I (3) (F,SS) (GE:MA) (P: MATH 1065 or 1077 with a minimum grade of C) and MATH 2122. Calculus for the Life Sciences II (3) (F,SS) (P: MATH 2121)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science



## SECTION 7: DEGREES

### Chemistry and Physics:

MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (GE:MA) (P: MATH 1065 or 1077 with a minimum grade of C)  
MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121)

### 3. Teaching area concentration (Choose one from the following.) ..... 20-23 s.h.

#### Biology (20 s.h.):

BIOL 2110, 2111. Fundamentals of Microbiology (4,0) (F,S) (P: 4 s.h. in BIOL; 8 s.h. in CHEM)  
BIOL 2250. Ecology (3) (F,S,SS) (P: BIOL 1100, 1101, 1200, 1201)  
BIOL 2251. Ecology Laboratory (1) (F,S,SS) (P: BIOL 1100, 1101, 1200, 1201; C: BIOL 2250)  
BIOL 2300. Principles of Genetics (3) (F,S,SS) (P: 2 BIOL courses)  
BIOL 3100, 3101. Basic Laboratory Methods for Biotechnology (3,0) (P: BIOL 2300; CHEM 1160, 1161) or BIOL 3520.  
Biological Evolution (3) (P: BIOL 2300 or consent of instructor)  
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)

#### Chemistry (23 s.h.):

CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI) (F,S) (P: CHEM 1160, 1161; 1 organic CHEM course)  
CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161; C: CHEM 2753)  
CHEM 3450, 3451. Elementary Inorganic Chemistry and Laboratory (3,1) (WI) (S) (P: CHEM 2250, 2251)  
CHEM 3850, 3851. Introduction to Physical Chemistry (4,1) (WI) (F) (P: CHEM 1160, 1161; MATH 2122 or 2172; PHYS 1260)  
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)

#### Earth Science (22 s.h.):

GEOL 1550. Oceanography (4) (S) (GE:SC)  
GEOL 1600. Earth and Life Through Time (4) (S) (GE:SC)  
GEOL 1700. Environmental Geology (4) (F,S) (GE:SC)  
GEOL 3000, 3001. Mineralogy (4,0) (F) (P: A 1000-level GEOL course; P/C: CHEM 1150, 1151)  
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)

#### Physics (20 s.h.):

PHYS 2350, 2360. University Physics (4,4) (F,S,SS) (GE:SC) (C: MATH 2121 or 2171; P for PHYS 2360: PHYS 2350)  
PHYS 4120. Thermodynamics (3) (S-OY) (P: PHYS 2360)  
PHYS 4310. Modern Optics (3) (F-EY) (P: PHYS 2360)  
PHYS 4416. Modern Physics I (3) (F) (P: PHYS 2360)  
PHYS 4417. Modern Physics II (3) (S) (P: PHYS 4416)

### 4. Professional studies ..... 27 s.h.

EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)  
EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)  
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division) or  
PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)  
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS) or READ 5317. Reading in the Junior and Senior High School (3)  
SCIE 2123. Early Experiences for the Prospective Teacher (1) (F,S)  
SCIE 4323. The Teaching of Science in High School (3) (WI) (F,S) (P: Admission to upper division)  
SCIE 4324. Internship in Science Education (10) (F,S) (P: Admission to upper division; SCIE 4323; C: SCIE 4325)  
SCIE 4325. Internship Seminar: Issues in Science Education (1) (F,S) (P: Admission to upper division; C: SCIE 4324)  
SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

### 5. Electives to complete requirements for graduation.

## BS in Special Education, Behaviorally-Emotionally Handicapped

The BS in special education degree prepares and develops professionals in special education who are committed to accomplishing the following as teachers of exceptional children: the development of each student's maximum individual potential through the acquisition of skills, values, and attitudes in the academic, social, communicative, vocational, and motoric domains. To this end, students are prepared for the role of diagnostic/prescriptive teachers. The BS degree comprises three areas of special

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

education that lead to initial teaching licensure in behaviorally-emotionally handicapped, learning disabled, and mentally handicapped. An add-on licensure program is available in academically gifted. See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
 ART 3850. Art in the Elementary School (3) (F,SS) (P: Junior standing)  
 COMM 2410. Public Speaking (3) (F,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,SS) (GE:FA)  
 MATH 2127. Basic Concepts of Mathematics (3) (F,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 MUSC 3048. Music for Exceptional Children (2) (F,S) (P: MUSC 3018)  
 PSYC 1000. Introductory Psychology (3) (F,SS) (GE:SO)  
 Choose 4 s.h. BIOL (GE:SC)  
 Choose 4 s.h. CHEM, PHYS, or GEOL (GE:SC)  
 Choose a history course (GE:SO)  
 Choose a literature course (GE:HU)
- 2. Professional studies ..... 29 s.h.**  
 EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)  
 EDUC 3200. Introduction to American Education (3) (WI\*) (F,SS) (P: Early experience course or consent of instructor)  
 PSYC 3206. Developmental Psychology (3) (WI\*) (F,SS) (GE:SO) (P: PSYC 1000 or 1060)  
 PSYC 4305. Educational Psychology (3) (F,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)  
 READ 3204. Fundamentals of Reading (3) (F,SS) (P: Admission to upper division; ELEM 3250)  
 SPED 2000. Introduction to Exceptional Children (2) (F,SS)  
 SPED 2123. Early Experiences for Prospective Teachers (1)  
 SPED 4324. Internship in Special Education (10) (F,S) (P: Admission to upper division; SPED 3000, 4000)  
 SPED 4352. Seminar in Mental Retardation (2) (F,S) (C: SPED 4324) or SPED 4353. Seminar in Learning Disabilities (2) (F,S) (C: SPED 4324) or SPED 4354. Seminar in Behaviorally Emotionally Handicapped (2) (F,S) (C: SPED 4324)
- 3. Common core ..... 16 s.h.**  
 SPED 2104. Introduction to Behavior Disorders (3) (F,SS) (P: SPED 2000)  
 SPED 3000. Instructional Programming in Special Education (3) (F,SS)  
 SPED 3410. Instructional Programming in Behavior Disorders (3) (S,SS) (P: Admission to upper division; SPED 2104, 3000; C: SPED 3411)  
 SPED 3411. Practicum in Behavior Disorders (2) (F,S) (P: SPED 3410)  
 SPED 4000. Technology in Special Education (3) (F,SS) (P: SPED 2000)  
 SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)
- 4. Cognates ..... 18-25 s.h.**  
 COAD 5358. Tests and Measurements (3) or PSYC 5325. Introduction to Psychological Testing (3) (P: Statistics course; PSYC 1000 or 1060)  
 CSDI 2100. Introduction to Communications Disorders (3) (F,SS)  
 ELEM 3250. Language Arts in the Early Childhood and Elementary School (4) (WI) (F,SS)  
 EXSS 5303. Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities (3) (P: EXSS 3545; SPED 5101; or consent of instructor)  
 MATH 3218. Teaching Mathematics in Special Education (3) (F,SS) (P: MATH 1065, 2127; SPED 2000; at least 1 of the following: SPED 2102, 2103, 2104; admission to upper division; RP: MATH 2129)  
 SCIE 3216. Teaching Science in the Elementary School (2) (F,SS) (PSYC 3225, 4333 if academic concentration other than psychology)
- 5. Academic concentration (See Academic Concentration, above. A maximum of 6 s.h. may count in general education requirements,) ..... 24 s.h.**
- 6. Electives to complete requirements for graduation.**

Some courses which carry general education credit are identified using the following key Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

### BS in Special Education, Learning Disabled

The BS in special education degree prepares and develops professionals in special education who are committed to accomplishing the following as teachers of exceptional children: the development of each student's maximum individual potential through the acquisition of skills, values, and attitudes in the academic, social, communicative, vocational, and motoric domains. To this end, students are prepared for the role of diagnostic/prescriptive teachers. The BS degree comprises three areas of special education that lead to initial teaching licensure in behaviorally-emotionally handicapped, learning disabled, and mentally handicapped. An add-on licensure program is available in academically gifted. See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

ART 3850. Art in the Elementary School (3) (F,S,SS) (P: Junior standing)  
COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
MUSC 3048. Music for Exceptional Children (2) (F,S) (P: MUSC 3018)  
PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
Choose 4 s.h. BIOL (GE:SC)  
Choose 4 s.h. CHEM, PHYS, or GEOL (GE:SC)  
Choose a history course (GE:SO)  
Choose a literature course (GE:HU)

**2. Professional studies ..... 29 s.h.**

EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)  
EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)  
PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)  
PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)  
READ 3204. Fundamentals of Reading (3) (F,S,SS) (P: Admission to upper division and ELEM 3250)  
SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)  
SPED 2123. Early Experiences for Prospective Teachers (1)  
SPED 4324. Internship in Special Education (10) (F,S) (P: Admission to upper division; SPED 3000, 4000)  
SPED 4352. Seminar in Mental Retardation (2) (F,S) (C: SPED 4324) or SPED 4353. Seminar in Learning Disabilities (2) (F,S) (C: SPED 4324) or SPED 4354. Seminar in Behaviorally Emotionally Handicapped (2) (F,S) (C: SPED 4324)

**3. Common core ..... 16 s.h.**

SPED 2103. Introduction to Learning Disabilities (3) (F,S,SS) (P: SPED 2000)  
SPED 3000. Instructional Programming in Special Education (3) (F,SS)  
SPED 3310. Instructional Programming in Learning Disabilities (3) (S,SS) (P: Admission to upper division; SPED 2103, 3000; C: SPED 3311)  
SPED 3311. Practicum in Learning Disabilities (2) (F,S) (P: SPED 3310)  
SPED 4000. Technology in Special Education (3) (F,S,SS) (P: SPED 2000)  
SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

**4. Cognates ..... 18-25 s.h.**

COAD 5358. Tests and Measurements (3) or PSYC 5325. Introduction to Psychological Testing (3) (P: Statistics course; PSYC 1000 or 1060)  
CSDI 2100. Introduction to Communications Disorders (3) (F,S,SS)  
ELEM 3250. Language Arts in the Early Childhood and Elementary School (4) (WI) (F,S,SS)  
EXSS 5303. Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities (3) (P: EXSS 3545; SPED 5101; or consent of instructor)  
MATH 3218. Teaching Mathematics in Special Education (3) (F,S,SS) (P: MATH 1065, 2127; SPED 2000; at least 1 of the following: SPED 2102, 2103, 2104; admission to upper division; RP: MATH 2129)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

SCIE 3216. Teaching Science in the Elementary School (2) (F,S,SS)

(PSYC 3225, 4333 if academic concentration other than psychology)

- 5. Academic concentration** (See Academic Concentration, above. A maximum of 6 s.h. may count in general education requirements.) ..... **24 s.h.**
- 6. Electives to complete requirements for graduation.**

### **BS in Special Education, Mentally Handicapped**

The BS in special education degree prepares and develops professionals in special education who are committed to accomplishing the following as teachers of exceptional children: the development of each student's maximum individual potential through the acquisition of skills, values, and attitudes in the academic, social, communicative, vocational, and motoric domains. To this end, students are prepared for the role of diagnostic/prescriptive teachers. The BS degree comprises three areas of special education that lead to initial teaching licensure in behaviorally-emotionally handicapped, learning disabled, and mentally handicapped. An add-on licensure program is available in academically gifted. See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below** ..... **42 s.h.**

ART 3850. Art in the Elementary School (3) (F,S,SS) (P: Junior standing)

COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

MUSC 3048. Music for Exceptional Children (2) (F,S) (P: MUSC 3018)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

Choose 4 s.h. BIOL (GE:SC)

Choose 4 s.h. CHEM, PHYS, or GEOL (GE:SC)

Choose a history course (GE:SO)

Choose a literature course (GE:HU)

- 2. Professional studies** ..... **29 s.h.**

EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)

EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)

PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)

READ 3204. Fundamentals of Reading (3) (F,S,SS) (P: Admission to upper division and ELEM 3250)

SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)

SPED 2123. Early Experiences for Prospective Teachers (1)

SPED 4324. Internship in Special Education (10) (F,S) (P: Admission to upper division; SPED 3000, 4000)

SPED 4352. Seminar in Mental Retardation (2) (F,S) (C: SPED 4324) or SPED 4353. Seminar in Learning Disabilities

(2) (F,S) (C: SPED 4324) or SPED 4354. Seminar in Behaviorally Emotionally Handicapped (2) (F,S) (C: SPED 4324)

- 3. Common core** ..... **16 s.h.**

SPED 2102. Introduction to Mental Retardation (3) (F,S,SS)

SPED 3000. Instructional Programming in Special Education (3) (F,SS)

SPED 3210. Instructional Programming in Mental Retardation (3) (F,SS) (P: Admission to upper division; SPED 2102, 3000; C: SPED 3211)

SPED 3211. Practicum in Mental Retardation (2) (F,S) (P: SPED 3210)

SPED 4000. Technology in Special Education (3) (F,S,SS) (P: SPED 2000)

SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

- 4. Cognates** ..... **18-25 s.h.**

COAD 5358. Tests and Measurements (3) or PSYC 5325. Introduction to Psychological Testing (3) (P: Statistics course; PSYC 1000 or 1060)

CSDI 2100. Introduction to Communications Disorders (3) (F,S,SS)

ELEM 3250. Language Arts in the Early Childhood and Elementary School (4) (WI) (F,S,SS)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

SECTION 7: DEGREES

- EXSS 5303. Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities (3)  
(P: EXSS 3545; SPED 5101; or consent of instructor)
- MATH 3218. Teaching Mathematics in Special Education (3) (F,S,SS) (P: MATH 1065, 2127; SPED 2000; at least 1 of the following: SPED 2102, 2103, 2104; admission to upper division; RP: MATH 2129)
- SCIE 3216. Teaching Science in the Elementary School (2) (F,S,SS)  
(PSYC 3225, 4333 if academic concentration other than psychology)
5. **Academic concentration** (See Academic Concentration, above. A maximum of 6 s.h. may count in general education requirements.) ..... **24 s.h.**
6. **Electives to complete requirements for graduation.**

Science Minor

Minimum requirement for the science minor is **24 s.h.** of credit as follows:

- BIOL 1100, 1101. Principles of Biology I (4,0) (F,S,SS) (GE:SC)
- BIOL 1200, 1201. Principles of Biology II (4,0) (F,S,SS) (GE:SC)
- CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)
- CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
- PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
- PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

# SCHOOL OF HEALTH AND HUMAN PERFORMANCE

Glen Gilbert, Dean, 60 Minges Coliseum

Sharon Knight, Associate Dean, 79 Minges Coliseum

The School of Health and Human Performance is dedicated to the promotion of health and well-being through basic and applied research, service, and professional training of its students. Programs of study in the school provide a foundation for professional practice in the fields of health education, exercise and sport science, and recreation. The School of Health and Human Performance offers baccalaureate and master's degree programs through its Departments of Health Education, Exercise and Sport Science, and Recreation and Leisure Studies.

## DEPARTMENT OF EXERCISE AND SPORT SCIENCE

Steven G. Estes, Chairperson, 176 Minges Coliseum

### BA in Exercise and Sport Science

A minimum cumulative 2.0 GPA is required for admission to exercise and sports science as a major. Each exercise and sport science major must successfully complete physical fitness requirements as specified in the advising packet. A minimal score will be a prerequisite for official admission to the exercise and sports science major program. This test will be given twice yearly. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
BIOL 1050, 1051. General Biology and Laboratory (31) (F,S,SS) (GE:SC)  
CHEM 1020. General Descriptive Chemistry (4) (GE:SC)
- 2. Foreign language through level 1004 ..... 12 s.h.**
- 3. Core ..... 31 s.h.**  
EXSS 2202. Motor Learning and Performance (3) (F,S,SS)  
EXSS 2323. Principles of Physical Education (2) (F,S,SS)  
EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130, 2131; health and human performance major or minor or consent of dept chair)  
EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130, 2131; PHYS 1250, 1251; or consent of instructor)  
EXSS 4300. Program Development and Management in Physical Education and Sports (2) (F,S,SS) (P: Upper division status; EXSS 2323)  
HLTH 2125, 2126. Safety Education and First Aid (30) (F,S,SS)  
HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130, 2131)  
Choose 12 s.h. approved EXSS electives
- 4. Cognates ..... 5 s.h.**  
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)
- 5. Minor and electives to complete requirements for graduation.**

### BS in Physical Activity and Fitness

This program provides competencies and knowledge for students to develop and conduct health and fitness programs in commercial, corporate, hospital, and public agency settings. Guidelines from the National Association for Sport and Physical Education (NASPE) and American College of Sports Medicine (ACSM), which set criteria for programs in these areas, have been employed in designing this program. A minimum cumulative 2.0 GPA is required for admission including the successful completion of the fitness requirements as specified in the advising packet. A minimum grade of C in all required EXSS courses is required to complete the degree. Minimum degree requirement is **125 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
BIOL 1050, 1051. General Biology (31) (F,S,SS) (GE:SC)  
CHEM 1120. Basic General, Organic, and Biochemistry I (4) (F,S,SS) (GE:SC)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
(GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
(GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

### 2. Core ..... 43 s.h.

EXSS 1101. Physical Conditioning (1) (F,S,SS) (P: EXSS 1000)

EXSS 1114. Aerobic Dance (1) (F,S,SS) (P: EXSS 1000)

EXSS 2202. Motor Learning and Performance (3) (F,S,SS)

EXSS 2323. Principles of Physical Education (2) (F,S,SS)

EXSS 3804. Measurement of Physical Activity and Fitness (3) (F,S,SS) (P: ASIP 2112 or DSCI 2223; EXSS 2323; or consent of instructor)

EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130, 2131; health and human performance major or minor or consent of dept chair)

EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130, 2131; PHYS 1250, 1251; or consent of instructor)

EXSS 4806. Exercise Evaluation and Prescription (4) (VI) (F,S,SS) (P: EXSS 3805; health and human performance major or minor; or consent of dept chair)

EXSS 4850. Exercise Leadership (3) (F,S,SS) (P: EXSS 3805)

EXSS 5020. Exercise Adherence (3) (P: PSYC 1000; P/C: EXSS 4806; health and human performance major or minor; or consent of dept chair)

EXSS 5800. Physical Activity and Aging (3) (P: GERO 2400 or consent of instructor)

HLTH 2125, 2126. Safety Education and First Aid (30) (F,S,SS)

HLTH 2220, 2221. Basic Athletic Training (30) (F,S,SS)

HLTH 4200. Planning and Evaluation in Worksite Health Promotion (3) (F,S,SS) (P: Completion of core courses)

HLTH 4604. Applied Principles of Health Promotion (3) (F,S) (P: BIOL 2130, 2131; NUHM 2105; PSYC 1000; or consent of instructor)

Choose a minimum of an additional 2 s.h. approved EXSS electives

### 3. Cognates ..... 19 s.h.

ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS) or DSCI 2223. Introduction to Computers (3) (F,S,SS)

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)

CHEM 1121. Basic General and Organic Chemistry Laboratory (1) (F,S) (GE:SC) (C: CHEM 1120)

GERO 2400. Introduction to Gerontology (3) (GE:SO)

NUHM 2105. Nutrition (3) (F,S,SS)

PHYS 1250. General Physics (3) (F,S,SS) (GE:SC) (P: MATH 1065)

PHYS 1251. General Physics Laboratory (1) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350)

### 4. Internship ..... 12 s.h.

EXSS 4800. Internship in Health/Fitness Leadership (12) (F,S,SS) (P: Satisfactory completion of all other degree requirements or consent of dept chair)

### 5. Electives to complete requirements for graduation.

## BS in Physical Education

A minimum cumulative 2.5 GPA, documented scores for Praxis I Series (PPST or CBT), successful completion of the EXSS health-related fitness test, and successful completion of the computer competency requirement are required to declare a major in the BS in physical education degree. The health-related fitness test is administered monthly throughout each semester. See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **128 s.h.** of credit as follows:

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.

Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

- 1. General education and special requirements for students preparing to teach and for certification (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
 BIOL 1050, 1051. General Biology; General Biology Lab (3) (F)(S)(SS) or BIOL 1100, 1101. Principles of Biology I (4,0) (F,S,SS) (GE:SC)  
 PHYS 1250. General Physics (3) (F,S,SS) (GE:SC) (P: MATH 1065)  
 PHYS 1251. General Physics Laboratory (1) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350)
- 2. Core ..... 37 s.h.**  
 EXSS 2122. Motor Development (2) (F,S) (P: BIOL 2130, 2131; C: EXSS 2123)  
 EXSS 2202. Motor Learning and Performance (3) (F,S,SS)  
 EXSS 2323. Principles of Physical Education (2) (F,S,SS)  
 EXSS 2500. Dance in the Schools (2) (F,S,SS) (P: EXSS 1000)  
 EXSS 2600. Childrens Movement Patterns (2) (F,S,SS) (P: EXSS 1000)  
 EXSS 2700. Gymnastics in the Schools (2) (F,S,SS) (P: EXSS 1000)  
 EXSS 2900. Teaching Skillful Movement (3) (F,S,SS) (P: EXSS 2323; P/C: EXSS 2202)  
 EXSS 3510. Lifetime Activities (1) (F,S,SS) (P: Declared EXSS major; EXSS 1000)  
 EXSS 3520. Team Sports (1) (F,S,SS) (P: Declared EXSS major; EXSS 1000)  
 EXSS 3530. Field Sports (1) (F,S,SS) (P: Declared EXSS major; EXSS 1000)  
 EXSS 3540. Track and Field/Physical Conditioning (1) (F,S,SS) (P: Declared EXSS majors; EXSS 1000)  
 EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130, 2131; health and human performance major or minor or consent of dept chair)  
 EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130, 2131; PHYS 1250, 1251; or consent of instructor)  
 EXSS 3900. Elementary School Instruction in Physical Education (3) (F,S) (P: Upper division status; EXSS 2122, 2500, 2600, 2700, 2900)  
 EXSS 3906. Physical Education for Special Populations (3) (VI) (F,S,SS) (P: Upper division status; EXSS 2323; SPED 2000; or consent of instructor)  
 EXSS 4300. Program Development and Management in Physical Education and Sports (2) (F,S) (P: Upper division status; EXSS 2323; or consent of instructor)  
 EXSS 4804. Measurement and Evaluation in Exercise and Sport Science (3) (F,SS) (P: Upper division status; EXSS 2323; MATH 1065; health and human performance major or minor or consent of dept chair)
- 3. Cognates ..... 5 s.h.**  
 BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
 BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)
- 4. Professional studies ..... 26 s.h.**  
 EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)  
 EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)  
 EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division)  
 EXSS 2123. Early Experiences for the Prospective Teacher (1) (F,S) (C: EXSS 2122)  
 EXSS 4323. Middle and High School Instruction in Physical Education (3) (F,S) (P: Upper division status; EXSS 3510, 3520, 3530, 3540, 3900; P/C: 4804)  
 EXSS 4324. Internship in Exercise and Sport Science (10) (F,S) (P: Upper division status; completion of upper-division courses, except READ 3990, EXSS 4325; C: EXSS 4325)  
 EXSS 4325. Internship Seminar: Issues in Physical Education (0) (F,S) (P: Upper division status; C: EXSS 4324)  
 READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS) or READ 5317. Reading in the Junior and Senior High School (3)  
 SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)
- 5. Academic concentration (See School of Education, Academic Concentration. A maximum of 6 s.h. may count toward general education requirements.) ..... 24 s.h.**



## BS in Exercise Physiology

This program provides competencies and knowledge in the field of exercise physiology. Graduates of the program are prepared to pursue further academic training in exercise physiology, physical therapy, medicine, and other allied health careers. A minimum cumulative 2.0 GPA, 32 s.h. general education, and successful completion of the health-related physical fitness requirement is required for admission. A minimum grade of C is required in BIOL 1050, 1051 or 1100, 1101; CHEM 1150, 1151; ENGL 1100, 1200; MATH 1065. Majors must maintain a minimum cumulative GPA of 2.0 and a minimum grade of C is required in BIOL 2130, 2131; CHEM 1160, 1161; and all required EXSS courses. Minimum degree requirement is **126 s.h.** of credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

BIOL 1050, 1051. General Biology and Laboratory (31) (F,S,SS) (GE:SC) or BIOL 1100, 1101. Principles of Biology I (4,0) (F,SS) (GE:SC)  
 CHEM 1150, 1151. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)  
 EXSS 1000. Lifetime Physical Activity and Fitness Laboratory (1) (F,S,SS) (GE:EX)  
 HLTH 1000. Health in Modern Society (1) (F,S,SS) (GE:HL)  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

**2. Core ..... 39 s.h.**

EXSS 2323. Principles of Physical Education (2) (F,S,SS)  
 EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130, 2131; health and human performance major or minor or consent of dept chair)  
 EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130, 2131; PHYS 1250, 1251; or consent of instructor)  
 EXSS 4806. Exercise Evaluation and Prescription (4) (WI) (F,S,SS) (P: EXSS 3805; health and human performance major or minor; or consent of chairperson)  
 EXSS 4991. Independent Research in Exercise Physiology (3) (WI\*) (F,S) (P: EXSS 3950, 4806; or consent of exercise physiology option coordinator)  
 EXSS 4992. Research Internship in Exercise Physiology (12) (F,S) (P: Completion of all other requirements for the exercise physiology option or consent of internship coordinator)  
 EXSS 5020. Exercise Adherence (3) (P: PSYC 1000; P/C: EXSS 4806; health and human performance major or minor; or consent of dept chair)  
 HLTH 2125, 2126. Safety Education and First Aid (30) (F,S,SS)  
 HLTH 2220, 2221. Basic Athletic Training (30) (F,S,SS)  
 Choose 3 s.h. approved electives

**3. Cognates ..... 38-39 s.h.**

ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS) or DSCI 2223. Introduction to Computers (3) (F,S,SS)  
 BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
 BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)  
 BIOL 5800. Principles of Biochemistry I (3) (P: CHEM 2760, 2763) or BIOL 3310, 3311. Cellular Physiology (4,0) (F,S,SS) (P: 1 organic or biochemistry CHEM course)  
 BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor) or MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent) or PSYC 2101. Psychological Statistics (4) (F,S,SS) (P: MATH 1065 or equivalent or MATH 2127)  
 CHEM 1160, 1161. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)  
 CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161; C: CHEM 2753)  
 CHEM 2753. Organic Chemistry Laboratory I (1) (F,S,SS) (C: CHEM 2750)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

CHEM 2760. Organic Chemistry II (3) (F,S,SS) (P: CHEM 2750; C: CHEM 2763)  
 CHEM 2763. Organic Chemistry Laboratory II (1) (F,S,SS) (P: CHEM 2750, 2753; C: CHEM 2760)  
 NUHM 1000. Contemporary Nutrition (3) (F,S,SS) or NUHM 2105. Nutrition (3) (F,S,SS)  
 PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)  
 PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)

#### **4. Electives to complete requirements for graduation.**

*Recommended electives:*

BIOL 5821. Principles of Biochemistry Laboratory (1) (P/C: BIOL 5800 or 5810)  
 EXSS 3950, 3951, 3952. Practicum in Exercise Physiology (1,1,1) (F,S,SS) (P: Consent of exercise physiology coordinator)  
 EXSS 4500, 4501, 4502. Independent Study in EXSS (1,2,3) (P: Consent of instructor)  
 EXSS 5800. Physical Activities for the Aged (3) (P: GERO 2400 or consent of instructor)  
 NUHM 3105. Nutritional Biochemistry and Metabolism (3) (WI) (F,S) (P: BIOL 1050, 2130, 2131; CHEM 2650, 2651; or equivalent; NUHM 2105; a statistics course; P/C: NUHM 3104; C: NUHM 3106)  
 NUHM 3106. Nutritional Biochemistry and Metabolism Laboratory (1) (WI) (F,S) (P: BIOL 1050, 2130, 2131; CHEM 2650, 2651; or 2750, 2751; NUHM 2105; a statistics course; C: NUHM 3105)

### **Exercise and Sport Science Minor**

Minimum requirement for the exercise and sport science minor is **38 s.h.** of credit as follows:

#### **1. Core ..... 25 s.h.**

EXSS 2202. Motor Learning and Performance (3) (F,S,SS)  
 EXSS 2323. Principles of Physical Education (2) (F,S,SS)  
 EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130, 2131; PHYS 1250, 1251; or consent of instructor)  
 EXSS 4300. Program Development and Management in Physical Education and Sports (2) (F,S,SS) (P: Upper division status; EXSS 2323)  
 EXSS 4805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130, 2131; health and human performance major or minor or consent of dept chair)  
 HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS)  
 HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130, 2131)  
 Choose 6 s.h. HLTH or EXSS electives

#### **2. Cognates (BIOL 1050, 1051; CHEM 1020 may count toward general education requirement.) ..... 13 s.h.**

BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (GE:SC)  
 BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
 BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)  
 CHEM 1020. General Descriptive Chemistry (4) (F,S) (GE:SC)

### **DEPARTMENT OF HEALTH EDUCATION AND PROMOTION**

*David White, Chairperson, 204 Christenbury Gymnasium*

### **BS in Athletic Training**

The athletic training degree program is a Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited undergraduate program based on a minimum of 126 s.h.: 42 s.h. of general education courses, 63 s.h. in the major area, and elective hours which can result in an approved minor or prepare one for further graduate study in an allied health profession such as physical therapy or physician assistant program. Upon successful completion of this degree, the student will be eligible to sit for the National Athletic Trainers' Association Board of Certification exam. There is a strong clinical aspect of the program involving a minimum of 800 supervised hours under a certified athletic trainer. At least one-half of these hours are in addition to regular course work. Admission to the university does not guarantee admission to the athletic training degree, as it is restricted by an imposed student-to-clinical instructor ratio. Competitive admission is based upon assessments of the applicant's academic abilities, knowledge, dedication to the profession, and commitment to the

## SECTION 7: DEGREES

health care of others. Eligible applicants must have a minimum cumulative and semester 2.0 GPA, completed HLTH 1800, 2810, 2811 with a minimum grade of C, current cardiopulmonary resuscitation (CPR) certification from an approved provider, successfully completed a two-semester (fall and spring, consecutively) candidacy period, passed a health screening/physical examination, a letter of formal application on file, and an interview with the athletic training faculty and staff. Athletic training students are required to earn a minimum course grade of C in all athletic training courses. A minimum cumulative GPA of 2.0 must be sustained throughout the program. All students in the degree are required to maintain current CPR certification, Hepatitis B immunization (or waiver), and liability insurance for the duration of their involvement in the curriculum. Verification of CPR certification and liability insurance is required each academic year. In addition, all student athletic trainers must attend two-thirds of the inservice training sessions given outside of the classroom each semester. Specific requirements are stated in the Student Athletic Training Handbook. There are written technical standards for admission that can be found in the handbook and the programs web site. The athletic training degree requires a minimum of 800 practical, supervised clinical hours under the direction of a certified athletic trainer. The candidacy period does not count toward the total hours required. The 800 hours are to be achieved outside of the classroom requirements with the exception of HLTH 3860 and 4860. Minimum degree requirement is **126 s.h.** of credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

BIOL 1050, 1051. General Biology and Laboratory (31) (F,S,SS) (GE:SC)  
HLTH 1000. Health in Modern Society (2) (F,S,SS) (GE:HL)  
MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
PHYS 1250. General Physics (3) (F,S,SS) (GE:SC) (P: MATH 1065)  
PHYS 1251. General Physics Laboratory (1) (F,S,SS) (GE:SC) (C: PHYS 1250 or 2350)  
PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

**2. Core ..... 63 s.h.**

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)  
EXSS 1101. Physical Conditioning (1) (F,S,SS)  
EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130, 2131; health and human performance major or minor or consent of dept chair)  
EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130, 2131; PHYS 1250, 1251; or consent of instructor)  
HLTH 1800. Orientation to Athletic Training (1) (F) (P: Admission to candidacy period of athletic training curriculum)  
HLTH 2000. Introduction to Health Education (3) (F,S,SS)  
HLTH 2125, 2126. Safety Education and First Aid (30) (F,S,SS)  
HLTH 2800. Standard Nomenclature of Athletic Injuries (3) (F)  
HLTH 2810. Principles of Athletic Training (3) (S) (C: Current participation in candidacy aspect of the athletic training program; first aid and CPR certification; C: HLTH 2811; RC: BIOL 2130, 2131)  
HLTH 2811. Principles of Athletic Training (0) (S) (P: Current participation in candidacy period of athletic training program or consent of instructor; first-aid and CPR certification; C: HLTH 2810; RC: BIOL 2130, 2131)  
HLTH 3020. Health Problems II (3) (F,S,SS) (P: HLTH 3010 or consent of instructor)  
HLTH 3200. Field Experience in Athletic Training I (1) (F) (C: Current participation in the athletic training curriculum; HLTH 3810)  
HLTH 3250, 3251. Sports Medicine Treatment Modalities (30) (F) (P: HLTH 3810 or consent of instructor)  
HLTH 3270. Pathology and General Medicine in Sport (3) (S) (P: BIOL 2130, 2131)  
HLTH 3271. Clinical Experience in Medicine (1) (F,S,SS) (P: HLTH 3200, 3270)  
HLTH 3280, 3281. Therapeutic Rehabilitation in Sports Medicine (30) (S) (P: HLTH 3250, 3251; or consent of instructor)  
HLTH 3350. Pharmacology in Sport (2) (F)  
HLTH 3810. Etiology and Evaluation of the Trunk and Upper Extremity (3) (F) (P: HLTH 2810; P/C: BIOL 2130, 2131)  
HLTH 3820. Etiology and Evaluation of Lower Extremity (3) (S) (P: HLTH 2810; P/C: BIOL 2130, 2131)  
HLTH 3860. Sports Medicine Practicum I (3) (F) (P: Admission to the athletic training program; HLTH 3810)  
HLTH 4300. Field Experience in Athletic Training II (1) (F,S,SS) (P: HLTH 3250, 3251, 3810, 3820; C: Current participation in the athletic training curriculum)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

HLTH 4320. Organization and Administration of Sports Medicine (3) (P: HLTH 3810, 3820)

HLTH 4860. Sports Medicine Practicum II (3) (S) (P: HLTH 3860)

NUHM 2105. Nutrition (3) (F,S,SS)

A course in research methodology/statistical design (3)

### 3. Minor or approved electives to complete requirements for graduation.

#### BS in Health Education and Promotion

Students entering the health education and promotion degree program choose one of three concentrations: community health, prehealth professions, or worksite health promotion. The community health concentration requires a minimum cumulative GPA of 2.5 for entry and thereafter the student must maintain a minimum 2.0 GPA in the required cognates and pass all health education core courses with a minimum grade of C. A student earning a D in any of these courses must petition the Department of Health Education and Promotion for probationary continuation. No student on probation may enroll for HLTH 4991, Health Education and Promotion Internship. Students entering the worksite health promotion concentration must have a minimum cumulative 2.0 GPA and a minimum 2.5 GPA calculated on four courses: PSYC 3241; FINA 2244; EHST 3100; HLTH 2000. Students entering the prehealth professions concentration must have a minimum cumulative 2.0 GPA. Students must complete an interview with health education faculty. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below for all options as well as additional general education requirements for each option. .... 42 s.h.**

#### All concentrations:

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)

HLTH 1000. Health in Modern Society (2) (F,S,SS) (GE:HU)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

#### Community Health:

BIOL 1050, 1051. General Biology and Laboratory (31) (F,S,SS) (GE:SC)

COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

#### Prehealth Professions:

BIOL 1110, 1101. Principles of Biology I and Laboratory (4,0) (F,S,SS) (GE:SC)

SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

#### Worksite Health Promotion:

BIOL 1050, 1051. General Biology and Laboratory (31) (F,S,SS) (GE:SC)

PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)

- 2. Common Core ..... 34 s.h.**

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)

HLTH 2000. Introduction to Health Education (3) (F,S,SS)

HLTH 2125, 2126. Safety Education and First Aid (30) (F,S,SS)

HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130, 2131)

HLTH 3020. Health Problems II (3) (F,S,SS) (P: HLTH 3010 or consent of instructor)

HLTH 3030. Health Behavior (3) (WI) (F,S,SS) (P: PSYC 1000)

HLTH 4604. Applied Principles of Health Promotion (3) (F,S) (P: BIOL 2130, 2131; NUHM 1000 or 2105; PSYC 1000; or consent of instructor)

HLTH 4991. Health Education and Promotion Internship (12) (F,S,SS) (P: Completion of all other major requirements)

NUHM 1000. Contemporary Nutrition (3) (F,S,SS) or NUHM 2105. Nutrition (3) (F,S,SS)

- 3. Concentration (Choose one option.) ..... 25-43 s.h.**

#### Community Health (27 s.h.):

BIOS 5010. Epidemiology for Health Professionals (3)

EHST 2110. Introduction to Environmental Health Science (3) (F,S)

## SECTION 7: DEGREES

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HLTH 3000. Theory and Practice in Community Health Education (3) (S)  
HLTH 4605. Community Strategies for Health Education (3) (F,S,SS) (WI\*) (P: HLTH 3000 or consent of instructor)  
HLTH 4611. Planning and Evaluation of Community Health Education Programs (3) (F,S) (P: HLTH 3000, 4620, 4621)  
HLTH 4620. Group Strategies for Community Health Education (3) (S) (P: HLTH 3000; C: HLTH 4621 or consent of instructor)  
HLTH 4621. Group Strategies Laboratory (0) (S) (C: HLTH 4620)  
HLTH 5002. Maternal and Child Health Education (3) (P: HLTH 3010 or consent of instructor)  
MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent or approved basic statistics course)  
PSYC 3221. Social Psychology (3) (F,S,SS) (GE:SO)

### **Prehealth Professions (43 s.h.)**

BIOL 1200, 1201. Principles of Biology and Laboratory II (4,0) (F,S,SS) (GE:SC)  
CHEM 1150, 1151. General Chemistry and Laboratory (31) (F,S,SS) (GE:SC)  
CHEM 1160, 1161. General Chemistry and Laboratory II (31) (F,S,SS) (GE:SC)  
CHEM 2750. Organic Chemistry I (3) (F,S,SS) (P: CHEM 1160, 1161)  
CHEM 2760, 2762. Organic Chemistry and Laboratory II (3,2) (F,S,SS) (P: CHEM 2750)  
HLTH 2800. Standard Nomenclature of Athletic Injuries (3) (F)  
HLTH 3300, 3301. Introduction to Patient Education (30) (S)  
PHYS 1250, 1251. General Physics and Laboratory (31) (F,S,SS) (GE:SC) (P: MATH 1065)  
PHYS 1260, 1261. General Physics II and Laboratory (31) (F,S,SS) (GE:SC)

Choose 9 s.h. from the following:

ANTH 3252. Medical Anthropology (3) (P: ANTH 1000 or 2010 or 2200)  
BIOL 2110, 2111. Fundamentals of Microbiology (4,0) (P: BIOL 1100, 1101; 8 s.h. CHEM)  
BIOL 2300. Genetics (3)  
BIOL 5800, 5821. Principles of Biochemistry and Laboratory (31)  
BIOL 5810. Principles of Biochemistry II (3)  
BIOS 1500. Introduction to Biostatistics (3) (P: MATH 1065)  
BIOS 5010. Epidemiology for Health Professionals (3) (P: BIOS 1500)  
CHEM 2770, 2771. Biological Chemistry and Lab (31) (P: CHEM 2650 or 2750)  
EXSS 3805. Physiology of Exercise (3) (P: BIOL 2130, 2131)  
HLTH 3515. AIDS HIV Disease in Modern Society (3)  
HLTH 5310. Education for Human Sexuality (3) or HPRO 5000. Seminar in Human Sexual Dysfunctions (3)  
HLTH 5900. Stress Management (3)  
HPRO 2100. Perspectives in Health Care (3)  
PHIL 3281. Introduction to Philosophical Ethics in the Health Care Profession (3) (GE:HU)  
SOC1 3327. Introductory Medical Sociology (3) (P: SOCI 2110) or SOCI 5200. Seminar in Sociology of Health (3) (P: SOCI 2110)

### **Worksite Health Promotion (25 s.h.):**

EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: BIOL 2130, 2131; health and human performance major or minor or consent of dept chair)  
EXSS 4806. Exercise Evaluation and Prescription (4) (WI) (F,S,SS) (P: EXSS 4805; health and human performance major or minor; or consent of chairperson)  
HLTH 4200. Planning and Evaluation in Worksite Health Promotion (3) (F,S,SS) (P: Completion of core courses)  
HLTH 4600. Data Analysis for Health Promotion Programming (3) (S) (C: HLTH 4700)  
HLTH 4700. Practicum Seminar in Worksite Health Education (3) (S) (P: HLTH 4200)  
HLTH 5200. Health Education in the Workplace (3) (P: Undergraduates must have consent of instructor)  
Choose 6 s.h. from:

ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS) or DSCI 2223. Introduction to Computers (3) (F,S,SS)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

EHST 3100. Injury Control (3) (S) (P: Consent of dept chair) or ITEC 3292. Industrial Safety (3) (F,S,SS) (P: Junior standing and completion of 12 s.h. of industrial technology courses)  
 FINA 2244. Legal Environment of Business (3) (F,S,SS)  
 MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)

- 4. Electives:** It is recommended that courses be taken which reinforce content in the physical, social, and behavioral sciences, or provide the student with a community health specialty area such as gerontology, environmental health, or health promotion. Number of elective hours varies by concentration.

### **BS in School Health Education**

Students entering the school health degree program must have a minimum cumulative 2.5 GPA. See Section 6, Undergraduate Studies, Special Requirements for the BS Degree for Students Preparing to Teach. See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (GE:SC)  
 BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
 HLTH 1000. Health in Modern Society (2) (F,S,SS) (GE:HL)  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)  
 SOCI 1025. Courtship and Marriage (3) (F,S,SS) (GE:SO)  
 Choose a history course (GE:SO)  
 Choose a literature course (GE:HU)

**2. Core ..... 54 s.h.**

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)  
 EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)  
 EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)  
 EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division) or  
 PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)  
 HLTH 2000. Introduction to Health Education (3) (F,S,SS)  
 HLTH 2123. Early Experiences for the Prospective Teacher (1) (F)  
 HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS)  
 HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130, 2131)  
 HLTH 3020. Health Problems II (3) (F,S,SS) (P: HLTH 3010 or consent of instructor)  
 HLTH 3030. Health Behavior (3) (WI) (F,S,SS) (P: PSYC 1000)  
 HLTH 4323. Methods of Teaching Health Education (3) (F,S)  
 HLTH 4324. Internship in Health Education (10) (F,S) (P: Admission to upper division; EDUC 3200; HLTH 2123; completion of HLTH 4323 with a minimum grade of C; PSYC 1000; C: HLTH 4326)  
 HLTH 4326. Internship Seminar: Issues in Health Education (1) (F,S) (P: Admission to upper division; C: HLTH 4324)  
 HLTH 5310. Education for Human Sexuality (3) (P: Health education major or consent of instructor)  
 NUHM 1000. Contemporary Nutrition (3) (F,S,SS) or NUHM 2105. Nutrition (3) (F,S,SS)  
 READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)  
 SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (RP: SPED 2000)

**3. Approved academic concentration (A maximum of 6 s.h. may count toward general education requirements.) ..... 18-24 s.h.**

**4. Electives to complete requirements for graduation.**

SECTION 7: DEGREES

Driver and Safety Education Add-On Certification

The driver and safety education add-on certification requires **12 s.h.** of credit as follows. For information on the driver and safety teacher certification area, consult the department chair of health education.

- DRED 2000. Introduction to Driver and Traffic Safety Education (3) (F,S,SS) (P: Valid driver's license)
- DRED 2330. K-12 Safety Education (3) (F,S,SS)
- DRED 3309. Advanced Driver and Traffic Safety Education (3) (F) (P: DRED 2000)
- DRED 3320, 3321. Laboratory Programs in Driver and Traffic Safety Education (30) (S) (P: DRED 2000; valid driver's license)

DEPARTMENT OF RECREATION AND LEISURE STUDIES

Thomas K. Skalko, Chairperson, 175 Minges Coliseum

BS in Management of Recreation Facilities and Services

Any student wishing to declare a major in management of recreation facilities and services must, at the time of entrance into the curriculum, possess a minimum 2.0 GPA; have no more than 10 s.h. of general education remaining; have completed the following courses with a minimum grade of C: ENGL 1100, 1200; MATH 1065 or 1066; PSYC 1000; SOCI 2110; have completed a written application; have a personal interview with a faculty member; and have completed a sequencing form (timetable) in consultation with the RCLS adviser. RCLS courses at the 3000 level and above cannot be taken before admission to the major. Any student majoring in management of recreation facilities and services must maintain a minimum cumulative 2.0 GPA and a minimum cumulative 2.0 GPA in all core and cognate courses to remain in good standing. Majors must earn a minimum grade of C in all required RCLS courses. A student wishing to appeal should contact the RCLS department chair within two weeks of notification of academic deficiency. Students graduating from this program are eligible to sit for the examination to become a certified park and recreation professional and thereby acquire this valuable credential for professional advancement. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. **General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) including those listed below ..... 42 s.h.**
  - BIOL 1060. Environmental Biology (4) (F,S,SS) (GE:SC)
  - ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)
  - MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
  - PHIL 2274. Business Ethics (3) (WI\*) (F,S,SS) (GE:HU) or PHIL 2275. Professional Ethics (3) (WI\*) (F,S,SS) (GE:HU)
  - PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)
  - SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)
- 2. **Core ..... 57 s.h.**
  - RCLS 2000. Introduction to Leisure Services (3) (F,S,SS) (P: RCLS major or consent of instructor)
  - RCLS 3003, 3004. Leisure Programming and Laboratory (31) (F,S) (P: Declared RCLS RT major; or MRFS major or minor; RCLS 2000)
  - RCLS 3104. Public and Non-Profit Recreation (3) (F) (P: Declared MRFS major or minor; RCLS 2000)
  - RCLS 3120. Commercial Recreation and Tourism (3) (S) (P: Declared RCLS MRFS major or minor; RCLS 2000; or consent of instructor)
  - RCLS 3131. Special Recreation (3) (F) (P: Declared RCLS MRFS major or minor; RCLS 2000)
  - RCLS 3180. Work Experience Pre-Placement Seminar (1) (S) (P: Declared MRFS major or minor; RCLS 2000)
  - RCLS 3190. Work Experience Through Community/Commercial Recreation Agencies (2) (SS) (P: Declared MRFS major or minor; RCLS 3003, 3004; RCLS 3180; consent of adviser; minimum 2.0 GPA)
  - RCLS 3300. Outdoor Programming (3) (S) (P: Declared RCLS MRFS major or minor; RCLS 2000, 3003, 3004)
  - RCLS 4000. Research Methods and Techniques (3) (F,S) (P: Declared RCLS RT major; or MRFS major or minor; MATH 1065 or 1066; RCLS 3003, 3004)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

- RCLS 4002. Administration of Leisure Services (3) (F) (P: Declared RCLS MRFS major or minor; MATH 1065 or 1066; RCLS 3003, 3004)
- RCLS 4004. Philosophical and Current Issues in Leisure (3) (FS) (WI\*) (P: Declared RCLS RT major, or MRFS major or minor; RCLS 3003, 3004)
- RCLS 4111. Design of Parks and Recreation Facilities (3) (S) (P: Declared MRFS major or minor; RCLS 3003, 3004, 3104)
- RCLS 4120. Leisure Services Marketing (3) (S) (P: Declared RCLS MRFS major or minor; RCLS 3003, 3004, 3104)
- RCLS 4122. Case Studies Leisure Management (3) (F) (P: Declared RCLS MRFS major or minor; RCLS 3003, 3004, 3120)
- RCLS 4902. Internship Pre-Placement Seminar (2) (FS) (P: Declared RCLS RT or MRFS major; minimum cumulative 2.0 GPA; consent of RCLS adviser)
- RCLS 4990. Recreation Internship (12) (WI) (F,S,SS) (P: Declared RCLS RT or MRFS major or minor; RCLS 4902; senior standing; minimum cumulative 2.0 GPA; minimum grade of C in all RCLS courses; successful completion of all other degree requirements and current certification in first aid and CPR)
- RCLS 5111. Recreational Facility Management (3) (P: RCLS 3003, 3004, 3120; or consent of the instructor)

**3. Cognates..... 21 s.h.**

- ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)
- DSCI 2223. Introduction to Computers (3) (F,S,SS)
- FINA 2244. Legal Environment of Business (3) (F,S,SS)
- ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
- MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)
- Choose 6 s.h. from:
- ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)
- CDFR 4306. Directing Behavior and Development of Children (3) (F,S,SS)
- COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)
- EXSS 2600. Childrens Movement Patterns (2) (F,S,SS) (P: EXSS 1000)
- GERO 2400. Introduction to Gerontology (3) (GE:SO)
- PLAN 3021. Environmental Planning (3) (F)
- POLS 3252. Public Administration (3) (F) (GE:SO)
- PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)
- PSYC 3221. Social Psychology (3) (F,S,SS) (GE:SO)
- PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)
- RCLS 2400. Facilitation and Leadership of Adventure-Based Programs (3)
- SOCI 3289. Community Organization (3) (S) (GE:SO) (P: SOCI 2110)

Other courses as approved by management of recreation facilities and services degree program coordinator

**4. Electives to complete requirements for graduation.**

**BS in Recreational Therapy**

Any student wishing to declare a major in recreational therapy must, at the time of entrance into the curriculum, possess a minimum 2.0 GPA; have no more than 10 s.h. of general education remaining; have completed the following courses with a minimum grade of C: ENGL 1100, 1200; PSYC 1000; SOCI 2110; and one from MATH 1065, 1066, 1067, 2127; have completed a written application; have a personal interview with a faculty member; and have completed a sequencing form (timetable) in consultation with the RCLS adviser. RCLS courses at the 3000 level and above cannot be taken before admission to the major. Admission to recreational therapy is competitive and limited due to space availability. Majors must maintain a minimum cumulative 2.0 GPA and a minimum cumulative 2.0 GPA in all cognate courses to remain in good standing. Majors must earn a minimum grade of C in all required RCLS courses. A student wishing to appeal should contact the RCLS department chair within two weeks of notification of academic deficiency. Students graduating from this program are eligible to sit for the examination to become a certified park and recreation professional and thereby acquire this valuable credential for professional advancement. Additionally, students graduating in recreational therapy are eligible to apply for certification as a therapeutic recreation specialist in North Carolina and at the national level. Minimum degree requirement is **123 s.h.** of credit as follows:



## SECTION 7: DEGREES

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) including those listed below ..... 42 s.h.**
- BIOL 1050, 1051. General Biology and Laboratory (31) (F,S,SS) (GE:SC), or BIOL 1100, 1101. Principles of Biology I (4,0) (F,S,SS) (GE:SC)
- BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)
- BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)
- COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)
- MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 1067. Algebraic Concepts and Relationships (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)
- PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)
- PSYC 2275. Psychology of Adjustment (3) (F,S)
- SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)
- 2. Core ..... 49 s.h.**
- RCLS 2000. Introduction to Leisure Services (3) (F,S,SS)
- RCLS 2230. Recreational Therapy Foundations (3) (F,S)
- RCLS 3003, 3004. Leisure Programming and Laboratory (31) (F,S) (P: Declared RT major, or MRFS major or minor; RCLS 2000)
- RCLS 3240. Disability Survey for Recreational Therapy Services (3) (F,S) (P: Declared RT major; BIOL 2130, 2131; RCLS 2000)
- RCLS 4000. Research Methods and Techniques (3) (F,S) (P: Declared RT major or MRFS major or minor; RCLS 3003, 3004)
- RCLS 4004. Philosophical and Current Issues in Leisure (3) (F,S) (WI\*) (P: Declared RT major or MRFS major or minor; RCLS 3003, 3004)
- RCLS 4250. Recreational Therapy Program Design (3) (F,S) (P: Declared RT major; RCLS 2230, 3003, 3004, 3240)
- RCLS 4252. Recreational Therapy Leadership and Group Dynamics (3) (F,S) (P: Declared RT major; RCLS 2230, 3003, 3004, 3240)
- RCLS 4260. Recreational Therapy Practicum (1) (F,S) (P: Declared RT major; RCLS 4250, 4252)
- RCLS 4262. Recreational Therapy Interventions and Techniques (3) (F,S) (P: Declared RT major; RCLS 4250, 4252)
- RCLS 4264. Recreational Therapy Assessment, Documentation, and Evaluation (3) (F,S) (P: Declared RT major; RCLS 4250, 4252)
- RCLS 4266. Organization and Management of Recreational Therapy Services (3) (F,S) (P: Declared RT major; RCLS 4250, 4252)
- RCLS 4902. Internship Pre-Placement Seminar (2) (F,S) (P: Declared RT or MRFS major; minimum cumulative 2.0 GPA; consent of RCLS adviser)
- RCLS 4990. Recreation Internship (12) (WI) (F,S,SS) (P: Declared RT or MRFS major; RCLS 4902; senior standing; minimum cumulative 2.0 GPA; minimum grade of C in all RCLS courses; successful completion of all other degree requirements; current certification in first aid and CPR)
- 3. Cognates ..... 20 s.h.**
- EXSS 5303. Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities (3) (P: EXSS 3545; SPED 5101; or consent of instructor) or EXSS 5903. Physical Activity Programs for Individuals with Orthopedic, Neurologic, and Sensory Impairments (3) (P: BIOL 2130 or equivalent or consent of instructor)
- HIMA 3000. Introduction to Medical Terminology (2) (F,S,SS)
- PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)
- PSYC 4375. Abnormal Psychology (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)
- Choose 6 s.h. from:
- ASLS 2020. Sign Language Studies I (3) (F,S,SS)
- DNCE 2200. Creative Dance and Drama for the Elementary School (2) (S)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

- EXSS 5303. Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities (3) (P: EXSS 3545; SPED 5101; or consent of instructor) or EXSS 5903. Physical Activity Programs for Individuals with Orthopedic, Neurologic, and Sensory Impairments (3) (P: BIOL 2130 or equivalent or consent of instructor) if not taken in concentration
- HLTH 5900. Stress Management (3) (P: Undergraduate course in anatomy and physiology; graduate standing or consent of instructor)
- MUSC 2277. Orientation to Therapy (1) (S)
- MUSC 2287. Orientation to Therapy Practicum (1) (S)
- MUSC 3257. Music Therapy I: Introduction to Music in Therapy (3) (F)
- MUSC 3357. Music Therapy Practicum I (1) (F)
- RCLS 2400. Facilitation and Leadership of Adventure-Based Programs (3)
- THEA 4030. Creative Dramatics (3) (S) (GE:FA)
- Other courses as approved by the recreational therapy degree program director.

Choose 3 s.h. from:

- COMM 3142. Small Group Communication (3) (P: COMM 1001, 1002)
- EXSS 2202. Motor Learning and Performance (3)
- GERO 2400. Introduction to Gerontology (3) (GE:SO)
- PSYC 3225. Psychology of Learning (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)
- PSYC 3226. Human Learning and Cognition (3) (GE:SO) (P: PSYC 1000 or 1060)
- REHB 2003. Alcohol and Drug Abuse: Health and Social Problem (3) (F,S)
- SOCI 3220. Sociology of Deviant Behavior (3) (GE:SO) (F,S,SS) (P: SOCI 2110)
- SOCI 3327. Introductory Medical Sociology (3) (GE:SO) (P: SOCI 2110 or consent of instructor)
- Other courses as approved by the recreational therapy degree program director.

#### **4. Electives to complete requirements for graduation.**

##### **Management of Recreation Facilities and Services Minor**

Minimum requirement for the recreation and leisure studies minor is **12 s.h.** of credit as follows:

- 1. Core ..... 13 s.h.**
- RCLS 2000. Introduction to Leisure Services (3) (F,S,SS)
- RCLS 3003. Leisure Programming (3) (F,S) (P: Declared RT major or MRFS major or minor; RCLS 2000; C: RCLS 3004)
- RCLS 3004. Leisure Programming Laboratory (1) (F,S) (P: Declared RT major or MRFS major or minor; RCLS 2000; C: RCLS 3003)
- RCLS 4002. Administration of Leisure Services (3) (F,S) (P: Declared MRFS major or minor; RCLS 3003, 3004)
- RCLS 4004. Philosophical and Current Issues in Leisure (3) (F,S) (VI\*) (P: Declared RT major or MRFS major or minor; RCLS 3003, 3004)
- 2. RCLS courses from either degree program ..... 12 s.h.**

# SCHOOL OF HUMAN ENVIRONMENTAL SCIENCES

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*Karla Hughes, Dean, 142 Rivers Building*

## Curricula

The mission of the School of Human Environmental Sciences is to improve the quality of life for individuals and families through education, research, and service. The knowledge base of the field includes individual and family development through the life span, early childhood education, human nutrition and food, the management of food service and lodging operations, interior design, apparel, and textiles. The faculty members of the school are committed to educating students for professional practice; to conducting research on the conditions which influence the quality of life for individuals and families; and to extending the knowledge of human environmental sciences through service to the state of North Carolina and beyond.

The School of Human Environmental Sciences offers undergraduate study in the following fields: birth through kindergarten teacher education, child life, nutrition and dietetics, family and community services, hospitality management, interior design, and merchandising.

The School of Human Environmental Sciences offers baccalaureate and master's degree programs through three departments: apparel merchandising and interior design; child development and family relations; and nutrition and hospitality management. The interior design major is accredited by the Foundation for Interior Design Education Research (FIDER) and endorsed by the National Kitchen and Bath Association (NKBA). The dietetics major is a Didactic Program in Dietetics (DPD) approved by the Commission on Accreditation for Dietetics Education (CADE) of the American Dietetic Association. CADE is a specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the United States Department of Education. The Department of Nutrition and Hospitality Management also offers a dietetic internship that is accredited by CADE. (See graduate catalog for details.) Completion of an approved DPD and an accredited dietetic internship or other accredited/approved supervised experience program are required to become a registered dietitian (RD). The Department of Child Development and Family Relations offers course work in partial fulfillment of the Family Life Education Certification from the National Council on Family Relations, the Infant-Toddler and Family Specialist Certification from the NC Department of Human Resources, Child Life Certification from the Association for the Care of Children's Health, and birth-kindergarten teacher licensure from the North Carolina Department of Public Instruction. Teacher certification in family and consumer sciences is offered by the School of Education in cooperation with the School of Human Environmental Sciences. (See School of Education.)

Students completing the major and minor requirements within the School of Human Environmental Sciences may use human environmental sciences core courses to satisfy only one requirement. A specific course may not be used to count toward the major and minor.

## Bachelor's and Accelerated MBA Program

Students in the merchandising or hospitality management programs who also wish to complete an MBA with either an apparel and textile management option or a hospitality management option may elect to follow an accelerated program of study. This program allows students to complete the requirements for the BS degree in four years and, if qualified, the MBA in two semesters plus summer study. Interested students should consult with their adviser early in the undergraduate program regarding required courses, sequencing, and grade requirements. (See Section 6, Undergraduate Studies, Bachelor's and Accelerated MBA Program.)

## DEPARTMENT OF APPAREL MERCHANDISING AND INTERIOR DESIGN

*Katherine Warsco, Chairperson, 152 Rivers Building*

### BS in Apparel and Textiles Merchandising

Students majoring in merchandising have two concentration options: apparel merchandising or interiors merchandising. To declare the merchandising major, students must have a cumulative 2.5 GPA and complete a minimum of 12 s.h. and AMID 1135 and MATH 1065. Throughout the program students must make a C or better in all AMID major courses and business administration minor courses. Minimum degree requirement is **126 s.h.** of credit as follows:

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
 COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)
- 2. Core ..... 36 s.h.**  
 AMID 1135. Principles of Merchandising (3) (F,S)  
 AMID 2034. Textiles (3) (S) (C: AMID 2035) or 2040. Textiles for Interiors (3) (F)  
 AMID 2035. Textiles Laboratory (1) (F) (P: AMID 2040; C: 2034)  
 AMID 2350. Merchandising Strategies (3) (F) (P: AMID 1135)  
 AMID 3350. Merchandising Analysis (3) (S) (P: AMID 2350)  
 AMID 3400. Visual Merchandising, Planning, and Operations (3) (S) (P: AMID 1135)  
 AMID 3883. Professional Development in Merchandising (2) (F) (P: Senior standing)  
 AMID 4209. Directed Study: Research in Merchandising (3) (VI) (S) (P: Senior standing)  
 AMID 4300. Global Economics: Textiles, Apparel, and Interior Furnishings Industries (3) (VI) (F) (P: AMID 2034 or 2040; ECON 2113)  
 AMID 4350. Merchandise Buying and Sourcing (3) (F,S,SS) (P: AMID 3350)  
 AMID 4883. Merchandising Internship (3) (VI) (F,SS) (P: AMID 3883; Senior merchandising major; minimum cumulative 2.5 GPA; consent of instructor)  
 6 s.h. adviser-approved electives
- 3. Concentration area: (Choose one area.) ..... 12 s.h.**  
**Apparel:**  
 AMID 2239. Apparel and Human Behavior (3) (S)  
 AMID 3050. Quality Analysis: Apparel (3) (S) (P: AMID 1135; 2034 or 2040; 2035)  
 AMID 3200. Consumer Studies in Merchandising (3) (S) (P: AMID 2350)  
 AMID 3307. Nineteenth and Twentieth Century Costume (3) (S) (P: AMID 2239)  
**Interiors:**  
 AMID 1180. Interior Design Fundamentals (3) (F,S)  
 AMID 2700. Historic Interiors I: 3000 BC through Mid-Nineteenth Century (3) (VI) (F)  
 AMID 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (VI) (S)  
 AMID 3550. Materials and Specifications (3) (F) (P: AMID 2040; junior standing; AMID major)
- 4. Minor in business ..... 27 s.h.**
- 5. Electives to complete requirements for graduation.**

## **BS IN INTERIOR DESIGN**

Students complete the freshman and sophomore preparatory courses in interior design followed by admission into professional-level (junior-senior) courses based on an acceptable level of proficiency in studio work as shown in the sophomore portfolio review, a minimum cumulative 2.5 GPA, and a minimum grade of C in the following courses: AMID 1180, 1181, 1500, 2040, 2800, 2850; ART 1905; DESN 3030, 3031.

**Sophomore Portfolio Review:** During the second semester of the sophomore year, students submit portfolios which contain representative work from specific design courses: AMID 1181, 1500, 2800 2850, and DESN 3031. This work is evaluated by the interior design faculty, who recommend whether students are prepared to enter the professional-level interior design courses (junior- and senior-level courses). Students who do not meet the level of proficiency needed for the professional-level courses have the opportunity to resubmit a portfolio a maximum of two additional times. Admission to professional-level courses is competitive and limited.

## SECTION 7: DEGREES

Policy on Student Projects: The AMID department reserves the right to retain, exhibit, and reproduce design projects submitted by students for class assignments for the purpose of complying with accreditation and program requirements. Work submitted for grades is the property of the department until it is returned to the students. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
  - ART 1905. The Dimensions of Art (3) (FS) (GE:FA) (P: Art major)
  - COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)
  - ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)
  - MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)
  - PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)
  - PSYC 3221. Social Psychology (3) (F,S,SS) (GE:SO)
- 2. Core ..... 53 s.h.**
  - AMID 1180. Interior Design Fundamentals (3) (FS)
  - AMID 1181. Interior Design Fundamentals Laboratory (2) (FS) (C: AMID 1180)
  - AMID 1500. Color in Interiors: Theory and Application (3) (FS) (P: AMID 1180, 1181)
  - AMID 2040. Textiles for Interiors (3) (S,SS)
  - AMID 2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (VI) (S)
  - AMID 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (VI) (F)
  - AMID 2800. Interior Design I: Residential Design (2) (FS) (P: AMID 1180, 1181)
  - AMID 2850. Interior Design II: Commercial Design (2) (FS) (P: AMID 1180, 1181)
  - AMID 3550. Materials and Specifications for Interior Design (3) (F) (P: AMID 2040; junior standing; AMID major)
  - AMID 3600. Interior Design III: Systems (3) (FS) (P: DESN 3030, 3031; junior standing; majors only)
  - AMID 3700. Computer Aided Design in Interior Design (3) (FS) (P: DESN 3030, 3031; junior standing; majors only)
  - AMID 3999. Professional Procedures in Interior Design (2) (S) (P/C: Interior design major; COMM 2410 or 2420; all required major courses below the 4000 level)
  - AMID 4500, 4501. Interior Design IV and Laboratory: Universal Design (1,2) (S) (P: AMID 3600; DESN 3030)
  - AMID 4600, 4601. Interior Design V and Laboratory: Commercial Design (1,2) (4600:VI) (F) (P: AMID 3600, 3700)
  - AMID 4880. Interior Design Internship (3) (SS) (P: AMID 3999; senior interior design major; consent of instructor)
  - 6 s.h. adviser-approved electives
  - Choose an additional 6 s.h. electives from:
    - AMID 3650. Kitchen and Bath Design (3) (SS) (P: AMID 3550, 3600)
    - AMID 4650. Advanced Computer-Aided Design (3) (S) (P: AMID 3700)
    - AMID 4700. Problems in Interiors (3) (F) (P: AMID 3600, 3700)
    - AMID 4750. Interior Design for Adaptive Reuse (3) (VI) (SS) (P: AMID 3600, 3700)
- 3. Cognates ..... 18 s.h.**
  - ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)
  - DESN 3030, 3031. Architectural Drafting (3,0) (F,S,SS) (P: DESN 2034, 2035)
  - DESN elective
  - MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
  - Choose 6 s.h. from:
    - MKTG 4332. Professional Selling (3) (FS) (P: MKTG 3832)
    - MKTG 4362. Marketing Strategy (3) (FS) (P: MKTG 3832)
    - MKTG 4752. Advertising and Promotion Management (3) (FS) (P: MKTG 3832)
- 4. Restricted electives (Choose from the following.) ..... 6 s.h.**
  - ART 1005. Design I (3) (F,S,SS) (GE:FA) (P: ART major or administrative approval)
  - ART 1015. Design II (3) (F,S,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)
  - ART 1020. Drawing (3) (VI\*) (F,S,SS) (GE:FA) (P: ART major or administrative approval)
  - ART 1030. Figure Drawing (3) (F,S,SS) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

ART 1906. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)

ART 1907. Art History Survey (3) (FS) (GE:FA) (P: ART 1905 or 1910)

ART 4950. Twentieth Century Architecture (3) (F) (P: ART 1906, 1907)

### 5. Electives to complete requirements for graduation.

#### Apparel Merchandising Minor

The minor in merchandising requires **25 s.h.** of credit as follows:

1. **Core** ..... **16 s.h.**  
 AMID 1135. Principles of Merchandising (3) (FS)  
 AMID 2034, 2035. Textiles and Laboratory (3) (F)  
 AMID 2239. Apparel and Human Behavior (3) (F)  
 AMID 2350. Merchandising Strategies (3) (F) (P: AMID 1135)  
 AMID 4300. Global Economics: Textile, Apparel, and Home Furnishings Industries (3) (VI) (F) (P: AMID 2034 or 2040; ECON 2113)
2. **AMID electives above 2999** ..... **9 s.h.**

### DEPARTMENT OF CHILD DEVELOPMENT AND FAMILY RELATIONS

*Cynthia Johnson, Chairperson, 150 Rivers Building*

#### BS in Birth-Kindergarten (BK) Teacher Education

Freshmen may declare birth through kindergarten teacher education as their major. Prior to enrolling in selected courses, all students must be admitted to the upper division of teacher education. To be admitted to upper division, students must post satisfactory scores on PRAXIS I examinations, have a minimum cumulative 2.5 GPA, and meet technology competency requirements. Transfer students must have completed at least 12 s.h. at East Carolina University. In addition, BK majors must achieve a minimum grade of C in all CDFR and HESC courses required for the major. Applications for admission to internship must be submitted to the internship coordinator one year prior to the semester in which the student will complete internship requirements. For admission to internship, BK majors must have a minimum grade of C in the early experience (CDFR 2123), methods courses (CDFR 4321, 4322, 4323), and EDUC 3200. Students must also be certified in Community First Aid and Safety and Community CPR by the American Red Cross. A minimum grade of C in internship (CDFR 4324, 4325) is required for licensure. Additional information about upper division, internship, and licensure can be found in the School of Education and in the handbook, *Welcome to Teacher Education*. See School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below** ..... **42 s.h.**  
 MATH 1065. College Algebra (3) (FS,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 2127. Basic Concepts of Mathematics (3) (FS,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (FS,SS) (GE:FA)  
 PSYC 1000. Introductory Psychology (3) (FS,SS) (GE:SO)  
 Choose a history course (GE:SO)  
 Choose a literature course (except children's literature) (GE:HU)  
 Choose a speech course (GE:FA)
2. **Professional studies** ..... **33 s.h.**  
 CDFR 2000. Child Development I: Prenatal Through Early Childhood (3) (FS,SS)  
 CDFR 2123. Early Experience in Preschool Education (1) (FS)  
 CDFR 4320. Practicum in Teaching Birth-Kindergarten in the Public Schools (1) (FS) (P: Admission to upper division)  
 CDFR 4323. Kindergarten Curriculum (3) (FS) (P: CDFR 2000, 3150)  
 CDFR 4324. Internship in Birth Through Kindergarten Education (10) (FS) (P: Admission to upper division; CDFR 3200, 4406; professional studies courses; C: CDFR 4325)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

CDFR 4325. Internship Seminar: Issues in Birth-Kindergarten Education (2) (F,S) (P: Admission to upper division;  
C: CDFR 4324)

EDUC 3200. Introduction to American Education (3) (WI\*) (F,S,SS) (P: Early experience course or consent of instructor)

EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S) (P: Admission to upper division)

EDTC 4001. Technology in Education (2) (F,S) (P: Admission to upper division)

ELEM 3249. Literacy Development in Early Childhood (3) (P: Admission to upper division)

SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)

### 3. Core ..... 29 s.h.

CDFR 1103. Marriage and Family Relations (3) (F,S,SS)

CDFR 2124. Interaction Techniques for Working with Young Children (2) (F,S) (P: CDFR major; C: CDFR 2123)

CDFR 3150. Risk and Resiliency in Child Development (3) (F,S) (P: CDFR 2000 or 2001)

CDFR 3200. Developmental Assessment and Intervention with Young Children (3) (WI) (S) (P: CDFR 2000, 3150)

CDFR 4306. Directing Behavior and Development of Children (3) (WI) (F,S,SS)

CDFR 4321. Infant and Toddler Curriculum (3) (F) (P: CDFR 2000)

CDFR 4322. Preschool Methods and Materials (3) (S) (P: CDFR 2000)

CDFR 4406. Parent-Professional Collaboration (3) (F,S) (WI) (P: CDFR 1103, 3200)

NUHM 1000. Contemporary Nutrition (3) (F,S,SS)

3 s.h. adviser-approved electives

### 4. Cognates ..... 10 s.h.

ELEM 3275. Early Childhood and Elementary School Curriculum (3) (F,S,SS)

SPED 3000. Instructional Programming in Special Education (3) (F,SS)

SPED 3510. Methods in Early Childhood Special Education (3) (F,S) (P: Admission to upper division; SPED 3000;  
C: SPED 3511)

SPED 3511. Practicum in Early Childhood Special Education (1) (F,S) (C: 3510)

### 5. Adviser approved electives to complete requirements for graduation.

## BS in Family and Community Services

Students must attain a minimum cumulative 2.25 GPA to be admitted to family and community services. Retention as a major requires maintaining a minimum cumulative 2.25 GPA. A family and community services major who has a cumulative GPA of less than 2.25 for two consecutive semesters will not be allowed to continue in the program. In addition, students must achieve a minimum grade of C in all CDFR and HESC courses required for the major. (Note: Students who meet course requirements for the certification in family life education must make application to the National Council on Family Relations. The Department of Child Development and Family Relations will verify completion of degree requirements, but meeting other requirements for certification is the responsibility of each student.) Minimum degree requirement is **126 s.h.** of credit as follows:

### 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communications (3) (F,S,SS) (GE:FA)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

### 2. Core ..... 51 s.h.

CDFR 1103. Marriage and Family Relations (3) (F,S,SS)

CDFR 2000. Child Development I: Prenatal Through Early Childhood (3) (F,S,SS) or CDFR 2001. Child Development II: Middle Childhood Through Young Adulthood (3) (F,S,SS)

CDFR 2280. Introduction to Child, Family, and Community Services (3) (F) (P: CDFR 1103)

CDFR 2290. Theory and Practice in Family and Community Services (3) (S) (P: CDFR major; CDFR 2280)

CDFR 2400. Introduction to Gerontology (3) (F,S)

CDFR 3002. Child in the Family (3) (F,S,SS)

CDFR 4001. Community Service Internship (8) (WI) (F,S) (P: Senior standing; CDFR major; consent of instructor)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

CDFR 4303. Families and Cultural Diversity (3) (FS) (P: CDFR 1103)  
 CDFR 4306. Directing Behavior and Development of Children (3) (FS,SS) or CDFR 4406. Parent-Professional Collaboration (3) (VI) (FS) (P: CDFR 1103, 3200)  
 CDFR 4313. Trends and Issues in Family Studies (3) (FS,SS) (P: CDFR 1103)  
 CDFR 4366. Family Life Education (3) (S) (P: CDFR 1103)  
 CDFR 4410. Professional Seminar (1) (VI) (FS) (P: Senior standing; CDFR major; consent of instructor)  
 NUHM 1000. Contemporary Nutrition (3) (FS,SS)  
 Choose 9 s.h. CDFR electives

- 3. Cognates..... 6 s.h.**  
 ENGL 3880. Writing for Business and Industry (3) (VI) (FS,SS) (P: ENGL 1200)  
 Choose a 3 s.h. adviser-approved computer course
- 4. Minor or approved concentration ..... 24 s.h.**
- 5. Electives to complete requirements for graduation.**

## **BS in Child Life**

### *Child Life Admission and Progression Standards*

Freshman and transfer students may declare child life as a major. Admission is competitive and limited. Other ECU students must have a 2.5 GPA in order to change from another major to child life. Child life majors who have completed 45 s.h. must maintain a 2.5 GPA. A Child Life major who has a GPA of less than 2.5 for two consecutive semesters will not be allowed to continue in the program. Students must have a 2.5 GPA to enroll in the child life internship and to graduate as a child life major. (Note: Completion of a BS degree with a major in child life does not include certification as a child life specialist. The Child Life Certifying Commission of the Child Development Council administers the certification examination. The Department of Child Development and Family Relations will verify completion of degree requirements, but meeting other requirements for certification is the responsibility of each candidate.) Minimum degree requirement is **126 s.h.** of credit as follows.

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**  
 BIOL 2130. Survey of Human Physiology and Anatomy (4) (FS,SS) (GE:SC) (P: BIOL 1050, 1051; or 1100, 1101)  
 COMM 2410. Public Speaking (3) (FS,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (FS,SS) (GE:FA)  
 MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (FS,SS) (GE:FA)  
 PSYC 1000. Introductory Psychology (3) (FS,SS) (GE:SO)  
 SOCI 2110. Introduction to Sociology (3) (FS,SS) (GE:SO)
- 2. Core..... 55 s.h.**  
 CDFR 1103. Marriage and Family Relations (3) (FS,SS)  
 CDFR 2000. Child Development I: Prenatal Through Early Childhood (3) (FS,SS)  
 CDFR 2001. Child Development II: Middle Childhood Through Young Adulthood (3) (FS,SS)  
 CDFR 2021. Introduction to Child Life (1) (S)  
 CDFR 3002. Child in the Family (3) (FS,SS)  
 CDFR 3150. Risk and Resiliency in Child Development (3) (FS) (P: CDFR 2000 or 2001)  
 CDFR 3200. Development Assessment and Intervention with Young Children (3) (VI) (S) (P: CDFR 2000, 3150)  
 CDFR 3413. The Hospitalized Child (3) (VI) (F) (P: CDFR 2000, 2001; or consent of instructor)  
 CDFR 4210. Child Life Practicum (3) (FS,SS) (P: CDFR 3413)  
 CDFR 4303. Families and Cultural Diversity (3) (FS) (P: CDFR 1103)  
 CDFR 4321. Infant and Toddler Curriculum (3) (F) (P: CDFR 2000) or CDFR 4322. Preschool Methods and Materials (3) (S) (P: CDFR 2000)  
 CDFR 4415. Child Life Internship (12) (FS,SS) (P: CDFR 4412, 4996, 4997)  
 CDFR 4996, 4997. Child-Family Internship and Laboratory (30) (FS,SS) (P: CDFR 1103, 2000, 3002; consent of instructor)  
 NUHM 1000. Contemporary Nutrition (3) (FS,SS)  
 6 s.h. adviser-approved electives



## SECTION 7: DEGREES

- 3. Cognates..... 8 s.h.**  
HIMA 3000. Introduction to Medical Terminology (2) (F,S,SS)  
PSYC 2201. Psychology of Childhood (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060 or equivalent) or PSYC 3240.  
Psychology of Adolescence (3) (F,S,SS) (GE:SO)  
Choose a 3 s.h. adviser-approved computer course
- 4. Restricted electives (Choose from the following.) ..... 9 s.h.**  
ANTH 3252. Medical Anthropology (3) (OY) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor) or  
SOCI 3327. Introductory Medical Sociology (3) (GE:SO) (P: SOCI 2110 or consent of instructor)  
ART 3850. Art in the Elementary School (3) (F,S,SS) (P: Junior standing)  
ASLS 2020. Sign Language Studies I (3) (F,S,SS)  
CSDI 2100. Introduction to Communication Disorders (3) (F,S,SS)  
CSDI 3020. Language Development (3) (F)  
ENGL 4950. Literature for Children (3) (WI) (F,S,SS) (GE:HU) (P: ENGL 1200)  
HLTH 2125, 2126. Safety Education and First Aid (30) (F,S,SS)  
LIBS 3200. The Art of Storytelling (3) (S)  
MUSC 3028. Music Education in Elementary Grades (2) (F,S,SS) (P: MUSC 3018)  
MUSC 3048. Music for Exceptional Children (2) (F,S,SS)  
MUSC 3058. Music for the Preschool Child (2) (SS) (P: MUSC 3018 or consent of instructor)  
MUSC 4277. Music for Group Activities (2) (F) (C: MUSC 4287)  
MUSC 4287. Music for Group Activities Practicum (1) (F) (C: MUSC 4277)  
PSYC 5380. Psychology of the Exceptional Child (3) (P: PSYC 1000 or 1060)  
RCLS 2000. Introduction to Leisure Services (3) (F,S)  
RCLS 3230. Foundations of Therapeutic Recreation (3) (F,S) (P: Declared RCLS therapeutic recreation major or minor;  
BIOL 2130, 2131; RCLS 2000; C: RCLS 3232)  
RCLS 3232. Disability Survey for Therapeutic Recreation Services (3) (F,S) (P: Declared RCLS therapeutic recreation  
major or minor; BIOL 2130, 2131; RCLS 2000; C: RCLS 3230)  
SOCI 5318. Social Aspects of Death and Dying (3) (P: SOCI 2110 or graduate standing or consent of instructor)  
SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)  
SPED 2102. Introduction to Mental Retardation (3) (F,S,SS)
- 5. Electives to complete requirements for graduation.**

### Child Development and Family Relations Minor

The minor in child development and family relations requires **24 s.h.** of credit as follows:

- 1. Core ..... 12 s.h.**  
CDFR 1103. Marriage and Family Relations (3) (F,S,SS)  
CDFR 2000. Child Development I: Prenatal Through Early Childhood (3) (F,S,SS)  
CDFR 2001. Child Development II: Middle Childhood through Adolescence (3) (F,S,SS)  
CDFR 3002. Child in the Family (3) (F,S,SS)
- 2. Electives from child development and family relations courses ..... 12 s.h.**

### DEPARTMENT OF NUTRITION AND HOSPITALITY MANAGEMENT

*Margie Gallagher, Interim Chairperson, 148 Rivers Building*

### BS in Nutrition and Dietetics

Each NUHM course must be completed with a minimum grade of C. Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

CHEM 1150, 1151. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)  
 CHEM 1160, 1161. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)  
 COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

**2. Core ..... 53 s.h.**

NUHM 1010. Cultural Foods (3) (F,S,SS)  
 NUHM 2105. Nutrition (3) (F,S,SS)  
 NUHM 2110. Principles of Food Preparation (2) (S,SS) (C: NUHM 2111)  
 NUHM 2111. Principles of Food Preparation Laboratory (1) (S,SS) (C: NUHM 2110)  
 NUHM 3104. Advanced Vitamins and Minerals (2) (F,S) (P: BIOL 1050, 2130, 2131; CHEM 2650, 2651; or equivalent; NUHM 2105; P/C: NUHM 3105)  
 NUHM 3105. Nutritional Biochemistry and Metabolism (3) (WI) (F,S) (P: BIOL 1050, 2130, 2131; CHEM 2650, 2651; or equivalent; NUHM 2105; statistics course; P/C: NUHM 3104; C: NUHM 3106)  
 NUHM 3106. Nutritional Biochemistry and Metabolism Laboratory (1) (WI) (F,S) (C: NUHM 3105)  
 NUHM 3110. Introduction to Quantity Food Management (3) (F,S) (P: NUHM 1000 or 2105; 1010, 2110, 2111)  
 NUHM 3303. Experimental Food Study (2) (F) (P: NUHM 2110, 2111; C: NUHM 3304)  
 NUHM 3304. Experimental Food Study Laboratory (1) (F) (C: NUHM 3303)  
 NUHM 3311. Life Cycle Nutrition (4) (F,S) (P/C: NUHM 3104)  
 NUHM 3350. Dietetics Administration (3) (S) (P: NUHM 1350)  
 NUHM 4110. Quantity Food Production and Service Management (3) (F,S,SS) (P: NUHM 3110, 3350; or 3991; C: NUHM 4111)  
 NUHM 4111. Quantity Food Production Laboratory (2) (F,S,SS) (C: NUHM 4110)  
 NUHM 4308. Purchasing and Cost Controls for Food Service Operations (3) (F,S,SS) (P: NUHM 3350 or 3991)  
 NUHM 4312. Medical Nutrition Therapy I (4) (F,S) (P: HIMA 3000; NUHM 3105, 3311)  
 NUHM 4313. Medical Nutrition Therapy II (4) (F,S) (P: NUHM 4312; C: NUHM 4500, 4501, 4600)  
 NUHM 4450. Hospitality and Dietetics Resource Management (3) (WI) (S,SS) (P: NUHM 3350 or 3991)  
 NUHM 4500. Community Nutrition Education (3) (S,SS) (P: NUHM 3311; C: NUHM 4313, 4501)  
 NUHM 4501. Community Nutrition Education Laboratory (1) (S,SS) (C: NUHM 4313, 4500)  
 NUHM 4600. Dietetics Exit Seminar (2) (WI) (S,SS) (P/C: NUHM 4110, 4111, 4312, 4313)

**3. Cognates ..... 22 s.h.**

BIOL 1050. General Biology (3) (F,S,SS) (GE:SC)  
 BIOL 2110, 2111. Fundamentals of Microbiology (4,0) (F,S) (GE:SC) (P: 4 s.h. in BIOL; 8 s.h. in CHEM)  
 BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
 BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)  
 CHEM 2650. Organic Chemistry for the Life Sciences (4) (F) (P: CHEM 1160, 1161)  
 CHEM 2651. Organic Chemistry Lab for the Life Sciences (1) (F) (C: CHEM 2650)  
 HIMA 3000. Introduction to Medical Terminology (2) (F,S,SS)  
 Choose a statistics course

**4. Electives to complete requirements for graduation.**

**BS in Hospitality Management**

Each NUHM course must be completed with a minimum grade of C. Minimum degree requirement is **126 s.h.** of credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

### 2. Core ..... 53 s.h.

NUHM 1000. Contemporary Nutrition (3) (F,S,SS)

NUHM 1010. Cultural Foods (3) (F,S,SS)

NUHM 1350. Introduction to Food Service and Lodging Management (3) (WI) (F,SS)

NUHM 2110. Principles of Food Preparation (2) (S,SS) (C: NUHM 2111)

NUHM 2111. Principles of Food Preparation Laboratory (1) (S,SS) (C: NUHM 2110)

NUHM 2591. Field Experience in Hospitality Management I (3) (F,S,SS) (P: Sophomore standing; hospitality management major or minor; NUHM 1350, 2110)

NUHM 2991. Field Experience in Hospitality Management II (3) (F,S,SS) (P: Sophomore standing; hospitality management major or minor; NUHM 1350, 2110)

NUHM 3100. Lodging Systems Management I (3) (F,S) (P: NUHM 1350)

NUHM 3110. Introduction to Quantity Food Management (3) (F,S) (P: NUHM 1000 or 2105; 1010, 2110, 2111)

NUHM 3200. Dimensions of Tourism (3) (F) (P: NUHM 1350)

NUHM 3600. Lodging Systems Management II (3) (F,S) (P: ACCT 2401; NUHM 3100)

NUHM 3990. Field Experience in Hospitality Management III (6) (F,S,SS) (P: NUHM 2991, 3110, 3600; minimum cumulative 2.0 GPA; consent of instructor)

NUHM 4110. Quantity Food Production and Service Management (3) (F,S,SS) (P: NUHM 3110, 3350; or 3991; C: NUHM 4111)

NUHM 4111. Quantity Food Production Laboratory (2) (F,S,SS) (C: NUHM 4110)

NUHM 4244. Hospitality Law (3) (F,S) (P: FINA 2244; NUHM 3991)

NUHM 4308. Purchasing and Cost Controls for Food Service Operations (3) (F,S,SS) (P: NUHM 3350 or 3991)

NUHM 4440. Food Service and Lodging Marketing (3) (F,S) (P: MKTG 3832; NUHM 3991)

NUHM 4450. Hospitality and Dietetics Resources Management (3) (WI) (S,SS) (P: NUHM 3350 or 3991)

### 3. Business administration minor ..... 27 s.h.

### 4. Electives to complete requirements for graduation.

#### Nutrition Minor

The minor in nutrition requires **24 s.h.** of credit as follows:

### 1. Core ..... 14 s.h.

NUHM 1010. Cultural Foods (3) (F,S,SS)

NUHM 2105. Nutrition (3) (F,S,SS)

NUHM 3105. Nutritional Biochemistry and Metabolism (3) (WI) (F,S) (P: BIOL 1050, 2130, 2131; CHEM 2650, 2651; or equivalent; NUHM 2105; statistics course; P/C: NUHM 3104; C: NUHM 3106)

NUHM 3106. Nutritional Biochemistry and Metabolism Laboratory (1) (WI) (F,S) (C: NUHM 3105)

NUHM 3311. Life Cycle Nutrition (4) (F,S) (P/C: NUHM 3104)

### 2. Cognates ..... 10 s.h.

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)

CHEM 2650. Organic Chemistry for the Life Sciences (4) (F) (P: CHEM 1160, 1161)

CHEM 2651. Organic Chemistry Lab for the Life Sciences (1) (F) (C: CHEM 2650)

#### Hospitality Management Minor

The minor in hospitality management requires **29 s.h.** of credit as follows:

NUHM 1010. Cultural Foods (3) (F,S,SS)

NUHM 1350. Introduction to Food Service and Lodging Management (3) (WI) (F,SS)

NUHM 2105. Nutrition (3) (F,S,SS)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

NUHM 2110. Principles of Food Preparation (2) (S,SS)

NUHM 2111. Principles of Food Preparation Laboratory (1) (S,SS) (C: NUHM 2110)

NUHM 3100. Lodging Systems Management I (3) (FS) (P: NUHM 1350)

NUHM 3110. Introduction to Quantity Food Management (3) (FS) (P: NUHM 1000 or 2105; 1010, 2110, 2111)

NUHM 3600. Lodging Systems Management II (3) (FS) (P: ACCT 2401; NUHM 3100)

NUHM 4110. Quantity Food Production and Service Management (3) (F,S,SS) (P: NUHM 3110, 3350; or 3991; C: NUHM 4111)

NUHM 4111. Quantity Food Production Laboratory (2) (F,S,SS) (C: NUHM 4110)

NUHM 4208, 4209 Food and Beverage Management and Laboratory (2,1) (S,SS) (P: NUHM 4110, 4111)

# SCHOOL OF INDUSTRY AND TECHNOLOGY

Robert M. Desmond, Dean, 119 Rawl Building

## Curricula

The School of Industry and Technology offers bachelor of science degrees in construction management, design, electronics, environmental health, industrial distribution, industrial technology, manufacturing, and urban and regional planning; and minors in aerospace studies, construction management, environmental health, industrial technology, military science, occupational safety and health, and urban and regional planning.

## DEPARTMENT OF CONSTRUCTION MANAGEMENT

Douglas W. Kruger, Chairperson, 326 Rawl Building

## Admission

Students indicating interest in construction management will be assigned a departmental faculty adviser upon admission to the university. Students who have an associate degree from an approved technical program will be admitted directly into the transfer core. All other transfer student hours will be individually evaluated for program credit.

## BS in Construction Management

The construction management program is accredited by the American Council for Construction Education. Minimum degree requirement is **126 s.h.** credit as follows:

### 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)

ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO) (P: ECON 2113)

GEOL 1500. Dynamic Earth (3) (F,S,SS) (GE:SC)

GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (GE:SC) (C: GEOL 1500)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH

1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)

PHYS 1250. General Physics (3) (F,S,SS) (GE:SC) (P: MATH 1065 or 1066)

PHYS 1251. General Physics Laboratory (1) (F,S,SS) (GE:SC) (C: PHYS 1250 or 2350)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

### 2. Core (Choose one.) ..... 48-51 s.h.

#### Construction Management (51 s.h.):

CIET 2210. Construction and Civil Materials (3) (F,S,SS)

CMGT 2660, 2661. Construction Techniques I (30) (F,S,SS)

CMGT 2664. Construction Techniques II (3) (F,S,SS)

CMGT 2800. Foundations of Construction (3) (F,S,SS) (P: CIET 2210; computer-related elective)

CMGT 3000. Construction Work Experience (0) (F,S,SS) (P: Consent of dept chair)

CMGT 3100. Architectural Plans and Analysis (3) (F,S,SS) (P: Minimum grade of C in CMGT 2664; 2800; MATH 1065 or 1066)

CMGT 3660. Structural Analysis (3) (F,S,SS) (P: Minimum grade of C in CMGT 2664; MATH 1074 or 1075; PHYS 1250, 1251)

CMGT 3662. Mechanical and Electrical Construction (3) (F) (P: CMGT 3100; PHYS 1250, 1251)

CMGT 3664. Construction Contracts and Specifications (3) (F,S,SS) (P/C: CMGT 3100)

CMGT 3666, 3667. Construction Surveying (30) (F,S,SS) (P: CMGT 3100; MATH 1074 or 1075)

CMGT 3726. Construction Project Safety Management (3) (F,S) (P: CMGT 2660, 3100; minimum grade of C in 3664)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

CMGT 3766. Soils and Foundations (3) (F,S,SS) (P: Minimum grade of C in CMGT 2664; GEOL 1500, 1501; MATH 1074 or 1075; PHYS 1250, 1251)  
 CMGT 4600. Managing Building Quality (3) (VI) (FS) (P: Minimum grade of C in CMGT 3664; ITEC 3290)  
 CMGT 4660. Construction Estimating (3) (FS) (P: CMGT 3100; minimum grade of C in 3664; C: CMGT 3660)  
 CMGT 4662. Construction Planning and Scheduling (3) (FS) (P: CMGT 4660; students with a 2.75 or higher cumulative GPA may take CMGT 4660 as a corequisite)  
 CMGT 4664. Construction Supervision (3) (FS) (P: CMGT 4662)  
 CMGT 4666. Equipment Management (3) (F,S,SS) (P: CMGT 3660, 3766)  
 ITEC 3290. Technical Writing (3) (VI) (F,S,SS) (P: ENGL 1200)

### **Construction Management Transfer Program (48 s.h.):**

Students who hold an associate degree from an approved technical program must transfer courses and take courses at ECU that meet the competencies of the construction management concentration listed above. Students must complete at ECU a minimum of 24 s.h. credit, 18 s.h. from 3000 level or above (must include CMGT 3000, 4600, 4660, 4662, 4664) and 6 s.h. from 2000 level or above. Additional courses may be necessary to meet required prerequisites. Construction management/industrial technology courses completed at ECU and technical transfer courses must total a minimum of 48 s.h. Courses needed to meet requirements must meet at scheduled classes.

### **3. Cognates..... 27 s.h.**

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)  
 EHST 3060, 3061. Environmental Issues in Construction (4,0) (FS) (P: GEOL 1500, 1501)  
 FINA 2244. Legal Environment of Business (3) (F,S,SS)  
 MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065) or transfer credit for MATH 1075  
 MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)  
 PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)  
 Choose 3 s.h. computer-related elective from:  
 DSCI 2223. Introduction to Computers (3) (F,S,SS)  
 ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S,SS)  
 Choose 6 s.h. from:  
 ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)  
 MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)  
 MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)

### **4. Electives to complete requirements for graduation.**

- 5. Completion of American Institute of Constructors Level I Certification exam.** (Passing score on the exam is not required. Exam offered twice annually in April and November. Students must register and pay a fee to sit for the exam during their last semester (FS) of enrollment before graduation.)
- 6. Submission of electronic portfolio containing specified samples of student's work from core courses.**

## **Construction Management Minor**

The construction management minor requires **27 s.h.** of credit as follows:

### **Required courses ..... 27 s.h.**

CIET 2210. Construction and Civil Materials (3) (F,S,SS)  
 CMGT 2660, 2661. Construction Techniques I (30) (F,S,SS)  
 CMGT 2664. Construction Techniques II (3) (F,S,SS)  
 CMGT 2800. Foundations of Construction (3) (F,S,SS) (P: CIET 2210; computer-related elective)  
 CMGT 3100. Architectural Plans and Analysis (3) (F,S,SS) (P: Minimum of C in CMGT 2664; 2800; MATH 1065 or 1066)  
 CMGT 3664. Construction Contracts and Specifications (3) (F,S,SS) (P/C: CMGT 3100)  
 CMGT 3726. Construction Project Safety Management (3) (FS) (P: CMGT 2660, 3100; minimum grade of C in 3664)  
 CMGT 4660. Construction Estimating (3) (FS) (P: CMGT 3100, minimum grade of C in 3664; C: CMGT 3660\*)  
 [\*For students seeking CMGT minor C: CMGT 3660 will be waived]

## SECTION 7: DEGREES

CMGT 4662. Construction Planning and Scheduling (3) (FS) (P: CMGT 4660; students with a 2.75 or higher cumulative GPA may take CMGT 4660 as a corequisite)

### DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCES, SAFETY, AND TECHNOLOGY

*Trenton G. Davis, Interim Chairperson, 319 Belk Building*

#### BS In Environmental Engineering Technology

Minimum degree requirement is **126 s.h.** of credit as follows:

- 1. General Education Requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.). Some courses listed in 3., below, may count toward general education ..... 42 s.h.**
- 2. Core ..... 48 s.h.**
  - EHST 4200. Management and Law (3) (VI) (S)
  - ELEC 2150. Circuit Analysis (3) (FS) (P: ELEC 2054, 2055; MATH 1074 or 1085 or 2119 or 2121; RC: ELEC 3150, 3151)
  - ENET 2000. Introduction to Environmental Engineering Technology (3) (F)
  - ENET 2900. Fundamentals of Engineering Hydraulics (3) (S)
  - ENET 3400. Waste Water Treatment Technology (3) (F)
  - ENET 3550. Environmental Site Remediation (3) (F) (P: CHEM 2750; ENET 2000; GEOL 1700; or consent of instructor)
  - ENET 3850. Hazardous and Solid Waste Control Technology (3) (S)
  - ENET 3950. Environmental Chemistry (3) (F)
  - ENET 4650. Air Pollution Control Engineering (3) (F)
  - ENET 4700. Engineering Thermodynamics (3) (S)
  - ENET 4990. Internship (3) (SS) (P: Minimum of 15 s.h. of ENET)
  - ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,SS)
  - ITEC 3290. Technical Writing (3) (VI) (F,SS) (P: ENGL 1200)
  - Choose 9 s.h. of electives approved by adviser
- 3. Cognates (May count 26 s.h. toward general education.) ..... 62 s.h.**
  - BIOL 1050, 1051. General Biology and Laboratory (4) (F,SS)
  - CHEM 1150, 1151. General Chemistry and Laboratory I (4) (F,SS) (GE:SC)
  - CHEM 1160, 1161. General Chemistry and Laboratory I (31) (F,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
  - CHEM 2750. Organic Chemistry I (3) (F,SS) (P: CHEM 1160, 1161; C: CHEM 2753)
  - COMM 2410. Public Speaking (3) (FS) (SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (FS) (SS) (GE:FA)
  - ECON 2113. Principles of Microeconomics (3) (F,SS) (GE:SO)
  - GEOL 1700. Environmental Geology (4) (FS) (GE:SC)
  - MATH 1085. Pre-Calculus Mathematics (5) (F,SS) (GE:MA) (P: Appropriate score on mathematics placement test or MATH 1065 with a minimum grade of C)
  - MATH 2171. Calculus I (4) (F,SS) (P: MATH 1085 or 2122 with a minimum grade of C)
  - MATH 2172. Calculus II (4) (F,SS) (P: MATH 2171 or 2122 with a minimum grade of C)
  - MATH 2173. Calculus III (4) (F,SS) (P: MATH 2172)
  - MATH 2283. Statistics for Business (3) (F,SS) (P: MATH 1065 or 1066 or equivalent)
  - PHYS 2350. University Physics I (4) (F,SS) (GE:SC) (P: MATH 2121 or 2171)
  - PHYS 2360. University Physics II (4) (F,SS) (GE:SC) (P: MATH 2121 or 2171; PHYS 2350)
  - PSYC 1000. Introduction to Psychology (3) (F,SS) (GE:SO)
  - PSYC 3241. Industrial Psychology (3) (F,SS) (GE:SO)
  - SOCI 2110. Introduction to Sociology (3) (F,SS) (GE:SO)
- 4. Electives to complete requirements for graduation.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

## BS in Environmental Health

A minimum GPA of 2.0 in all 1000-level biology and chemistry courses, a minimum cumulative GPA of 2.0 on at least 30 s.h., and completion of EHST 2110 is required for admission to the professional phase of the environmental health curriculum. Environmental health majors must pass all environmental health courses with a minimum grade of C. A student earning a D in any of these courses must petition the Department of Environmental Health for probationary continuation. Minimum degree requirement is **126 s.h.** of credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

CHEM 1150, 1151. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)

CHEM 1160, 1161. General Chemistry and Laboratory I (31) (F,S,SS) (GE:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)

**Recommended:**

COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

**Public Health:**

GEOG 3220. Soil Properties, Surveys, and Applications (3) (F) (P: GEOG 2250)

**2. Common core ..... 34 s.h.**

EHST 2110. Introduction to Environmental Health Science (3) (F,S)

EHST 2500. Introduction to Radiological Health (3) (S) (P: PHYS 1250, 1251; EHST major)

EHST 3003. Environmental Epidemiology (3) (F)

EHST 3100. Injury Control (2) (S) (P: Consent of dept chair)

EHST 3350, 3351. Water Supply and Waste Water Treatment (4) (F) (P: BIOL 2110, 2111; CHEM 1160, 1161)

EHST 3600. Air Pollution (3) (F) (P: EHST 2110 or consent of instructor)

EHST 3700, 3701. Industrial Hygiene and Laboratory (31) (S) (P: BIOL 2130; CHEM 1160, 1161)

EHST 4010. Toxicological Foundations of Risk Assessment (3) (F) (P: BIOL 2130; CHEM 2650, 2651)

EHST 4200. Environmental Health Management and Law (3) (VI) (F) (P: EHST major)

EHST 4990. Environmental Health Internship (3) (P: EHST major; 13 s.h. in EHST or consent of dept chair)

EHST 5800. Solid and Hazardous Waste Management (3) (P: CHEM 1160, 1161)

**3. Concentration area (Choose one.) ..... 17-19 s.h.**

**Industrial Hygiene:**

EHST 3900. Introduction to Occupational Health (3) (F) (P: 6 s.h. of BIOL, including BIOL 2130; 8 s.h. of general chemistry; or consent of instructor)

MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (GE:MA) (P: MATH 1065 or 1077 with a minimum grade of C)

MATH 2122. Calculus for the Life Sciences II (3) (F,S,SS) (P: MATH 2121)

PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)

PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)

**Public Health:**

EHST 3200, 3201. Food Sanitation Principles and Laboratory (31) (S) (P: Consent of instructor)

EHST 3370, 3371. On-Site Waste Water Treatment and Disposal and Laboratory (31) (S) (P: EHST 3350, 3351; GEOG 3220)

EHST 4300, 4301. Institutional, Recreational Sanitation, and Vectorborne Diseases and Laboratory (31) (F) (P: EHST 2110, 3003, 3100, 3200, 3201, 3350, 3351, 3370, 3371; or consent of instructor)

MATH 2119. Elements of Calculus (3) (F,S,SS) (GE:MA) (P: MATH 1065 with a minimum grade of C)

PHYS 1250. General Physics (3) (F,S,SS) (GE:SC) (P: MATH 1065)

PHYS 1251. General Physics Laboratory (1) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350)



## SECTION 7: DEGREES

### 4. Cognates..... 26 s.h.

BIOL 1050, 1051. General Biology and Laboratory (31) (F,S,SS) (GE:SC)  
BIOL 2110, 2111. Fundamentals of Microbiology (4,0) (FS) (P: 4 s.h. in BIOL; 8 s.h. in CHEM)  
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)  
BIOS 1500. Introduction to Biostatistics (3) (FS) (P: MATH 1065 or equivalent or consent of instructor) or MATH 2228.  
Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent)  
CHEM 2650. Organic Chemistry for the Life Sciences (4) (F) (P: CHEM 1160, 1161)  
CHEM 2651. Organic Chemistry Lab for the Life Sciences (1) (F) (C: CHEM 2650)  
DSCI 2223. Introduction to Computers (3) (F,S,SS)  
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)

### 5. Electives to complete requirements for graduation.

#### Environmental Health Minor

Minimum requirement for environmental health minor is **24 s.h.** to be selected from:

EHST 2110. Introduction to Environmental Health Science (3) (FS)  
EHST 2500. Introduction to Radiological Health (3) (S) (P: PHYS 1250, 1251; EHST major)  
EHST 3003. Environmental Epidemiology (3) (F)  
EHST 3100. Injury Control (2) (S) (P: Consent of dept chair)  
EHST 3200, 3201. Food Sanitation Principles (31) (S) (P: Consent of instructor)  
EHST 3350, 3351. Water Supply and Waste Water Treatment and Laboratory (41) (F) (P: BIOL 2110, 2111; CHEM 1160, 1161)  
EHST 3370, 3371. On-Site Waste Water Treatment and Disposal and Laboratory (31) (S) (P: EHST 3350, 3351; GEOG 4200)  
EHST 3600. Air Pollution (3) (F) (P: EHST 2110 or consent of instructor)  
EHST 3700, 3701. Industrial Hygiene and Laboratory (31) (S) (P: BIOL 2130; CHEM 1160, 1161)  
EHST 3900. Introduction to Occupational Health (3) (F) (P: 6 s.h. of BIOL, including BIOL 2130; 8 s.h. of general chemistry; or consent of instructor)  
EHST 4010. Toxicological Foundations of Risk Assessment (3) (F) (P: BIOL 2130; CHEM 2650, 2651)  
EHST 4300, 4301. Institutional, Recreational Sanitation, and Vectorborne Diseases and Laboratory (31) (F)  
(P: EHST 2110, 3003, 3100, 3200, 3201, 3350, 3351, 3370, 3371; or consent of instructor)  
EHST 5800. Solid and Hazardous Waste Management (3) (P: CHEM 1160, 1161)

#### Occupational Safety and Health Minor

Minimum requirement for environmental health minor is **24 s.h.** as follows:

EHST 3292. Industrial Safety (3) (F,S,SS) (P: Junior standing; Completion of 2 s.h. of industrial technology courses)  
EHST 3700. Industrial Hygiene (3) (S) (P: 8 s.h. of general science lab courses or consent of dept chair)  
EHST 3701. Industrial Hygiene Lab (1) (S) (P: Consent of instructor; C: EHST 3700)  
EHST 3910. General Industry Safety (3) (F)  
EHST 3926. Construction Safety (3) (FS)  
EHST 4200. Environmental Health Management and Law (3) (F)  
Choose 8 s.h. of general science lab courses

## DEPARTMENT OF INDUSTRIAL TECHNOLOGY

*John A. Swope, Interim Chairperson, 105 Flanagan Building*

### Admission

Admission to the university does not guarantee admission as a major in industrial technology. Students entering the Department of Industrial Technology must submit an application for admission to the chairperson of the department indicating that the following minimum requirements for admission have been met: a minimum cumulative 2.0 GPA; completion of MATH 1065 or 1066; and completion of ITEC 2000 or a computer introductory course.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

## BS in Design

The industrial technology program is accredited by the National Association of Industrial Technology. Minimum degree requirement is **126 s.h.** credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

- COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)
- ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)
- MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
- PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
- PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
- PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)
- PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)

**2. Core ..... 48 s.h.**

- DESN 2034, 2035. Engineering Graphics I (3,0) (F,S,SS) (P: Computer-related elective)
- DESN 2036, 2037. Computer-Aided Design and Drafting (3,0) (F,S,SS) (P: DESN 2034, 2035)
- DESN 3030, 3031. Architectural Drafting (3,0) (F,S,SS) (P: DESN 2034, 2035)
- DESN 3032, 3033. Engineering Graphics II (3,0) (S) (P: DESN 2036, 2037)
- DESN 3036, 3037. Architectural Design and Drafting (3,0) (F) (P: DESN 2036, 2037, 3030, 3031)
- DESN 4030, 4031. Descriptive Geometry (3,0) (S) (P: DESN 3032, 3033; MATH 1074)
- DESN 4234, 4235. Machine and Tool Design (3,0) (F) (P: DESN 3032, 3033; MANF 2076, 2077)
- ELEC 2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S,SS) (P: MATH 1065 or 1066 or 1085 or 2119)
- EHST 3292. Industrial Safety (3) (F,S,SS) (P: Junior standing; completion of 12 s.h. of industrial technology courses)
- ITEC 2010. Introduction to Industry and Technology (3) (F,S,SS)
- ITEC 2020. Materials Technology (3) (VI\*) (F,S,SS)
- ITEC 2090. Energy Processing and Transactional Power Systems (3) (F,S,SS)
- ITEC 3290. Technical Writing (3) (VI) (F,S,SS) (P: ENGL 1200)
- MANF 2076, 2077. Non-Polymeric Materials (3,0) (F,S) (P: ITEC 2000, 2001, 2020; DESN 2034, 2035)
- MANF 3020. Manufacturing Processes (3) (VI\*) (F,S,SS) (P: ITEC 2090; MANF 2076, 2077)
- Choose 3 s.h. of approved industrial technology electives

**3. Cognates ..... 24 s.h.**

- ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)
- FINA 2244. Legal Environment of Business (3) (F,S,SS)
- MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065)
- MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
- Choose 4 s.h. CHEM electives, excluding CHEM 0150
- Choose 6 s.h. from:
- ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)
- ITEC 4293. Industrial Supervision (3) (VI) (F,S) (P: Senior standing; completion of 20 s.h. of industrial technology courses)
- MANF 3800. Capital Equipment (3) (S) (P: ACCT 2401; EHST 3292)
- MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)
- MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
- Choose 3 s.h. computer-related elective from:
- ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)
- ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS)

## SECTION 7: DEGREES

ASIP 2212, 2213. Basic Programming for Business Applications (3,0) (F,S) (P: ASIP 2112 or equivalent)

DSCI 2223. Introduction to Computers (3) (F,S,SS)

ELEC 4050, 4051. Microprocessor: Systems and Applications (3,0) (F) (P: ELEC 3150, 3151)

ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S,SS)

### 4. Electives to complete requirements for graduation.

#### BS in Electronics

Minimum degree requirement is **126 s.h.** credit as follows:

### 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH

1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)

PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)

PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)

### 2. Core ..... 26 s.h.

ELEC 3154, 3155. Digital Communication Systems (3,0) (F,S) (P: ELEC 3058 or ELEC 2150, 2151, 3150, 3151)

ELEC 3158, 3159. Computer Network Technology (3,0) (S) (P: ELEC 3154, 3155)

ELEC 3300. Information Technology Project Management (3) (S) (P: ENGL 1200; ITEC 2000 or DSCI 2223)

ELET 2730. Control Design (3) (S) (P: ELET 2720 or ITEC 2000 or DSCI 2223)

ELET 3000. Introduction to Telecommunications (3) (F) (P: MATH 1074 or higher)

ELET 3510. Network Environment I (4) (F) (P: ELET 3020 or 2720 or ELEC 3058)

ELET 3530. Network Environment II (4) (S) (P: ELET 3020 or 2720 or ELEC 3058)

ELET 4040. Communication Security (3) (F) (P: ELET 3510, 3530)

### 3. Concentration area (Choose one.) ..... 22 s.h.

#### Computer Networking:

ELEC 2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S,SS) (P: MATH 1065 or 1066 or 1085 or 2119)

ELEC 2150, 2151. Circuit Analysis (3,0) (F,S) (P: ELEC 2054, 2055; MATH 1074 or 1075 or 1085 or 2119 or 2121)

ELEC 3250, 3251. Internetwork Routing Technology (3,0) (F) (P: ELEC 3158, 3159; C: ELEC 4150, 4151)

ELEC 4150, 4151. Switching Network Technology (3,0) (F) (P: ELEC 3158, 3159; C: ELEC 3250, 3251)

ELEC 4250, 4251. Enterprise Network Technology (3,0) (S) (P: ELEC 3251, 4150, 4151; C: ELEC 4590, 4591)

ELEC 4590, 4591. Electronic System Design (3,0) (S) (P: ELEC 3250, 4150; C: ELEC 4250)

ELET 2720. Digital Circuits (4) (F,S) (P: ELEC 2054, 2055)

Required Attempts for Industry Certification (note: passing score not required)

Microsoft MCP

And

The following 3 Cisco CCNP Areas

Foundations (Test 64-509) (Covers all 3 areas)

Or

Routing (Test 64-503)

Switching (Test 64-504)

Remote Access (Test 64-505)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**Information Technology:**

ELEC 3058, 3059. Electronic Communication Systems (30) (F,S) (P: MATH 1065 or higher)  
 ELEC 3900, 3901. Web Services Management (30) (F) (P: ELET 3510, 3530)  
 ELEC 4010, 4011. User Application Management and Emerging Technologies (30) (F) (P: ELET 3510, 3530)  
 ELEC 4600. Enterprise Information Technology Management (3) (S) (P: ELET 4050)  
 ELET 4050. Integrated Network Services (4) (F) (P: ELET 2730, 3510, 3530)  
 ELET 4060. Regulations and Policies (3) (S) (P: ELET 3000)  
 IDIS 3790. Technical Presentations (3) (F,S)  
 Required Attempts for Industry Certification (note: passing score not required)  
     Cisco CCNA (Test 640-507)  
     And  
     Microsoft MCP

**4. Cognates..... 24 s.h.**

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)  
 FINA 2244. Legal Environment of Business (3) (F,S,SS)  
 ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S,SS) or equivalent  
 MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065)  
 MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)  
 ITEC 3290. Technical Writing (3) (VI) (F,S,SS) (P: ENGL 1200)  
 Choose 4 s.h. CHEM electives, excluding CHEM 0150  
 Choose 3 s.h. from:  
     ITEC 4293. Industrial Supervision (3) (VI) (F,S) (P: Senior standing; completion of 20 s.h. of industrial technology courses)  
     MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)

**5. Electives to complete requirements for graduation.****BS in Industrial Distribution**

Minimum degree requirement is **126 s.h.** credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

CHEM 1020. General Descriptive Chemistry (4) (F,S) (GE:SC)  
 COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)  
 PHYS 1250. General Physics (3) (F,S,SS) (GE:SC) (P: MATH 1065 or 1066)  
 PHYS 1251. General Physics Laboratory (1) (F,S,SS) (GE:SC) (C: PHYS 1250 or 2350)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)

**2. Core ..... 48 s.h.**

BVTE 3302. Distribution Technology III: Selling (3) (F,S) or MKTG 4352. Selling and Sales Management (3) (F,S) (P: MKTG 3832)  
 DESN 2034, 2035. Engineering Graphics I (30) (F,S,SS) (P: Computer-related elective)  
 ELEC 2054, 2055. Electricity/Electronics Fundamentals (30) (F,S,SS) (P: MATH 1065 or 1066 or 1085 or 2119)  
 EHST 3292. Industrial Safety (3) (F,S,SS) (P: Junior standing; completion of 12 s.h. of industrial technology courses)  
 IDIS 2770. The Industrial Distributor: Purpose and Functions (3) (F) (P: Technology major or minor)  
 IDIS 2771. Intro to Logistics (3) (F) (S) (P: IDIS 2770)  
 IDIS 3780. Industrial Warehousing (3) (S)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

IDIS 3790. Technical Presentations for Industry (3) (FS) (P: ITEC 3290, 3291)  
IDIS 3795. Distributor Sales (3) (F) (P: IDIS 2770, 2771)  
ITEC 2010. Introduction to Industry and Technology (3) (F,SS)  
ITEC 2020. Materials Technology (3) (WI\*) (F,SS)  
ITEC 2090. Energy Processing and Transactional Power Systems (3) (F,SS)  
ITEC 3100. Internship in Industrial Technology (3) (F,SS) (P: Consent of instructor; at least 1 semester as a full-time ECU student)  
ITEC 3290. Technical Writing (3) (WI) (F,SS) (P: ENGL 1200)  
MANF 3020. Manufacturing Processes (3) (WI\*) (F,SS) (P: ITEC 2090; MANF 2076, 2077)  
Choose one 3 s.h. technical elective approved by adviser

### 3. Cognates..... 24 s.h.

ACCT 2401. Financial Accounting (3) (F,SS) (P: MATH 1065 or 1066)  
ACCT 2521. Managerial Accounting (3) (F,SS) (P: DSCI 2223)  
FINA 2244. Legal Environment of Business (3) (F,SS)  
MATH 2228. Elementary Statistical Methods I (3) (F,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,SS) (P: MATH 1065 or 1066 or equivalent)  
MKTG 3832. Marketing Management (3) (F,SS) (P: ECON 2113)  
Choose 3 s.h. computer-related elective from:  
DSCI 2223. Introduction to Computers (3) (F,SS)  
ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,SS)

### 4. Electives to complete requirements for graduation ..... 12 s.h.

## BS in Manufacturing

Minimum degree requirement is **126 s.h.** credit as follows:

### 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

COMM 2410. Public Speaking (3) (F,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,SS) (GE:FA)  
ECON 2113. Principles of Microeconomics (3) (F,SS) (GE:SO)  
MATH 1065. College Algebra (3) (F,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)  
PHYS 1250, 1260. General Physics (3,3) (F,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)  
PHYS 1251, 1261. General Physics Laboratory (11) (F,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)  
PSYC 1000. Introductory Psychology (3) (F,SS) (GE:SO)  
PSYC 3241. Personnel and Industrial Psychology (3) (F,SS) (GE:SO)

### 2. Core. .... 48 s.h.

DESN 2034, 2035. Engineering Graphics I (30) (F,SS) (P: Computer-related elective)  
ELEC 2054, 2055. Electricity/Electronics Fundamentals (30) (F,SS) (P: MATH 1065 or 1066 or 1085 or 2119)  
EHST 3292. Industrial Safety (3) (F,SS) (P: Junior standing; completion of 12 s.h. of industrial technology courses)  
ITEC 2010. Introduction to Industry and Technology (3) (F,SS)  
ITEC 2020. Materials Technology (3) (WI\*) (F,SS)  
ITEC 2090. Energy Processing and Transactional Power Systems (3) (F,SS)  
ITEC 3290. Technical Writing (3) (WI) (F,SS) (P: ENGL 1200)  
ITEC 4300. Quality Assurance Concepts (3) (F,SS) (P: 18 s.h. of technology core courses)  
MANF 2076, 2077. Non-Polymeric Materials (30) (F,S) (P: ITEC 2000, 2001, 2020; DESN 2034, 2035)  
MANF 3020. Manufacturing Processes (3) (WI\*) (F,SS) (P: ITEC 2090; MANF 2076, 2077)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

MANF 3300. Plant Layout and Materials Handling (3) (S) (P: MANF 3020)

MANF 3500. Automation Systems (3) (F) (P: ELEC 2054; MANF 3020)

MANF 4020, 4021. Process System Design (30) (F) (P: EHST 3292, 4300; MANF 3300, 3500; 3 s.h. management/human relations elective; consent of instructor)

MANF 4023. Process System Application (3) (FS) (P: MANF 4020, 4021; consent of instructor)

MANF 4200. Work Methods Analysis (3) (S) (P: MANF 3300)

Choose 3 s.h. of industrial technology electives

### 3. Cognates..... 24 s.h.

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)

FINA 2244. Legal Environment of Business (3) (F,S,SS)

MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065)

MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

Choose 4 s.h. CHEM electives, excluding CHEM 0150

Choose 6 s.h. from:

ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)

ITEC 4293. Industrial Supervision (3) (VI) (FS) (P: Senior standing; completion of 20 s.h. of industrial technology courses)

MANF 3800. Capital Equipment (3) (S) (P: ACCT 2401; EHST 3292)

MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)

MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)

Choose 3 s.h. computer-related elective from:

ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS)

ASIP 2212, 2213. Basic Programming for Business Applications (30) (FS) (P: ASIP 2112 or equivalent)

DSCI 2223. Introduction to Computers (3) (F,S,SS)

ELEC 4050, 4051. Microprocessor: Systems and Applications (30) (F) (P: ELEC 3150, 3151)

ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S,SS)

### 4. Electives to complete requirements for graduation.

## BS in Industrial Technology

Student must have an associate degree from an approved technical program. Minimum degree requirement is **126 s.h.** credit as follows:

### 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)

PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)

PHYS 1251, 1261. General Physics Laboratory (11) (F,S,SS) (GE:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)

### 2. Core ..... 48 s.h.

Required industrial technology and technical transfer courses: Student must complete at ECU a minimum of 24 s.h. credit, 18 s.h. from 3000 level or above and 6 s.h. from 2000 level or above. Additional courses may be necessary to meet required prerequisites. Industrial technology courses completed at ECU and technical transfer courses must total 48 s.h. Courses needed to meet requirements may not include ITEC 3100, 4100 or any course that does not meet as a class.

## SECTION 7: DEGREES

### 3. Cognates..... 24 s.h.

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)

FINA 2244. Legal Environment of Business (3) (F,S,SS)

MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065)

MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)

Choose 4 s.h. CHEM elective, excluding CHEM 0150

Choose 3 s.h. computer-related electives from:

ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS)

ASIP 2212, 2213. Basic Programming for Business Applications (30) (F,S) (P: ASIP 2112 or equivalent)

DSCI 2223. Introduction to Computers (3) (F,S,SS)

ELEC 4050, 4051. Microprocessor: Systems and Applications (30) (F) (P: ELEC 3150, 3151)

ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S,SS)

Choose 6 s.h. from:

ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)

ITEC 4293. Industrial Supervision (3) (VI) (F,S) (P: Senior standing; completion of 20 s.h. of industrial technology courses)

MANF 3800. Capital Equipment (3) (S) (P: ACCT 2401; EHST 3292)

MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)

MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)

### 4. Electives to complete requirements for graduation.

#### Electronics Minor in Information Technology

The electronics minor in information technology requires **26 s.h.** of credit.

### Core courses ..... 26 s.h.

ELEC 3058, 3059. Electronic Communication Systems (30) (F,S) (P: MATH 1065 or higher)

ELEC 3154, 3155. Digital Communication Systems (30) (F,S) (P: ELEC 2150, 3150; or ELEC 3058)

ELEC 3158, 3159. Computer Networking Technology (30) (S,SS) (P: ELEC 3154, 3155)

ELEC 3900, 3901. Web Services Management (30) (F) (P: ELET 3510, 3530)

ELEC 4010, 4011. User Application Management and Emerging Technologies (30) (F) (P: ELET 3510, 3530)

ELET 3510. Network Environment I (4) (F) (P: ELET 3020 or 2720 or ELEC 3058)

ELET 4040. Communication Security (3) (S) (P: ELET 3510, 3530)

ELET 3530. Network Environment II (4) (S) (P: ELET 3020 or 2720 or ELEC 3058)

#### Industrial Technology Minor

The industrial technology minor requires **27 s.h.** credit as follows:

### 1. Core ..... 12 s.h.

EHST 3292. Industrial Safety (3) (F,S,SS) (P: Junior standing; completion of 12 s.h. of industrial technology courses)

ITEC 2020. Materials Technology (3) (VI\*) (F,S,SS)

ITEC 3290. Technical Writing (3) (VI) (F,S,SS) (P: ENGL 1200)

ITEC 4300. Quality Assurance Concepts (3) (F,S,SS) (P: 18 s.h. of technology core courses)

### 2. Concentration area (Choose one.) ..... 9 s.h.

#### Design:

DESN 2034, 2035. Engineering Graphics (30) (F,S,SS) (P: Computer-related elective)

DESN 3030, 3031. Architectural Drafting (30) (F,S,SS) (P: DESN 2034, 2035)

DESN 3032, 3033. Engineering Graphics II (30) (S) (P: DESN 2036, 2037)

#### Electricity:

ELEC 2054, 2055. Electricity/Electronics Fundamentals (30) (F,S,SS) (P: MATH 1065 or 1066 or 1085 or 2119)

ELEC 2150, 2151. Circuit Analysis (30) (F,S) (P: ELEC 2054, 2055; MATH 1074 or 1085 or 2119 or 2121; RC: ELEC 3150, 3151)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

ELEC 3150, 3151. Digital Systems (30) (FS) (P: ELEC 2054; RC: ELEC 2150, 2151)

### Manufacturing:

ITEC 2090. Energy Processing and Transactional Power Systems (3) (FS,SS)

MANF 2076, 2077. Non-Polymeric Materials (30) (FS) (P: ITEC 2000, 2001, 2020; DESN 2034, 2035)

MANF 3300. Plant Layout and Materials Handling (3) (S) (P: MANF 3020)

### Industrial Distribution:

BVTE 3302. Distribution Technology III: Selling (3) (FS)

IDIS 3770. The Industrial Distributor: Purpose and Functions (3) (F) (P: Technology major or minor)

MKTG 3832. Marketing Management (3) (FS,SS) (P: ECON 2113)

### 3. Additional technology courses ..... 6 s.h.

## DEPARTMENT OF PLANNING

Mulatu Wubneh, Chairperson, 139 Rawl Annex

### BS in Urban and Regional Planning

Students entering the Department of Planning are encouraged to declare their major as soon as possible in accordance with university requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

#### 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.). Students intending to major in planning should be cognizant of prerequisites for required courses in the planning curriculum and make such courses a part of their general education course work ..... 42 s.h.

#### 2. Core ..... 15 s.h.

PLAN 3021. Introduction to Planning Techniques (3) (F)

PLAN 3022. History and Theory of Planning (3) (VI\*) (F)

PLAN 3031. Quantitative Analysis in Planning (3) (S) (P: PLAN 3021 or consent of instructor)

PLAN 3032. Planning Legislation and Administration (3) (VI) (S)

PLAN 4099 Practicum in Planning (3) (VI) (P: PLAN 4046; PLAN majors only)

#### 3. Skills courses ..... 12 s.h.

COMM 2410. Public Speaking (3) (FS,SS) (GE:FA) or COMM 2420. Business and Professional Communication (3) (FS,SS) (GE:FA)

ENGL 3880. Writing for Business and Industry (3) (VI) (FS,SS) (P: ENGL 1200) or ITEC 3290. Technical Writing (3) (VI) (FS,SS) (P: ENGL 1200)

MATH 2228. Elementary Statistical Methods I (3) (FS,SS) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (FS,SS) (P: MATH 1065 or 1066 or equivalent) or GEOG 3400. Quantitative Techniques in Geography (3) (F) (P: GEOG 2400 or consent of instructor)

PLAN 3041. Computer Applications in Planning (3) (F) (P: ITEC 2000, 2001; or equivalent; PLAN 3021; or consent of instructor)

#### 4. Area of emphasis (In consultation with the planning adviser, choose one area from the following.) . 18 s.h.

##### Coastal Planning and Development:

PLAN 3010. Regional Planning (3) (FS,SS)

PLAN 3015. Planning for Circulation (3) (S)

\*PLAN 3018, 3028, 3038. Planning Internship (1,2,3) (FS,SS) (P: Completion of a minimum of 80 s.h. course work, including 4 of the 5 required core courses specified above; consent of a planning faculty member and the dept chair based on the student's submitting a written proposal indicating the applicability of the planning internship to his or her educational and professional objectives)

PLAN 3020. Environmental Planning (3) (F)

PLAN 3051. Introduction to GIS in Planning (3) (FS) (P: GEOG 3410 or consent of instructor)

PLAN 4015. Emergency Management Planning (3) (FS,SS)

PLAN 5025. Coastal Area Planning and Management (3) (P: Consent of instructor)



## SECTION 7: DEGREES

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PLAN 5045. Environmental Resources Planning and Management (3) (P: PLAN 3010 or equivalent or consent of instructor)

PLAN 5065. Land Use Planning (3)

\*PLAN 5121, 5131. Problems in Planning (2,3) (P: Consent of instructor)

PLAN 5985. Historic Preservation Planning (3)

\*May count a maximum of 3 s.h. from PLAN 3018, 3028, 3038, 5121, 5131 toward the degree.

### Urban and Regional Planning:

PLAN 3000. Urban Planning (3) (F,S,SS)

PLAN 3010. Regional Planning (3) (F,S,SS)

PLAN 3015. Planning for Circulation (3) (S)

\*PLAN 3018, 3028, 3038. Planning Internship (1,2,3) (F,S,SS) (P: Completion of a minimum of 80 s.h. course work, including 4 of the 5 required core courses specified above; consent of a planning faculty member and the dept chair based on the student's submitting a written proposal indicating the applicability of the planning internship to his or her educational and professional objectives)

PLAN 3051. Introduction to GIS in Planning (3) (FS) (P: GEOG 3410 or consent of instructor)

PLAN 4025. Housing and Neighborhood Planning (3) (F)

PLAN 4046. Planning and Design Studio (3) (FS) (P: PLAN 3041 or consent of instructor)

PLAN 5035. Community Planning for Health Facilities (3)

PLAN 5045. Environmental Resources Planning and Management (3) (P: PLAN 3010 or equivalent or consent of instructor)

PLAN 5065. Land Use Planning (3)

\*PLAN 5121, 5131. Problems in Planning (2,3) (P: Consent of instructor)

PLAN 5985. Historic Preservation Planning (3)

\*May count a maximum of 3 s.h. from PLAN 3018, 3028, 3038, 5121, 5131 toward the degree.

- 5. Minor or concentration area (In consultation with the planning adviser, choose a minor from another discipline or two concentration areas from below, with a minimum of 9 s.h. chosen from each of the two areas.) ..... 24 s.h.**

### Accounting and Public Finance:

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)

ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)

ECON 4214. Public Finance (3) (GE:SO) (P: ECON 2133, 3144)

POLS 3242. Municipal Policy and Administration (3)

POLS 3253. Government Fiscal Administration (3) (S) (RP: POLS 1010)

### Coastal Resources:

BIOL 3660. Introduction to Marine Biology (3) (F,S,SS) (P/C: BIOL 2250, 2251)

BIOL 3661. Introduction to Marine Biology Laboratory (1) (FS) (C: BIOL 3660)

GEOG 3002. Coastal Geography (3) (VI) (S) (P: GEOG 1200 or 3200 or consent of instructor)

GEOL 1550. Oceanography (4) (S) (GE:SC)

HIST 5520. Maritime History of the Western World Since 1815 (3)

SOCI 3410. Introduction to Maritime Sociology (3) (GE:SO) (P: ANTH 1000 or SOCI 2110)

### Community Health:

EHST 2110. Introduction to Environmental Health Science (3) (FS)

EHST 3600. Air Pollution (3) (F) (P: EHST 2110 or consent of instructor)

EHST 5800. Solid and Hazardous Waste Management (3) (P: CHEM 1160, 1161)

HLTH 3001. Principles of Community Health Education (2) (S)

HLTH 3030. Health Behavior (3) (VI) (S) (P: PSYC 1000)

HPRO 4300. Survey of the Allied Health Professions (2)

### Decision Science:

DSCI 2223. Introduction to Computers (3) (F,S,SS)

DSCI 3023. Management Science I (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (VI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

DSCI 3063. Management Information Systems I (3) (F,S,SS) (P: DSCI 2223)  
 DSCI 3123. Operations Management (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283; C: MGMT 3202)  
 DSCI 4103. Decision Support Systems (3) (F,S) (P: DSCI 3063)

**Economic Development:**

ECON 3144. Intermediate Microeconomics (3) (F,S) (GE:SO) (P: ECON 2113)  
 ECON 3244. Intermediate Macroeconomics (3) (F,S) (GE:SO) (P: ECON 2133)  
 ECON 3353. Economics of Underdeveloped Countries (3) (GE:SO) (P: ECON 2133)  
 ECON 4020. Industrial Organization (3) (WI) (S) (GE:SO) (P: ECON 3144)  
 ECON 4850. Resource Economics (3) (GE:SO) (P: ECON 2133, 3144)

**Environmental Resources:**

BIOL 1060. Environmental Biology (4) (F,S,SS) (GE:SC)  
 ECON 4850. Resource Economics (3) (GE:SO) (P: ECON 2133, 3144)  
 GEOG 2300. Geography of Environmental Resources (3) (F)  
 GEOL 1700. Environmental Geology (4) (F,S) (GE:SC)  
 PHYS 1050. Physics and the Environment (4) (F,S,SS) (GE:SC)  
 POLS 3256. Environmental Politics (3) (F)

**Historic Preservation and Design:**

AMID 2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (WI) (S)  
 AMID 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (WI) (F)  
 AMID 4750. Interior Design for Adaptive Reuse (3) (WI) (S) (P: AMID 3600, 3700)  
 CMGT 2660, 2661. Construction Techniques I (3,0) (F,S,SS)  
 HIST 3205. History of American Urban Life (3)  
 HIST 5920. Techniques of Museum and Historic Site Development (3)  
 HIST 5985. Historic Preservation Planning (3)

**International Development:**

ECON 3353. Economics of Underdeveloped Countries (3) (GE:SO) (P: ECON 2133)  
 ECON 4373. International Trade (3) (S) (GE:SO) (P: ECON 2133, 3144)  
 GEOG 2003. Economic Geography (3) (WI) (F,S) (GE:SO)  
 POLS 4360. Politics of Developing Areas (3) (GE:SO)

**Land Use and Real Estate:**

ANTH 4260. Cultural Ecology (3) (GE:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)  
 FINA 3554. Principles of Real Estate (3) (F,S) (P: ACCT 2401; ECON 2133)  
 FINA 4564. Real Estate Appraisal (3) (F) (P: FINA 3554)  
 POLS 3241. Urban Political Systems (2) (S)  
 SOCI 3225. Urban Sociology (3) (GE:SO) (P: SOCI 2110)

**Personnel Management and Administration:**

MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)  
 MGMT 4342. Organizational Change and Development (3) (F) (P: MGMT 3202)  
 MGMT 4402. Human Resource Management (3) (F,S) (P: MGMT 3202)  
 POLS 3242. Municipal Policy and Administration (3) (RP: POLS 3241)  
 POLS 3252. Public Administration (3) (F) (GE:SO)  
 POLS 3254. Governmental Personnel Administration (3) (RP: POLS 3252 or consent of instructor)

**Recreation:**

GEOG 2019. Geography of Recreation (3) (F) (GE:SO)  
 RCLS 2000. Introduction to Leisure Services (3) (F,S)  
 RCLS 2601. Leisure in Society (3) (GE:SO)  
 RCLS 3300. Outdoor Programming (3) (S) (P: Declared RCLS major or minor; RCLS 2000)

**Societal Issues and Policies:**

ANTH 2005. Environmental Anthropology (3) (S) (GE:SO)  
 SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)  
 SOCI 2111. Modern Social Problems (3) (F,S,SS) (GE:SO) (P: SOCI 2110)

SECTION 7: DEGREES

- SOCI 3225. Urban Sociology (3) (GE:SO) (P: SOCI 2110)
- SOCI 3289. Community Organization (3) (S) (GE:SO) (P: SOCI 2110)
- SOCI 4345. Racial and Cultural Minorities (3) (F) (GE:SO) (P: ANTH 1000 or SOCI 2110)
- SOCI 4347. Social Inequality (3) (S) (GE:SO) (P: SOCI 2110)

6. Electives to complete degree requirements for graduation.

NOTE: Excluding general education requirements, no one course may be used to fulfill two or more degree requirements.

Planning Minor

The planning minor offers two options: coastal planning and development, and urban and regional planning. Minor requires 24 s.h. of credit as follows:

- 1. Core ..... 15 s.h.
  - PLAN 3000. Urban Planning (3) (F,SS)
  - PLAN 3010. Regional Planning (3) (F,SS)
  - PLAN 3020. Environmental Planning (3) (F)
  - PLAN 3022. History and Theory of Planning (3) (WI\*) (F,S)
  - PLAN 3032. Planning Legislation and Administration (3) (WI) (F,S)
- 2. Option (Choose one.) ..... 9 s.h.
  - Coastal Planning and Development:
    - PLAN 3021. Introduction to Planning Techniques (3) (F)
    - PLAN 4015. Emergency Management Planning (3) (F,SS)
    - PLAN 4025. Housing and Neighborhood Planning (3) (F)
    - PLAN 5025. Coastal Area Planning and Management (3) (S,SS) (P: Consent of instructor)
    - PLAN 5035. Community Planning for Health Facilities (3)
    - PLAN 5045. Environmental Resources Planning and Management (3) (S) (P: PLAN 3010 or equivalent or consent of instructor)
    - PLAN 5065. Land Use Planning (3) (F)
    - PLAN 5985. Historic Preservation Planning (3)
  - Urban and Regional Planning:
    - PLAN 3015. Planning for Circulation (3) (S)
    - PLAN 3021. Introduction to Planning Techniques (3) (F)
    - PLAN 4025. Housing and Neighborhood Planning (3) (F)
    - PLAN 5025. Coastal Area Planning and Management (3) (P: Consent of instructor)
    - PLAN 5035. Community Planning for Health Facilities (3)
    - PLAN 5045. Environmental Resources Planning and Management (3) (P: PLAN 3010 or equivalent or consent of instructor)
    - PLAN 5065. Land Use Planning (3)
    - PLAN 5985. Historic Preservation Planning (3)

Bachelor’s and Accelerated MBA Program

Planning majors who are interested in careers in private or public sector management, may complete the BS in urban and regional planning, and if qualified, may complete the master of business administration in one additional year. (See Section 6, Undergraduate Studies, Bachelor’s and Accelerated MBA Program.)

DEPARTMENT OF AEROSPACE STUDIES (US AIR FORCE ROTC)

Lt. Col. Robert J. Bertino, Chairperson, 306 Wright Annex

Students may obtain consent of the chairperson of the Department of Aerospace Studies prior to enrolling in an aerospace studies course if prerequisites for the course have not been met.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

## Reserve Officer Training Programs

In 1948, the Board of Trustees of East Carolina University entered into an agreement with the Department of the Air Force to establish and maintain a US Air Force Reserve Officer Training Corps.

The Department of Aerospace Studies is an integral academic subdivision of East Carolina University and includes all US Air Force ROTC activities conducted at the institution as stipulated in the contract with the US Air Force. The purpose of the Department of Aerospace Studies is to prepare students, through a permanent program of instruction, to serve as commissioned officers in the US Air Force.

East Carolina University offers two- and four-year Air Force ROTC programs for men and women. Upon successful completion of either program and graduation from college, cadets will be commissioned second lieutenants in the US Air Force. Individuals with prior military service are encouraged to apply.

During the last two years of the program, qualified students receive \$1,500 per semester for tuition and \$225 per semester for books as well as a monthly stipend (summer session not included). Cadets in the two- and four-year programs are eligible for the college scholarship program, which provides full tuition, and most laboratory, textbooks, and incidental fees, plus a monthly stipend.

### Qualifications

A student must meet the following requirements before he or she can enroll in the Air Force ROTC:

#### Four-Year Program:

General Military Course (GMC): freshmen and sophomores.

1. Be enrolled as a full-time student at East Carolina University or be classified as a visiting student by the registrar.
2. Be a citizen of the United States.
3. Be at least fourteen years old.
4. Have no obvious disqualifying medical defects.
5. Inform the chairperson of the Department of Aerospace Studies if he or she is a former serviceman or servicewoman or has received previous military schooling (e.g., high school ROTC). The student may not be required to complete the entire general military course.
6. AFROTC physical fitness requirements must be met before attending field training.

#### Professional Officer Course (POC): juniors and seniors.

1. Complete the Air Force ROTC general military course during the freshman and sophomore years of college.
2. Take the Air Force Officer Qualification Test (AFOQT).
3. Meet the medical requirements for a commission.
4. Be selected upon the basis of all test scores and GPA by a selection board at ROTC headquarters, Maxwell Air Force Base, Alabama.
5. Successfully complete a four-week field training course at a US Air Force base (may be postponed under certain conditions).
6. Have approval from the chairperson of the Department of Aerospace Studies.
7. Be in good academic standing with the university.
8. Meet AFROTC physical fitness requirements.

#### Two-Year Program:

Professional Officer Course (POC): juniors, seniors, graduates, and transfers.

1. Apply, if possible, prior to December 15 of the sophomore year.
2. Have two academic years remaining, either at the graduate or undergraduate level or a combination of graduate and undergraduate work.
3. Inform the chairperson of the Department of Aerospace Studies of prior military service or prior military schooling (e.g., high school ROTC).
4. Take the Air Force Officer Qualification Test (AFOQT).

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

SECTION 7: DEGREES

- 5. Pass a US Air Force medical evaluation.
- 6. Meet AFROTC physical fitness requirements.
- 7. Successfully complete at a US Air Force base a five-week field training course designed to prepare students for entry into the two-year campus program.
- 8. Have approval from the chairperson of the Department of Aerospace Studies.
- 9. Be in good academic standing with the university.

How to Apply for AFROTC:

- 1. Students applying for the four-year program register for Air Force ROTC in the same manner and at the same time they register for other university courses.
- 2. Students interested in applying for the two-year program must contact the chairperson of the Department of Aerospace Studies. Application should be made prior to December 15. The student must have two academic years of study remaining after completion of the five-week field training course, either at the undergraduate or graduate level or a combination of the two.

AFROTC College Scholarship Program

The Department of Aerospace Studies offers college scholarship programs for qualified cadets enrolled in both the two-year and the four-year programs. These scholarships cover full tuition (including out-of-state) and most laboratory, incidental, and textbook fees. Cadets also receive a monthly stipend during the period of the scholarships. Applicants are selected on the basis of scores on a qualifying test, quality of their academic work, and rating by an interview. Many scholarships are available in majors identified as critical by the US Air Force (typically in computer science, mathematics, and physics). Students interested in these scholarships should contact the Department of Aerospace Studies, 307 Wright Annex, East Carolina University, Greenville, NC 27858-4353. High school students should contact their guidance counselor for information and application forms or apply directly to HQ AFROTC/RRUC, 551 East Maxwell Blvd., Maxwell AFB, AL 36112-6106. Applications should be made prior to December 1 of the high school senior year.

Academic Status of Courses in Aerospace Studies

*General Military Course (GMC).* This program is primarily for cadets enrolled in the four-year program. There is no military obligation to students enrolled in the GMC who are not on scholarship. It requires four semesters for completion, for which 8 s.h. of credit will be allowed. AERO credits may be applied toward other degree requirements in the following manner, provided individual certification requirements are met.

Students may substitute all AERO semester hours earned for free electives.

*Professional Officer Course (POC).* This program is primarily for cadets who have met all qualifications. It requires four semesters for completion, for which 16 s.h. are allowed. Credits earned in this portion of the AERO curriculum may be applied toward other degree requirements as follows:

- 1. Students may substitute all AERO credits earned for free electives.
- 2. After AERO credits have been substituted for a minimum of one-half of the total number of free electives available to a student, he or she may substitute remaining credits for specific courses in his or her field of study upon approval of his or her adviser.
- 3. AERO courses may help satisfy the full-time student status requirements of the Veterans Administration (VA) for GI Bill Educational Benefits.

Cognate Minor for Professional Officer Course

The cognate minor for professional officer course requires **28 s.h.** of credit as follows:

- 1. **Required 3000- and 4000-level AERO courses, professional officer course (not including laboratories) ..... 12 s.h.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

**2. Cognates (Choose a minimum of one from at least six of the following seven areas. The chairperson of the Department of Aerospace Studies may approve other courses from these areas.) ..... 16 s.h.**

- a. COMM 2410. Public Speaking (3) (F,S,SS) (GE:FA)  
COMM 2420. Business and Professional Communication (3) (F,S,SS) (GE:FA)
- b. CSCI 2600. Introduction to Digital Computation (3) (S) (P: MATH 1065 or 1066)  
DSCI 2223. Introduction to Computers (3) (F,S,SS)
- c. ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)
- d. ENGL 3810. Advanced Composition (3) (WI) (F,S,SS) (P: ENGL 1200)  
ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)  
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
- e. GEOG 3003. Political Geography (3) (WI) (S) (GE:SO)  
GEOG 3047. Western Europe (3) (S)
- f. HIST 3121. American Military History to 1900 (3) (GE:SO)  
HIST 3122. American Military History Since 1900 (3) (GE:SO)  
HIST 5470. History of Soviet Russia Since 1917 (3)
- g. POLS 3144. American Foreign Policy (3) (S) (RP: POLS 2020)  
POLS 3253. Government Fiscal Administration (3) (S) (RP: POLS 1010)  
POLS 3293. International Organizations (3)  
POLS 4380. Topics in International Politics (3) (F) (P: POLS 2020 or consent of instructor)

**Professional Officer Course (POC)**

Consent of department chair is a prerequisite for all courses in the POC numbered above 2999.

**DEPARTMENT OF MILITARY SCIENCE (US ARMY ROTC)**

*Lt. Col. George M. Jenkins, Chairperson, 343 Rawl Building*

**Army Reserve Officer Training Corps Program**

The Dept of Military Science is an integral academic subdivision of the School of Industry and Technology and offers unique instruction designed to apply the principles of leadership. Students are challenged early in their ROTC training to develop sound judgment, accept responsibility, learn basic managerial principles, and gain self-confidence.

The mission of the Department of Military Science is to train college men and women to become commissioned officers in the US Army, Army National Guard, and/or US Army Reserve. The US Army ROTC program consists of a two-year basic course (freshman and sophomore level) and a two-year advanced course (junior and senior level), which includes a five-week summer camp prior to the final year. Service veterans are eligible for placement into the advanced course if they are classified as academic juniors. The basic course has no military obligation or commitment.

Upon successful completion of the ROTC program and graduation from college, the cadet will be commissioned as a second lieutenant and may serve on active duty or in either the US Army National Guard or the US Army Reserve. The university recognizes outstanding US Army ROTC students as Distinguished Military Graduates.

Required uniforms and military science texts are provided by the federal government at no cost to the student. Elective credit is received for all courses. During the last two academic years of the program, cadets will receive \$350-400 per month.

**Eligibility**

All university students may enroll in the military science basic course without an obligation to the US Army. To be eligible for participation in the advanced course, an applicant must be enrolled as a full-time student at East Carolina University; be in good academic standing with the university; be physically qualified; must have satisfactorily completed the basic course or an equivalent; and must have a minimum of two years remaining as a full-time student at either the undergraduate or graduate level. In addition, applicants must be commissioned by their thirtieth birthday.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

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### How to Apply for Army ROTC

Students applying for the four-year program must register for US Army ROTC in the same manner and at the same time as they register for other university courses. The courses are listed under Military Science (MLSC) in the course listing section of this catalog.

Students interested in applying for the two-year program must contact a US Army ROTC representative in 346 Rawl. The student must have at least two academic years of study remaining at the undergraduate or graduate level. Exceptions may be made.

### Army ROTC College Scholarship Program

The Department of Military Science offers three- and two-year college scholarships for students enrolled at East Carolina University. Scholarships are offered in the amount of \$16,000 per year and include laboratory expenses, incidental fees, and \$300 per semester for books and supplies. Students also receive ten payments of \$250-400 a month in nontaxable pay during each annual period of the scholarships. To apply for a three- or two-year US Army ROTC scholarship, a student should contact the ECU US Army ROTC enrollment officer in 344 Rawl; telephone 252-328-4180. Four-year scholarships are available to incoming freshmen who apply during high school and who meet requirements.

### Simultaneous Membership Program (SMP)

SMP allows students to be members of the US Army National Guard or the US Army Reserve and US Army ROTC at the same time. Students enlisted in the US Army National Guard and US Army Reserve may take advantage of this program and enroll directly into the advanced course. Advanced ROTC SMP students are paid approximately \$180 per month for one weekend of Army Reserve or National Guard training, plus up to \$4,000 a year subsistence allowance from the ROTC advanced course. In addition, they receive \$1000 per year tuition assistance from the North Carolina National Guard. They serve as officer trainees in their guard or reserve units under the close supervision of a commissioned officer.

### Professional Military Education (PME) Requirements

The professional education component, required for a commission, comprises a baccalaureate degree and at least one undergraduate course from each of the three designated fields of study listed below.

#### Communication Skills:

- ASIP 3220. Business Communication (3) (F,S) (P: ENGL1200)
- COMM 2410. Public Speaking (3) (F,S,SS)
- COMM 2420. Business and Professional Communication (3) (F,S,SS)
- ENGL 1200. Composition (3) (F,S,SS) (P: ENGL 1100)
- ENGL 3810. Advanced Composition (3) (F,S,SS)
- ENGL 3820. Scientific Writing (3) (F,S,SS)
- ENGL 3890. Critical Writing (3) (S-OY)
- ENGL 3895. Topics in Technical and Professional Writing (3) (S) (P: Consent of instructor)
- ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)

#### Computer Literacy:

- ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS)
- ASIP 2500, 2501. Electronic Information Processing II (3,0) (F,S) (P: ASIP 1500 or consent of instructor)
- CSCI 2510. Introduction to Computer Science I (3) (F,S,SS)
- CSCI 2600. Introduction to Digital Computation (3) (S) (P: MATH 1065 or 1066)
- DSCI 2223. Introduction to Computers (3) (F,S,SS)
- DSCI 3063. Management Information Systems I (3) (F,S,SS) (P: DSCI 2223)

#### Military History:

- HIST 3121. American Military History to 1900 (3) (F)
- HIST 3122. American Military History Since 1900 (3) (S)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

### Minor in Military Science

The minor in military science requires **28 s.h.** of credit as follows:

1. **Required courses in military science at the 3000 and 4000 levels, advanced courses ..... 16 s.h.**
2. **Cognates (Choose from the areas listed below. The chairperson of the Department of Military Science may approve other courses for the areas.) ..... 12 s.h.**

**Choose one from each of the following areas:**

**Human Behavior:**

ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (GE:SO)  
 PHIL 1175. Introduction to Ethics (3) (WI\*) (F,S,SS) (GE:HU)  
 PSYC 3221. Social Psychology (3) (F,S,SS) (GE:SO)  
 PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)  
 SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

**Military History:**

HIST 3122. American Military History Since 1900 (3) (GE:SO)

**Written Communication Skills:**

ENGL 3810. Advanced Composition (3) (WI) (F,S,SS) (P: ENGL 1200)  
 ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)  
 ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)

**Choose one from either area:**

**Management:**

ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066)  
 DSCI 3023. Management Science I (3) (F,S,SS) (P: Minimum grade of C in MATH 1066, 2283)  
 ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)  
 MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)  
 MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)

**National Security Studies:**

POLS 2020. Introduction to International Relations (3) (F,S,SS) (GE:SO)  
 POLS 3253. Government Fiscal Administration (3) (S) (RP: POLS 1010)  
 POLS 4380. Topics in International Politics (3) (F) (P: POLS 2020 or consent of instructor)



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## SCHOOL OF MUSIC

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*C. Brad Foley, Dean, A-118 A. J. Fletcher Music Center*

*Robert L. Hause, Assistant Dean for Undergraduate Studies, A-119 A. J. Fletcher Music Center*

*Rodney Schmidt, Assistant Dean for Graduate Studies and Technology, A-102 A. J. Fletcher Music Center*

*Jeffery W. Jarvis, Chairperson, Instrumental Music, A-314 A. J. Fletcher Music Center*

*Charles F. Bath, Chairperson, Keyboard Music, A-369 A. J. Fletcher Music Center*

*Michelle P. Hairston, Chairperson, Music Education, A-213 A. J. Fletcher Music Center*

*Thomas J. Huener, Chairperson, Theory, Composition, and Musicology, A-301 A. J. Fletcher Music Center*

*John B. O'Brien, Chairperson, Vocal Studies, A-268 A. J. Fletcher Music Center*

### **Admission**

Admission to the university does not guarantee admission to the School of Music. Prospective music majors and minors must be admitted both to the university and to the School of Music. Admission to the School of Music is determined by an acceptable level of performance as demonstrated through a personal audition or a recent taped recording. A satisfactory audition is required of all entering freshmen, transfer students, and students being readmitted. Acceptance of the audition is based upon an affirmative vote by a majority of the auditioning committee, which comprises a minimum of three faculty members. Admission is limited in some applied disciplines in the School of Music. For detailed information, students should contact the assistant dean for undergraduate studies of the School of Music.

### **Performance Medium**

Each music major or minor is required to have a major performance medium. The medium may be chosen in any of the following areas: piano, organ, voice, strings, woodwind, brass, or percussion. Private instruction in the chosen medium is required throughout the four-year program of study. Detailed information regarding auditions and audition dates will be supplied upon request by the assistant dean for undergraduate studies of the School of Music. Basic entrance requirements in the major performance media are as follows:

**Voice:** An acceptable voice and the ability to sing with accurate pitch and rhythm.

**Piano:** The ability to perform acceptably major and minor scales and arpeggios and compositions representative of piano literature from three of the four style periods (baroque, classic, romantic, contemporary).

**Other Instruments:** A fundamental knowledge of the instrument, including an acceptable method of producing tone; awareness of intonation problems; accurate rhythmic feeling; some knowledge of solo literature available for the instrument; the ability to play major, minor, and chromatic scales with the proper fingering.

A student whose performance proficiency level is slightly below the minimum for entering freshmen may be admitted on probation in a major applied area. The student may take freshman music courses for credit and preparatory work in a major applied area for no credit for a maximum of one semester, as determined by the faculty in the major area.

### **Curricula**

#### ***Placement Examinations***

Transfer students are given placement tests in basic music knowledge during the summer orientation to determine their appropriate levels of study in music theory and history courses.

Transfer students are given jury examinations in their major applied areas at the end of the first semester to establish their appropriate proficiency levels.

#### ***General Recital Attendance Requirement for All Majors***

Each music major is required to attend at least 75 percent of the total number of general recitals offered during his or her enrollment at East Carolina University. (Music education students will be exempted during the student teaching semester.)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

Piano Proficiency for All Majors

Music majors are required to complete satisfactorily the group piano sequence indicated in their concentrations or to demonstrate a comparable level of accomplishment.

Students should enroll in group piano each semester until the sequence is completed. Any student interrupting the sequence (either by dropping or by not enrolling) must retake the placement audition before enrolling in any subsequent piano course.

Applied and Core Music Regulations for Music Majors and Minors

A minimum grade of C in applied lessons on a student's major instrument will qualify as credit in the applied major guideline. The first grade lower than C must be raised the following semester according to the procedures given in the undergraduate catalog. A student will be disqualified as a music major or music minor the second time that he or she receives a grade lower than C in applied lessons on the major instrument.

A minimum grade of C in core MUSC courses (1156, 1166, 1176, 1186, 1406, 2156, 2166, 2176, 2186, 2406, 2416, 3156, 3166, 3176) is required to receive credit toward the music major.

To be admitted to upper division courses in all degree programs, students must pass a qualifying exam as specified in the *School of Music Handbook*.

BACHELOR OF MUSIC DEGREES

Majors for the bachelor of music degree are offered in music education, music therapy, performance (with concentrations in jazz studies, music theatre, organ, piano, piano pedagogy, sacred music, strings, voice, and winds or percussion), and theory-composition with concentrations in theory, traditional media composition, and electronic media composition. For admission to the upper level of the degree programs, a student must have a minimum cumulative 2.0 GPA and a minimum cumulative 2.5 GPA in music courses at the end of the sophomore year.

BM in Music Education

See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **128 s.h.** as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.  
MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test)  
PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060) or PSYC 3240. Psychology of Adolescence (3) (F,S,SS) (GE:SO)
- 2. Common core ..... 64 s.h.  
Core MUSC courses (30 s.h.):  
MUSC 1156 (F), 1166 (S). Basic Musicianship (4,4)  
MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1)  
MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (2,2,2) (WI, WI, WI)  
MUSC 2156 (F), 2166 (S). Basic Musicianship (3,3) (P: MUSC 1166)  
MUSC 2176 (F), 2186 (S). Basic Musicianship Laboratory (1,1) (P: MUSC 1186)  
MUSC 3156 (F), 3166 (S). Conducting (2,2) (P: MUSC 2166)  
MUSC 3176. Orchestration (2) (FS) (P: MUSC 2166)  
Performance groups (7 s.h.):  
Minimum of 5 semesters large ensemble  
Minimum of 2 semesters small ensemble  
Wind and percussion majors must include 2 semesters of MUSC 1705. Marching Band (1) (F)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

Keyboard and voice majors must include 2 semesters of MUSC 3287. Choral Laboratory (1) (FS) (P: Completion of or enrollment in MUSC 3156 or 3217 or 3237 or consent of instructor) as a small ensemble

**Music education** (\*with at least a C in each to be admitted to internship) (7 s.h.):

\*MUSC 2123. Early Experiences for the Prospective Teacher (1) (S) (P: Completion of 18 s.h. in theory composition, and musicology or consent of chairperson of music education)

\*MUSC 3217. Beginning Instruction in Instrumental Music (2) (F) (P: Completion of lower-level competencies in music education; MUSC 2123; acceptance into music education degree program) or MUSC 3237. Beginning Instruction in Vocal-General Music Education (2) (F) (P: Completion of lower-level competencies in music education; MUSC 2123; acceptance into music education degree program)

\*MUSC 3227. Rehearsal Techniques in Secondary Instrumental Music Education (2) (S) (P: MUSC 3217) or MUSC 3247. Rehearsal Techniques in Secondary Vocal-Choral Music Education (2) (S) (P: MUSC 3237)

\*MUSC 4323. Materials and Methods of Instrumental Music Teaching (2) (F) (P: MUSC 3227) or MUSC 4333. Materials and Methods of Vocal-General Music Teaching (2) (F) (P: MUSC 3247)

### **Professional studies (20 s.h.):**

EDUC 3200. Introduction to American Education (3) (WI\*) (FS,SS) (P: Early experience course or consent of instructor)

EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (FS) (P: Admission to upper division) or PSYC 4305. Educational Psychology (3) (FS,SS) (P: PSYC 2201 or 2240 or 3206 or 3240 or equivalent)

MUSC 4324. Internship in Music Education (10) (S) (P: Admission to upper division; MUSC 4323 or 4333; C: MUSC 4325)

MUSC 4325. Internship Seminar: Issues in Music Education (0) (S) (P: Admission to upper division; C: MUSC 4324)

READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (FS,SS)

SPED 4010. Exceptional Students in the Regular Classroom (2) (FS) (RP: SPED 2000)

### **3. Applied music (Keyboard, String, Voice, Wind or Percussion) ..... 22 s.h.**

#### **Applied major (14 s.h.):**

Present a half senior recital

A student who is exempt from any of the applied minor courses specified must take other applied minor courses to complete the total required hours.

#### **Applied minor (8 s.h.):**

##### **Major Instrument: Keyboard**

MUSC 1061. Lower-Level Applied Music (1) (twice)

MUSC 1205 (F), 1215 (S). Beginning Voice Group (11)

Choose one from MUSC 1405, 1415, 1425. Woodwind Group (11,1) (FS)

MUSC 1435. Brass Group (1) (FS)

MUSC 1445. Percussion Group (1) (FS)

Choose one from MUSC 2305, 2315. String Class (11) (FS)

##### **Major Instrument: Strings**

MUSC 1105, 1115. Beginning Group Piano (11) (FS)

MUSC 1205. Beginning Voice Group (1) (F)

Choose one from MUSC 1405, 1415, 1425. Woodwind Group (11,1) (FS)

MUSC 1435. Brass Group (1) (FS)

MUSC 1445. Percussion Group (1) (FS)

MUSC 3697. Introduction to String Teaching (2) (P: MUSC 2115; 2305 or 2315)

##### **Major Instrument: Voice**

MUSC 1105, 1115. Beginning Group Piano (11) (FS)

Choose one from MUSC 1405, 1415, 1425. Woodwind Group (11,1) (FS)

MUSC 1435. Brass Group (1) (FS)

MUSC 1445. Percussion Group (1) (FS)

MUSC 2105, 2115. Intermediate Group Piano (11) (FS) (P: MUSC 1115)

Choose one from MUSC 2305, 2315. String Class (11) (FS)

##### **Major Instrument: Wind or Percussion**

MUSC 1105, 1115. Beginning Group Piano (11) (FS)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

MUSC 1205. Beginning Voice Group (1) (F)  
 Choose two from MUSC 1405, 1415, 1425. Woodwind Group (1,1) (FS)  
 MUSC 1435. Brass Group (1) (FS)  
 MUSC 1445. Percussion Group (1) (FS)  
 Choose one from MUSC 2305, 2315. String Class (1) (FS)

### BM in Music Therapy

Minimum degree requirement is **128 s.h.** as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (GE:SC)  
 BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (GE:SC) (P: Science course)

**Recommended:**

ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (GE:SO)  
 PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
 PSYC 2201. Psychology of Childhood (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060 or equivalent) or PSYC 3206.  
     Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060) or PSYC 3240. Psychology of  
     Adolescence (3) (F,S,SS) (GE:SO)  
 SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

**2. Common Core ..... 64 s.h.**

**Core MUSC courses (30 s.h.):**

MUSC 1156 (F), 1166 (S). Basic Musicianship (4,4)  
 MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1)  
 MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (2,2,2) (WI, WI, WI)  
 MUSC 2156 (F), 2166 (S). Basic Musicianship (3,3) (P: MUSC 1166)  
 MUSC 2176 (F), 2186 (S). Basic Musicianship Laboratory (1,1) (P: MUSC 1186)  
 MUSC 3156 (F), 3166 (S). Conducting (2,2) (P: MUSC 2166)  
 MUSC 3176. Orchestration (2) (FS) (P: MUSC 2166)

**Music therapy (21 s.h.):**

MUSC 2277. Orientation to Therapy (1) (S)  
 MUSC 2287. Orientation to Therapy Practicum (1) (S)  
 MUSC 3257. Music Therapy I: Introduction to Music in Therapy (3) (S) (C: MUSC 3357)  
 MUSC 3267. Music Therapy II: The Influence of Music on Behavior (3) (S) (P: MUSC 3257; C: MUSC 3367)  
 MUSC 3357. Music Therapy Practicum I (1) (F) (C: MUSC 3257)  
 MUSC 3367. Music Therapy Practicum II (1) (S) (C: MUSC 3267)  
 MUSC 4277. Music for Group Activities (2) (F) (C: MUSC 4287)  
 MUSC 4287. Music for Group Activities Practicum (1) (F) (C: MUSC 4277)  
 MUSC 5257, 5267. Psychological Foundations of Music (3,3)  
 MUSC 5287. Psychological Foundations of Music Practicum (1)  
 MUSC 5297. Music Therapy Practicum III (1)

**Professional studies (6 s.h.):**

PSYC 4375. Abnormal Psychology (3) (F,S,SS) (P: PSYC 1000 or 1060)  
 PSYC 5380. Psychology of the Exceptional Child (3) (P: PSYC 1000 or 1060) or SPED 5101. Introduction to  
     Exceptional Children (3)

**Performance groups (7 s.h.):**

Minimum of 5 semesters large ensemble and 2 semesters small ensemble  
 (The music therapy program is affiliated with the American Music Therapy Association and leads to the designation  
     of registered music therapist [RMT].)

## SECTION 7: DEGREES

### 3. Applied music (Guitar, Keyboard, Percussion, Strings or Wind, Voice) ..... 22 s.h.

#### Applied major (14 s.h.):

Present a half senior recital

A student who is exempt from any of the applied minor courses specified must take other applied minor courses to complete the total required hours.

#### Applied minor (8 s.h.):

##### Major Instrument: Guitar

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)

MUSC 1205 (F), 1215 (S). Beginning Voice Group (1,1)

MUSC 1445. Percussion Group (1) (F,S)

MUSC 2105, 2115. Intermediate Group Piano (1,1) (F,S) (P: MUSC 1115)

Choose 1 s.h. minor applied elective

##### Major Instrument: Keyboard

MUSC 1205 (F), 1215 (S). Beginning Voice Group (1,1)

MUSC 1445. Percussion Group (1) (F,S)

MUSC 3105 (F), 3115 (S). Functional Guitar Class (1,1) (P: MUSC 2115 or consent of instructor)

Choose 3 s.h. minor applied electives

##### Major Instrument: Percussion

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)

MUSC 1205 (F), 1215 (S). Beginning Voice Group (1,1)

MUSC 2105, 2115. Intermediate Group Piano (1,1) (F,S) (P: MUSC 1115)

MUSC 3105. Functional Guitar Class (1) (F) (P: MUSC 2115 or consent of instructor)

Choose 1 s.h. minor applied elective

##### Major Instrument: Strings or Wind

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)

MUSC 1205 (F), 1215 (S). Beginning Voice Group (1,1)

MUSC 1445. Percussion Group (1) (F,S)

MUSC 2105, 2115. Intermediate Group Piano (1,1) (F,S) (P: MUSC 1115)

MUSC 3105. Functional Guitar Class (1) (F) (P: MUSC 2115 or consent of instructor)

##### Major Instrument: Voice

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)

MUSC 1445. Percussion Group (1) (F,S)

MUSC 2105, 2115. Intermediate Group Piano (1,1) (F,S) (P: MUSC 1115)

MUSC 3105 (F), 3115 (S). Functional Guitar Class (1,1) (P: MUSC 2115 or consent of instructor)

Choose 1 s.h. minor applied elective

### BM in Performance

Minimum degree requirement is **128 s.h.** as follows:

### 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

#### Music Theatre:

THEA 1010. Introduction to Acting I (3) (F,S,SS) (GE:FA)

THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)

#### Sacred Music:

*Recommended:*

PHIL 1695. Introduction to the Old Testament (3) (F,SS) (GE:HU)

PHIL 1696. Introduction to the New Testament (3) (S,SS) (GE:HU)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

**Voice Performance:***Recommended:*

DNCE 1011. Ballet I (3) (F) (GE:FA) or DNCE 1012. Contemporary Dance I (3) (F) (GE:FA) or DNCE 1013. Jazz Dance I (3) (F) (GE:FA)  
 THEA 1010. Introduction to Acting I (3) (F,S,SS) (GE:FA)

**2. Common core (Core MUSC courses) ..... 30 s.h.**

MUSC 1156 (F), 1166 (S). Basic Musicianship (4,4)  
 MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (11)  
 MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (2,2,2) (WI, WI, WI)  
 MUSC 2156 (F), 2166 (S). Basic Musicianship (3,3) (P: MUSC 1166)  
 MUSC 2176 (F), 2186 (S). Basic Musicianship Laboratory (11) (P: MUSC 1186)  
 MUSC 3156 (F), 3166 (S). Conducting (2,2) (P: MUSC 2166)  
 MUSC 3176. Orchestration (2) (FS) (P: MUSC 2166)

**3. Concentration area (Choose one.) ..... 56 s.h.**

A student who is exempt from any of the applied minor courses specified must take other applied minor courses to complete the total required hours.

**Jazz Studies, Instrumental:*****Applied major (20 s.h.):***

8 s.h. applied major (traditional)  
 12 s.h. applied jazz major  
 Present a half senior recital

***Applied minor (4 s.h.):***

MUSC 1105, 1115. Beginning Group Piano (11) (FS) (P for 1115: MUSC 1105)  
 MUSC 2105, 2115. Intermediate Group Piano (11) (FS) (P for 2105: MUSC 1115; P for 2115: MUSC 2105)

**Jazz Studies (17 s.h.):**

MUSC 2095, 2096. Jazz Keyboard Harmony (2,2) (FS) (P for 2095: MUSC 2115, 2166, 2186; or consent of instructor; P for 2096: MUSC 2095)  
 MUSC 2195. Jazz Improvisation (2) (F) (P: MUSC 1115, 2166, 2186; or consent of instructor)  
 MUSC 2196. Advanced Jazz Improvisation (2) (S) (P: MUSC 2195 or consent of instructor)  
 MUSC 2258. History of Jazz Music (2) (F,S,SS)  
 MUSC 2295, 2296. Jazz Theory and Arranging (2,2) (FS) (P for 2295: MUSC 2166, 2186; or consent of instructor; P for 2296: MUSC 2295)  
 MUSC 4195. Jazz Seminar (3) (F,S,SS) (P: MUSC 1406, 2258, 2406, 2416; passing score on the jazz studies upper division exam)

***Pedagogy ( 5 s.h.):***

MUSC 2280. Introduction to Music Technology (2) (F) (P: MUSC major or consent of instructor)  
 MUSC 4657. Directed Study in Instrumental Pedagogy (3) (FS) (P: Acceptance in performance degree program; consent of instructor)

***Performance groups (10 s.h.):***

Minimum of 2 semesters selected from:  
 MUSC 1705. Marching Band (1) (F)  
 MUSC 1715. Concert Band (1) (FS)  
 MUSC 1735. Wind Ensemble (1) (FS)  
 MUSC 1745. Symphony Orchestra (1) (FS) (C: MUSC 1755)  
 MUSC 1765. Symphonic Band (1) (S)  
 Choose 8 s.h. from the following:  
 MUSC 1775. Jazz Ensemble (1) (FS)  
 MUSC 1855. Jazz Chamber Music (1) (FS)

## SECTION 7: DEGREES

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### **Jazz Studies, Vocal:**

#### **Applied major (16 s.h.):**

6 s.h. applied major (traditional)

10 s.h. applied jazz major

Present a half senior recital

#### **Applied minor (4 s.h.):**

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S) (P for 1115: MUSC 1105)

MUSC 2105, 2115. Intermediate Group Piano (1,1) (F,S) (P for 2105: MUSC 1115; P for 2115: MUSC 2105)

#### **Jazz studies (17 s.h.):**

MUSC 2095, 2096. Jazz Keyboard Harmony (2,2) (F,S) (P for 2095: MUSC 2115, 2166, 2186; or consent of instructor; P for 2096: MUSC 2095)

MUSC 2195. Jazz Improvisation (2) (F) (P: MUSC 1115, 2166, 2186; or consent of instructor)

MUSC 2196. Advanced Jazz Improvisation (2) (S) (P: MUSC 2195 or consent of instructor)

MUSC 2258. History of Jazz Music (2) (F,S,SS)

MUSC 2295, 2296. Jazz Theory and Arranging (2,2) (F,S) (P for 2295: MUSC 2166, 2186; or consent of instructor; P for 2296: MUSC 2295)

MUSC 4195. Jazz Seminar (3) (F,S,SS) (P: MUSC 1406, 2258, 2406, 2416; passing score on the jazz studies upper division exam)

#### **Pedagogy (7 s.h.):**

MUSC 1627. Italian Lyric Diction for Singers (2) (F)

MUSC 2280. Introduction to Music Technology (2) (F) (P: MUSC major or consent of instructor)

MUSC 3637. Voice Pedagogy (3) (F-OY)

#### **Performance groups (12 s.h.):**

Minimum of 4 semesters selected from:

MUSC 1625. Concert Choir (1) (F,S)

MUSC 1635. University Chorale (1) (F,S)

MUSC 1675. Chamber Singers (1) (F,S)

Choose 8 s.h. from:

MUSC 1775. Jazz Ensemble (1) (F,S)

MUSC 1855. Jazz Chamber Music (1) (F,S)

### **Music Theatre:**

#### **Applied major (16 s.h.):**

Voice—present a half senior recital

#### **Applied minor (4 s.h.):**

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)

MUSC 2105, 2115. Intermediate Group Piano (1,1) (F,S) (P: MUSC 1115)

#### **Music theatre (6 s.h.):**

MUSC 3055. History of the American Musical Theatre (3) (P: MUSC 2166 or consent of instructor)

MUSC 5796. Opera History (3) (WI)

#### **Performance groups (6 s.h.):**

Minimum of 4 semesters large choral ensemble

2 semesters opera theatre

Participation in a minimum of 1 musical theatre production

#### **Theatre arts (21 s.h.):**

DNCE 1011. Ballet I (3) (F) (GE:FA)

DNCE 1013. Jazz Dance I (3) (F) (GE:FA)

DNCE 1023. Jazz Dance II (3) (S)

THEA 2001. Stage Scenery I (3) (F,S) (GE:FA)

THEA 3090. Musical Theatre Performance Techniques I (3) (F) (P: THEA 1020; demonstrated vocal skill; and/or consent of instructor)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

Choose 6 s.h. from:

THEA 3003. Stage Lighting (3) (FS) (P: Consent of instructor)

THEA 3007. Costume Design (3) (FS) (GE:FA)

THEA 3070. Directing I (3) (VI) (F) (P: THEA 1010 or 2020)

**Free electives (3 s.h.)**

**Organ Performance:**

**Applied major (19 s.h.)**

Organ—present a full junior and a full senior recital

**Applied minor (12 s.h.):**

MUSC 2125 (F02), 2135 (S03). Basic Keyboard Skills (11)

8 s.h. applied piano

2 s.h. applied harpsichord

**Counterpoint (3 s.h.):**

MUSC 4327. Counterpoint (3)

**Organ literature and history (4 s.h.):**

MUSC 5667, 5677. Organ History, Literature, and Design (2,2)

**Organ pedagogy (2 s.h.):**

MUSC 5657. Organ Pedagogy (2) (P: Completion of 4 semesters of applied organ)

**Performance groups (8 s.h.):**

Minimum of 4 semesters large ensemble

2 semesters accompanying

**Service playing (5 s.h.):**

MUSC 2476. Introduction to Service Playing (1) (S) (P: Completion of 1 semester of applied organ or consent of instructor)

MUSC 4417, 4437. Advanced Service Playing (2,2) (P: MUSC 2476 or consent of instructor)

**Free electives (3 s.h.)**

**Piano Pedagogy:**

**Applied music (22 s.h.):**

20 s.h. piano

2 s.h. minor

Present a full senior recital

**Pedagogy (12 s.h.):**

MUSC 2125 (F02), 2135 (S03). Basic Keyboard Skills (11)

MUSC 3707. Foundations and Principles of Piano Pedagogy (2) (F02)

MUSC 3717. Elementary Piano Pedagogy (2) (S03)

MUSC 5707. Seminar: Topics and Problems of Piano Pedagogy (2) (C: MUSC 5727)

MUSC 5717. Advanced Piano Performance Problems (2) (C: MUSC 5727)

MUSC 5727. Piano Pedagogy: Observation and Student Teaching (2) (C: MUSC 5707, 5717)

**Performance groups (8 s.h.):**

Minimum of 4 semesters large ensemble

Minimum of 4 semesters accompanying and/or chamber music

**Piano literature and advanced pedagogy (6 s.h.):**

MUSC 5737. Piano Literature and Advanced Pedagogy (3)

MUSC 5747. Piano Literature and Advanced Pedagogy (3) (RP: MUSC 5737)

MUSC electives (3 s.h.)

**Free electives (5 s.h.)**

**Piano Performance:**

**Applied music (26 s.h.):**

24 s.h. piano

2 s.h. minor

Present a full junior recital and a full senior recital



## SECTION 7: DEGREES

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### ***Pedagogy (6 s.h.):***

MUSIC 2125 (F02), 2135 (S03). Basic Keyboard Skills (11)  
MUSC 3707. Foundations and Principles of Piano Pedagogy (2) (F02)  
MUSC 5717. Advanced Piano Performance Problems (2) (C: MUSC 5727)

### ***Performance groups (10 s.h.):***

Minimum of 4 semesters large ensemble  
6 s.h. accompanying and/or chamber music

### ***Piano literature and advanced pedagogy (6 s.h.):***

MUSC 5737. Piano Literature and Advanced Pedagogy (3)  
MUSC 5747. Piano Literature and Advanced Pedagogy (3) (RP: MUSC 5737)  
MUSC electives (3 s.h.)

### ***Free electives (5 s.h.)***

#### **Sacred Music, Organ:**

##### ***Advanced conducting (3 s.h.):***

MUSC 5706 or 5716. Advanced Applied Conducting (3,3) (P: MUSC 3166 or consent of instructor)

##### ***Applied major (16 s.h.):***

Organ—present a full senior recital

##### ***Applied minor (9 s.h.):***

MUSC 1205 (F), 1215 (S). Beginning Voice Group (11)  
MUSIC 2125 (F02), 2135 (S03). Basic Keyboard Skills (11)  
4 s.h. applied piano  
1 s.h. applied harpsichord

##### ***Organ literature and history (4 s.h.):***

MUSC 5667, 5677. Organ History, Literature, and Design (2,2)

##### ***Performance groups (8 s.h.):***

Minimum of 4 semesters large choral ensemble  
Minimum of 2 semesters accompanying

##### ***Sacred music (13 s.h.):***

MUSC 2476. Introduction to Service Playing (1) (P: Completion of 1 semester of applied organ or consent of instructor)  
MUSC 4417, 4437. Advanced Service Playing (2,2) (P: MUSC 2476 or consent of instructor)  
MUSC 4525. History of Sacred Music and Worship (3) (S03) (P: MUSC 2416)  
MUSC 4526 (F02), 4527 (S03). Philosophy and Practice of Sacred Music (2,2) (P for 4527: MUSC 4526 or consent of instructor)  
MUSC 4528. Sacred Music Internship (1) (FS) (P: MUSC 2476)

##### ***Free electives (3 s.h.)***

#### **Sacred Music, Vocal:**

##### ***Applied major (16 s.h.):***

Voice—present a full senior recital

##### ***Applied minor (5 s.h.):***

MUSC 1105, 1115. Beginning Group Piano (11) (FS)  
MUSC 2105, 2115. Intermediate Group Piano (11) (FS) (P: MUSC 1115)  
1 s.h. piano or organ, in consultation with the degree adviser  
(A piano skills proficiency exam will be given no later than the end of the fifth semester; students found to be in need of further piano study must enroll in additional applied piano until they pass the proficiency exam.)

##### ***Advanced conducting (3 s.h.):***

Choose one of MUSC 5706, 5716. Advanced Applied Conducting (3,3) (P: MUSC 3166 or consent of instructor)

##### ***Pedagogy (9 s.h.):***

MUSC 1627. Italian Lyric Diction for Singers (2) (F)  
MUSC 1637. French Diction for Singers (2) (S04)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

MUSC 1647. German Diction for Singers (2) (S03)

MUSC 3637. Voice Pedagogy (3) (F-OY)

**Performance groups (8 s.h.):**

Minimum of 4 semesters large choral ensemble

Minimum of 4 semesters small ensemble

**Sacred music (12 s.h.):**

MUSC 4525. History of Sacred Music and Worship (3) (S03) (P: MUSC 2416)

MUSC 4526. (F02), 4527 (S03). Philosophy and Practice of Sacred Music (2,2) (P for 4527: MUSC 4526 or consent of instructor)

MUSC 4528. Sacred Music Internship (1) (FS) (P: MUSC 3156, 3166)

MUSC 5906, 5916. Choral Literature (2,2)

**Free electives (3 s.h.)**

**String Performance:**

**Applied music (30 s.h.):**

24 s.h. major instrument

MUSC 1105, 1115. Beginning Group Piano (1,1) (FS)

MUSC 2105, 2115. Intermediate Group Piano (1,1) (FS) (P: MUSC 1115)

2 s.h. minor string (violin or viola major must elect 2 s.h. of cello; cello or string bass major must elect 2 s.h. of violin or viola)

Present at least a half junior recital and a full senior recital

**Pedagogy (3 s.h.):**

MUSC 4657. Directed Study in Instrumental Pedagogy for Brass, Percussion, Strings, or Woodwinds (3) (FS)

(P: Acceptance in performance degree program; consent of instructor)

**Performance groups (12 s.h.):**

Minimum of 8 semesters large ensemble

Minimum of 4 semesters of MUSC 1805. String Chamber Music (1) (FS)

**Performance groups for guitar majors:**

Minimum of 8 semesters of MUSC 1805. String Chamber Music (1) (FS) and 4 semesters of large ensemble

Music history and literature electives (6 s.h.)

**Free electives (5 s.h.)**

**Voice Performance:**

**Applied music (26 s.h.):**

20 s.h. voice

Present a half junior recital and a full senior recital

MUSC 1105, 1115. Beginning Group Piano (1,1) (FS)

MUSC 2105, 2115. Intermediate Group Piano (1,1) (FS) (P: MUSC 1115)

2 s.h. minor

Music history and literature (6 s.h.):

MUSC 5616. Historical Development of Solo Vocal Literature (3) (WI)

MUSC 5796. Opera History (3) (WI)

**Performance groups (10 s.h.):**

Minimum of 8 semesters large choral ensemble

Minimum of 2 semesters small ensemble

**Voice diction (6 s.h.):**

MUSC 1627. Italian Lyric Diction for Singers (2) (F)

MUSC 1637. French Lyric Diction for Singers (2) (S02)

MUSC 1647. German Lyric Diction for Singers (2) (S03)

**Voice pedagogy (3 s.h.):**

MUSC 3637. Voice Pedagogy (3) (F-OY)

**Free electives (5 s.h.)**

## SECTION 7: DEGREES

### Wind or Percussion Performance:

#### **Applied music (28 s.h.):**

24 s.h. major instrument

MUSC 1105, 1115. Beginning Group Piano (11) (F,S)

MUSC 2105, 2115. Intermediate Group Piano (11) (F,S) (P: MUSC 1115)

Present a half junior recital and a full senior recital

#### **Pedagogy (3 s.h.):**

MUSC 4657. Directed Study in Instrumental Pedagogy for Brass, Percussion, Strings, or Woodwinds (3)

(P: Acceptance in performance degree program; consent of instructor)

#### **Performance groups (12 s.h.):**

Minimum of 8 semesters large ensemble

Minimum of 4 semesters small ensemble

#### **Music history and literature electives (6 s.h)**

#### **MUSC electives (2 s.h.)**

#### **Free electives (5 s.h.)**

### BM in Theory-Composition

Minimum degree requirement is **128 s.h.** as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

#### *Recommended:*

PHYS 1050. Physics and the Environment (4) (F,S,SS) (GE:SC)

PHYS 1090, 1091. Physics of Sound (4,0) (S) (GE:SC)

- 2. Common core ..... 58 s.h.**

#### **Core MUSC courses (30 s.h.):**

MUSC 1156 (F), 1166 (S). Basic Musicianship (4,4)

MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (11)

MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (2,2,2) (WI, WI, WI)

MUSC 2156 (F), 2166 (S). Basic Musicianship (3,3) (P: MUSC 1166)

MUSC 2176 (F), 2186 (S). Basic Musicianship Laboratory (11) (P: MUSC 1186)

MUSC 3156 (F), 3166 (S). Conducting (2,2) (P: MUSC 2166)

MUSC 3176. Orchestration (2) (F,S) (P: MUSC 2166)

#### **Applied music (20 s.h.):**

14 s.h. major instrument

Present half senior recital

MUSC 1105, 1115. Beginning Group Piano (11) (F,S)

MUSC 2105, 2115. Intermediate Group Piano (11) (F,S) (P: MUSC 1115)

(Keyboard majors apply these 4 s.h. toward music electives, resulting in an applied total of 16 s.h. for keyboard majors.)

2 s.h. minor instrument

A student who is exempt from any of the applied minor courses specified must take other applied minor courses to complete the total required hours.

#### **Other MUSC courses (2 s.h.):**

MUSC 2280. Introduction to Music Technology (2) (F) (P: MUSC major or consent of instructor)

#### **Performance groups (6 s.h.):**

Minimum of 4 semesters large ensemble

- 3. Concentration area (Choose one.) ..... 28 s.h.**

#### **Theory-Composition, Theory:**

#### **Advanced theory (11 s.h.):**

MUSC 4327. Counterpoint (3) (F)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

MUSC 4328. Language of Post-tonal Music (3) (S-EY)

MUSC 4506. Directed Study in Music Theory (2) (F,S,SS) (P: MUSC 2166) (MUSC 4506 must culminate in a project or research paper which will require the approval of a three-member committee, two of whom must be members of the theory composition, and musicology faculty)

MUSC 4536. Schenkerian Analysis (3) (S-OY)

### **Composition (4 s.h.):**

Choose one from MUSC 3326 (F), 3336 (S). Composition (2,2) (P: MUSC 2336 or consent of instructor)

Choose one from MUSC 3366 (F), 3386 (S). Electronic Music Composition (2,2) (P: MUSC 2326 or consent of instructor)

### **Music history and literature electives (6 s.h.)**

#### **MUSC electives (2 s.h.)**

#### **Free electives (5 s.h., 9 s.h. for keyboard majors)**

### **Theory-Composition, Composition:**

**Composition as listed below (Choose one option.)** (A full recital of the student's compositions, approved by the theory, composition, and musicology faculty, must be presented at the end of the senior year.):

#### **Electronic music option (12 s.h.):**

Choose one from MUSC 3326 (F), 3336 (S). Composition (2,2) (P: MUSC 2336 or consent of instructor)

MUSC 3366 (F), 3386 (S). Electronic Music Composition (2,2) (P: MUSC 2326 or consent of instructor)

MUSC 4366 (F), 4376 (S). Advanced Composition in Electronic Media (3,3) (F) (P: MUSC 3386 or consent of instructor)

#### **Traditional media option (12 s.h.):**

MUSC 3326 (F), 3336 (S). Composition (2,2) (P: MUSC 2336 or consent of instructor)

Choose one from MUSC 3366 (F), 3386 (S). Electronic Music Composition (2,2) (P: MUSC 2326 or consent of instructor)

MUSC 4326 (F), 4336 (S). Composition (3,3) (P: MUSC 3336 or consent of instructor)

### **Music history and literature (6 s.h.):**

MUSC 5436. Twentieth Century Music (2) (WI)

Music history and literature electives (4 s.h.)

### **Advanced theory (6 s.h.)**

MUSC 4327. Counterpoint (3) (F)

MUSC 4328. Language of Post-tonal Music (3) (S-EY)

### **Free electives (4 s.h., 8 s.h. for keyboard majors)**

## **Music Minor**

All persons minoring in music must pass an audition for acceptance by the School of Music at a minimum freshman applied level, level III. Minimum minor requirement is **28 s.h.** of credit as follows:

- 1. Theory and Literature ..... 16 s.h.**  
 MUSC 1156 (F), 1166 (S). Basic Musicianship (4,4)  
 MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (11)  
 MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (2,2,2) (WI, WI, WI)
- 2. Applied Music ..... 8 s.h.**  
 6 s.h. primary performance medium  
 2 s.h. piano (MUSC 2125, 2135 for the student whose primary performance medium is a keyboard instrument;  
 MUSC 1105, 1115 (F,S) for the student whose primary performance medium is other than keyboard)
- 3. Performance Groups: Minimum of 4 semesters large and/or small ensemble ..... 4 s.h.**

## **Jazz Studies Minor**

The minor in jazz studies requires **24 s.h.** of credit as follows:

- 1. Core ..... 14 s.h.**  
 MUSC 2095 (F), 2096 (S). Jazz Keyboard Harmony (2,2) (P: MUSC 2115, 2166, 2186; or consent of instructor)

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
 (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
 (GE:SC)=Science; (GE:SO)=Social Science

SECTION 7: DEGREES

|   |        |
|---|--------|
| MUSC 2195. Jazz Improvisation (2) (F) (P: MUSC 1115, 2166, 2186; or consent of instructor)              |        |
| MUSC 2196. Advanced Jazz Improvisation (2) (S) (P: MUSC 2195 or consent of instructor)                  |        |
| MUSC 2258. History of Jazz Music (2) (F,S,SS) (GE:FA)   |        |
| MUSC 2295 (F), 2296 (S). Jazz Theory and Arranging (2,2) (P: MUSC 2166, 2186; or consent of instructor) |        |
| 2. Applied jazz .....   | 4 s.h. |
| 3. Performance Groups .....   | 6 s.h. |
| MUSC 1775. Jazz Ensemble (1) (F,S) (GE:FA)  |        |
| MUSC 1855. Jazz Chamber Music (1) (F,S)   |        |

Departmental Certificate in Jazz Studies

A certificate in jazz studies comprises 18 s.h. of jazz courses as follows:

|   |         |
|---|---------|
| 1. Core .....   | 14 s.h. |
| MUSC 2095 (F), 2096 (S). Jazz Keyboard Harmony (2,2) (P: MUSC 2115, 2166, 2186; or consent of instructor) |         |
| MUSC 2195. Jazz Improvisation (2) (F) (P: MUSC 1115, 2166, 2186; or consent of instructor)                |         |
| MUSC 2196. Advanced Jazz Improvisation (2) (S) (P: MUSC 2195 or consent of instructor)                    |         |
| MUSC 2258. History of Jazz Music (2) (F,S,SS) (GE:FA)   |         |
| MUSC 2295 (F), 2296 (S). Jazz Theory and Arranging (2,2) (P: MUSC 2166, 2186; or consent of instructor)   |         |
| 2. Performance Groups .....   | 4 s.h.  |
| MUSC 1775. Jazz Ensemble (1) (F,S) (GE:FA)  |         |
| MUSC 1855. Jazz Chamber Music (1) (F,S)   |         |

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

# SCHOOL OF NURSING

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*Phyllis Horns, Dean, 133 Rivers Building*

*Lou Everett, Associate Dean for Undergraduate Program, 131 Rivers Building*

*Alta Andrews, Chairperson, Department of Community Nursing Systems and Interim Chairperson, Department of Parent-Child Nursing, 239 Rivers Building*

*Nancy Moss, Interim Chairperson, Department of Adult Health Nursing, 247 Rivers Building*

## Curriculum

The baccalaureate program in nursing educates students for professional nursing practice and is characterized by a combination of general education and nursing courses. The focus of the nursing courses is on nursing theory and scientific principles applied to the care of healthy persons as well as to acute and chronic health problems of individuals, families, and groups. Clinical experiences are provided in a variety of health care settings, such as hospitals, health departments, nursing homes, mental health centers, and other health-related community agencies. Graduates are prepared for beginning positions in nursing with the potential for positions of leadership and graduate study.

All students—high school graduates, transfer students, diploma or associate-degree graduates in nursing—earn the bachelor of science in nursing degree (BSN). The awarding of the BSN does not license one as a registered nurse. A separate examination (NCLEX-RN) is administered by the board of nursing in the state in which the applicant wishes to be registered. The School of Nursing will certify completion of degree requirements, but meeting other requirements for licensure is the responsibility of each candidate.

Registered nurses seeking to obtain a BSN are offered an opportunity for educational mobility through the ReNew track option. The curriculum track for RNs uses both traditional and nontraditional study methods. Modifications in course offerings include flexible scheduling and sequencing (including on-line options), special sections for RNs, and creative methods of meeting course objectives. Registered nurse students meet course requirements by transfer, advanced placement, credit by exam, CLEP, and completion of courses by enrollment.

There is an RN to MSN track available for registered nurses who do not have a baccalaureate degree in nursing. See the graduate catalog for admission requirements.

All students are required to demonstrate computer competency, which can be met by placement or enrollment in ASIP 2000. This course will not meet graduation requirements.

The program is accredited by the National League for Nursing Accrediting Commission (61 Broadway, New York, NY 10006; 212-363-5555) and approved by the North Carolina Board of Nursing.

## Admission

Freshmen may declare an intent to enroll in nursing but are assigned to General College until officially admitted to the School of Nursing after filing an application for admission to the major and meeting eligibility requirements prior to enrollment in the first nursing courses. Eligibility is based upon a minimum cumulative 2.2 GPA and completion of general education requirements. A minimum grade of C is required in biology, chemistry, and college algebra or equivalent. Admission to nursing courses is competitive and limited due to space availability and accrediting requirements. Students desiring readmission after an absence of one or more semesters must secure approval from the university admissions office and the School of Nursing Student Affairs Committee. Financial aid is available through scholarships and loans from government and private sources, work-study, and self-help programs. Information is available from the university director of financial aid or the School of Nursing director of student services.

## BS in Nursing (BSN)

Minimum degree requirement is **127 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

BIOL 2140, 2150. Human Physiology and Anatomy (3,3) (P: 1 CHEM course; P for 2150: BIOL 2140; C for 2140: BIOL 2141; C for 2150: BIOL 2151)

BIOL 2141, 2151. Human Physiology and Anatomy Laboratory (11) (P for 2151: BIOL 2141; C for 2141: BIOL 2140; C for 2151: BIOL 2150)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)

PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

Choose an approved 3 s.h. ethics course

### 2. Professional Nursing Core ..... 28 s.h.

NURS 3410. Concepts of Pathophysiology for Nursing (3) (FS) (P: All required NURS courses below 3510)

NURS 3510. Nursing Research (3) (F,S,SS) (P: All required NURS courses below 3330; approved statistics course)

NURS 3520. Trends and Issues in Professional Nursing (3) (WI) (F,S,SS) (P: All required NURS courses below 3330)

NURS 4100. Health of the Older Adult (2) (FS) (P: All required NURS courses below 4000)

NURS 4150. Nursing Leadership (3) (FS) (P: All required NURS courses below NURS 4000)

NURS 4210, 4211. Nursing Care of Populations and Communities (6) (FS) (P: All required NURS courses below 4200)

NURS 4500. Theory Capstone (3) (WI) (FS) (P: All required NURS courses below 4200; C: NURS 4210, 4211)

NURS 4511. Clinical Capstone (5) (FS) (P: All required NURS courses below 4200; C: NURS 4210, 4211, 4500)

### 3. Specialization area (Choose one.) ..... 38 s.h.

#### Professional Nursing (Pre-licensure students):

NURS 3020, 3021. Health Assessment (3,0) (FS) (P: Admission to the NURS major)

NURS 3040. Pharmacotherapeutics for Nursing (2) (FS) (P: Admission to the NURS major)

NURS 3200. Introduction to Professional Nursing (3) (FS) (P: Admission to the NURS major)

NURS 3210, 3211. Nurse As Care Provider (6) (FS) (C: NURS 3020, 3021, 3040, 3200, 3270, 3271)

NURS 3270, 3271. Clinical Nursing Foundations I (2,0) (FS) (P/C: NURS 3020, 3021, 3040, 3200, 3210, 3211)

NURS 3330, 3331. Nursing Care of Families During the Childbearing Phase (5) (FS) (P: All required NURS courses below 3300; C: NURS 3370, 3371, 3410)

NURS 3340, 3341. Nursing Care of Children (5) (FS) (P: All required NURS courses below 3330; C: NURS 3370, 3371, 3410)

NURS 3370, 3371. Clinical Nursing Foundations II (2,0) (FS) (P: NURS 3270, 3271)

NURS 4010, 4011. Nursing Care of Clients with Alterations in Mental Health (5) (FS) (P: All required NURS courses below 4000)

NURS 4020, 4021. Nursing Care of Adults (5) (FS) (P: All required NURS courses below 4000)

#### Registered Nurse Students:

NURS 3900. Concepts in Professional Nursing (4) (WI) (FS) (P: RN status; completion of required sciences, general education, and cognate courses; consent of RN/BSN director; P/C: NURS 3410; C: NURS 3901)

NURS 3901. Practicum in Concepts in Professional Nursing (2) (FS) (P: RN status; completion of required sciences, general education, and cognate courses; consent of RN/BSN director; P/C: NURS 3410; C: NURS 3900)

Upon successful completion (minimum grade of C) in NURS 3900, 3901, students meet the competencies listed above for professional nursing and receive placement credit for 32 s.h. of selected junior-level courses.

### 4. Cognates ..... 17 s.h.

BIOL 2110, 2111. Fundamentals of Microbiology (4,0) (FS) (P: 4 s.h. in BIOL; 8 s.h. in CHEM)

CHEM 1120. Basic General, Organic, and Biochemistry I (4) (FS) (GE:SC)

CHEM 1130. Basic General, Organic, and Biochemistry II (3) (FS) (GE:SC) (P: CHEM 1120)

NUHM 2105. Nutrition (3) (F,S,SS)

An approved 3 s.h. statistics course

### 5. Electives to complete requirements for graduation.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

## Requirements

The School of Nursing considers a grade of C as the minimum passing grade for required nursing courses. Nursing students are required to earn a minimum course grade of C in all nursing courses. Opportunity to repeat a nursing course is limited by the School of Nursing Progression Policies as printed in the current student handbook.

All students are required to have CPR certification, a TB skin test, immunizations including Hepatitis B, and to purchase health and liability insurance prior to enrollment in clinical nursing courses. Verification of TB skin test, CPR update, and payment of health and liability insurance is required each year. Proof of current health insurance must be provided by the student. If applicable, waivers must be signed for immunizations and health insurance.

Specific health requirements are stated in the *School of Nursing Student Handbook*.

The School of Nursing utilizes diagnostic tests for each of the 4 semesters a student is enrolled in the SON undergraduate curriculum. This also applies to RN students and tests are administered during the semester that specific content is taught. Tests may be administered prior to instruction, during the semester, or near the completion of the semester. Results are used to assist students from entrance to graduation in determining nursing content that has been mastered. Various enhancement materials are used to assist with identified weaknesses.

Credit for courses in the School of Nursing is determined by the following formula: one classroom/lecture hour per week equals 1 s.h. credit; two lab hours per week equals 1 s.h. credit; and three practicum hours per week equals 1 s.h. credit.



# SCHOOL OF SOCIAL WORK AND CRIMINAL JUSTICE STUDIES

David Harrison, Dean, 132 Ragsdale Building

Lessie Bass, Bachelor of Social Work Program Chairperson, 208-B Ragsdale Building

Darrell Ross, Criminal Justice Program Chairperson, 210-A Ragsdale Building

The School of Social Work and Criminal Justice Studies offers four degrees: the bachelor of social work, bachelor of science in criminal justice, master of social work degree, and master of science in criminal justice. (See also graduate catalog)

## CRIMINAL JUSTICE STUDIES

To apply for admission to the criminal justice program, a student is required to have completed 32 s.h. with a minimum overall 2.5 GPA, including work transferred from another institution, and must have completed JUST 1000 with a grade of C or higher. Transfer students admitted to the university with a minimum of 32 s.h. of credit must establish an overall 2.5 GPA at the university prior to admission into the criminal justice studies program and have completed JUST 1000 or equivalent with a minimum grade of C. All transfer students must submit to the director official transcripts from the transfer institution(s) in addition to the application form. Criminal justice majors are expected to maintain an overall 2.5 GPA throughout the program. Further information and applications for admission may be obtained from the criminal justice program chairperson, School of Social Work and Criminal Justice Studies, 104-B Ragsdale Building.

The major in criminal justice is designed to prepare students for entrance into professional positions in the field of criminal justice. A selective field education opportunity is offered during the final semester of the program. Field placement settings include probation and parole agencies, juvenile facilities, public and private law offices, federal and state prisons, and federal, state, and local law enforcement agencies. Students must submit an application two semesters prior to completing requirements for the degree; they must have an overall 2.5 GPA or higher; to be eligible for consideration. Students will be selected based upon the availability of appropriate placements and criteria specified in the *Criminal Justice Student Handbook*.

## BS in Criminal Justice

Criminal justice majors must pass all required criminal justice courses and supportive area criminal justice courses with a minimum grade of C. Minimum degree requirement is **120 s.h.** of credit as follows:

- 1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
  - History course
  - POLS 1010. National Government (3) (F,S,SS) (GE:SO)
  - PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)
  - SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)
- 2. Core ..... 21 s.h.**
  - JUST 1000. The Criminal Justice System (3) (F,S,SS)
  - JUST 3004. Crime and Criminality (3) (F,S,SS) (P: JUST major)
  - JUST 3500. Principles of Criminal Law (3) (F,S) (P: JUST 1000)
  - JUST 3700. Public Safety in a Multicultural Environment (3) (F,S) (P: JUST major)
  - JUST 3800. Research Methods in Criminal Justice (3) (F,S) (P: JUST major)
  - JUST 4200. The Juvenile Justice System (3) (VI) (F,S) (P: JUST major)
  - JUST 4500. Issues and Problems in Criminal Justice (3) (F,S)
- 3. Corrections and Law Enforcement Emphases (Choose 3 s.h. from each area.) ..... 6 s.h.**
  - Corrections:**
    - JUST 3008. Correctional Systems (3) (F,S) (P: JUST major)
    - JUST 3502. Correctional Law (3) (VI) (F,S) (P: JUST major)
    - JUST 4006. Community Corrections (3) (F,SS) (P: JUST major)
  - Law Enforcement:**
    - JUST 3006. Security Systems (3) (S,SS) (P: JUST major)
    - JUST 3007. Criminal Investigation (3) (F) (P: JUST major)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8. (VI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed. Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

JUST 3012. Police Operations (3) (S) (P: JUST major)

JUST 3501. Criminal Procedures (3) (FS) (WI) (P: JUST major)

**3. Cognates..... 3 s.h.**

ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS) or DSCI 2223. Introduction to Computers (3) (F,S,SS) or ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S,SS)

**4. Supportive area courses ..... 30 s.h.**

Choose a minimum of 15 s.h. from:

JUST 3003. Addiction, Crime, and the Criminal (3) (P: JUST major)

JUST 3101. Conflict Management (3) (F) (P: JUST major)

JUST 3102. Interviewing in Criminal Justice (3) (S) (P: JUST major)

JUST 4004. Criminal Justice History (3) (S) (P: JUST major)

JUST 4005. Organized Crime (3) (SS) (P: JUST major)

JUST 4300. Criminal Justice Administration (3) (S) (P: JUST major)

JUST 4401, 4402, 4403. Independent Study (1,2,3) (F,S,SS) (P: JUST major)

JUST 4600. Special Topics in Criminal Justice (3) (F or S or SS) (P: JUST major)

JUST 4990. Field Education and Seminar (9) (F,S,SS) (P: Minimum cumulative 2.5 GPA to be eligible for consideration; completion of all required JUST and supportive area courses; selection based upon availability of appropriate placements and criteria specified in *Criminal Justice Student Handbook*)

JUST 5000. Comparative Criminal Justice (3) (P: JUST major)

Choose a minimum of 15 s.h. from outside criminal justice above 2999 with approval of adviser

**5. Electives to complete requirements for graduation.**

## SOCIAL WORK

The undergraduate major in social work is accredited by the Council on Social Work Education. The principal educational objective of the major in social work is to prepare students for beginning professional generalist social work practice.

All majors have a field education internship of 12 s.h. in one semester in an approved agency. Agencies serving as field placements include North Carolina county departments of social services, local mental health centers, state hospitals for the emotionally disturbed, centers for the mentally retarded, developmental evaluation clinics, remedial education activity programs, alcoholic rehabilitation centers, public schools, general hospitals, and care facilities. Each student is required to make application for the field education internship two semesters before the semester in the field.

A student is eligible to apply for admission to the BSW degree program when the following required conditions are met: completion of a minimum of 32 s.h.; an overall 2.5 GPA; and completion of SOCW 1010, 2010 with a 2.5 GPA in these courses. Students who plan to transfer from a junior or community college are encouraged to take a four-year college preparatory curriculum that includes human biology. The social work program will not accept for required major credit upper-level courses (numbered 3000 and 4000 at East Carolina University) taken at a junior or community college. The BSW program chairperson will determine the applicability of upper-level courses taken at senior colleges in meeting the BSW degree requirements. Additional information on the undergraduate social work program and application for admission may be obtained from the Office of Undergraduate Social Work Studies, 104-C Ragsdale Building.

## Bachelor of Social Work (BSW)

Social work majors must pass all required social work courses with a minimum grade of C. Minimum degree requirement is **124 s.h.** of credit as follows:

**1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

BIOL 1050, 1051. General Biology and Laboratory (31) (F,S,SS) (GE:SC)

BIOL 1060. Environmental Biology (4) (F,S,SS) (GE:SC)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)

MATH 1065. College Algebra (3) (F,S,SS) (GE:MA) (P: Appropriate score on mathematics placement test) or equivalent

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education.  
(GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics;  
(GE:SC)=Science; (GE:SO)=Social Science

## SECTION 7: DEGREES

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POLS 1010. National Government (3) (F,S,SS) (GE:SO)  
PSYC 1000. Introductory Psychology (3) (F,S,SS) (GE:SO)  
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)

### 2. Core ..... 51 s.h.

SOCW 1010. Introduction to Social Welfare and Social Work (3) (F,S,SS)  
SOCW 2010. Introduction to Social Work Practice with Special Populations (3) (F,S,SS) (P: SOCW 1010)  
SOCW 3101. Human Behavior and the Social Environment I (3) (F,S) (C: SOCW 3201 for SOCW majors)  
SOCW 3201. Social Work Practice I (3) (F,S) (P: SOCW majors only)  
SOCW 3202. Social Work Practice II (3) (F,S) (P: SOCW 3201)  
SOCW 3301. Social Work Policy I (3) (F,S) (P: SOCW 2010)  
SOCW 3302. Social Work Policy II (3) (F,S) (P: SOCW major or consent of dean)  
SOCW 3401. Social Work Research and Statistics (3) (WI) (F,S) (P: SOCW major or consent of dean)  
SOCW 4102. Human Behavior and the Social Environment II (3) (F,S) (P: SOCW 3101; C: SOCW 4203)  
SOCW 4203. Social Work Practice III (3) (F,S) (P: SOCW 3202; C: SOCW 4102)  
SOCW 4303. Social Work Policy III (3) (F,S) (P: SOCW 3301, 3302)  
SOCW 4990. Field Education and Seminar (12) (WI) (F,S) (P: SOCW major with a minimum 2.5 GPA; approval of the field education office; completion of all required SOCW courses)  
Choose 6 s.h. SOCW electives

### 3. Cognates ..... 15 s.h.

Choose one from:

HIST 1051. American History Since 1877 (3) (WI\*) (F,S) (GE:SO)  
HIST 3031. Economic History of the United States Since 1865 (3) (GE:SO)  
HIST 3240. The Age of Franklin Roosevelt, 1919-1945 (3) (WI\*) (GE:SO)  
HIST 3245. The United States Since 1945 (3) (WI\*) (GE:SO)

Choose one from:

PSYC 3300. Psychology of Personality (3) (F,S) (GE:SO)  
PSYC 4375. Abnormal Psychology (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)

Choose one from:

PSYC 2201. Psychology of Childhood (3) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060 or equivalent)  
PSYC 3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO) (P: PSYC 1000 or 1060)  
PSYC 3240. Psychology of Adolescence (3) (F,S,SS) (GE:SO)

Choose two from:

SOCI 2111. Modern Social Problems (3) (F,S,SS) (GE:SO) (P: SOCI 2110)  
SOCI 3289. Community Organization (3) (S) (GE:SO) (P: SOCI 2110)  
SOCI 4347. Social Inequality (3) (S) (GE:SO) (P: SOCI 2110)  
SOCI 4350. Social Change (3) (GE:SO) (P: SOCI 2110)

### 4. General electives: Students will be encouraged to choose electives which will strengthen their total program.

### Additional Opportunities

The social work major deciding to seek certification as a school social worker must be accepted into the upper division of teacher education. This should be done during the sophomore year and prior to or at the point the student is accepted as a social work major. The School of Education and the School of Social Work and Criminal Justice Studies will maintain a record to help track the student's completion of certification requirements. Upon completion of appropriate social work courses and education courses, the School of Social Work and Criminal Justice Studies and the School of Education will recommend certification to the State Department of Public Instruction.

A social work or criminal justice major may, by completing a minimum of four courses in alcoholism and/or drug abuse, meet the educational requirements for certification as a substance abuse counselor in North Carolina.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 8.  
(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive. Semester of course offering is not guaranteed.  
Anticipated semester of course offering: (F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year  
P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

SIGNIFICANCE OF COURSE NUMBERS

|                     |                    |                      |
|---------------------|--------------------|----------------------|
| 0001-0999 Remedial  | 3000-3999 Junior   | 6000-6999 Graduate   |
| 1000-1999 Freshman  | 4000-4999 Senior   | 7000-7999 Specialist |
| 2000-2999 Sophomore | 5000-5999 Graduate | 8000-9000 Doctoral   |

Five-thousand-level (5000-5999) courses are graduate courses. Undergraduate students may be admitted to five-thousand-level courses if they have completed the stated prerequisite(s) or with the written permission of the instructor, chairperson of the department, or the dean of the school in which the course is offered. For 6000-level and above courses, see graduate catalog.

NAME ABBREVIATIONS

|      |  |   |
|------|--|---|
| ACCT | Accounting   | School of Business                              |
| ADED | Adult Education                                    | School of Education                             |
| AERO | Aerospace Studies                                  | School of Industry and Technology               |
| AMID | Apparel Merchandising and Interior Design          | School of Human Environmental Sciences          |
| ANAT | Anatomy  | Brody School of Medicine                        |
| ANTH | Anthropology                                       | Department of Anthropology                      |
| ART  | Art  | School of Art                                   |
| ASAS | Area Studies-Asian Studies                         | College of Arts and Sciences                    |
| ASEU | Area Studies-European Studies                      | College of Arts and Sciences                    |
| ASIP | Administrative Services and Information Processing | School of Education                             |
| ASLS | American Sign Language Studies                     | School of Allied Health Sciences                |
| BIOC | Biochemistry                                       | Brody School of Medicine                        |
| BIOL | Biology  | Department of Biology                           |
| BIOS | Biostatistics                                      | School of Allied Health Sciences                |
| BVTE | Business, Vocational, and Technical Education      | School of Education                             |
| CDFR | Child Development and Family Relations             | School of Human Environmental Sciences          |
| CHEM | Chemistry  | Department of Chemistry                         |
| CHIN | Chinese  | Department of Foreign Languages and Literatures |
| CIET | Civil Engineering Technology                       | School of Industry and Technology               |
| CLAS | Classical Studies                                  | College of Arts and Sciences                    |
| CLSC | Clinical Laboratory Science                        | School of Allied Health Sciences                |
| CMED | Comparative Medicine                               | Brody School of Medicine                        |
| CMGT | Construction Management                            | School of Industry and Technology               |
| COAD | Counselor and Adult Education                      | School of Education                             |
| COAS | Coastal Studies                                    | College of Arts and Sciences                    |
| COHE | Community Health                                   | School of Allied Health Sciences                |
| COMM | Communication                                      | and School of Health and Human Performance      |
| CRM  | Coastal Resources Management                       | School of Computer Science and Communication    |
| CSCI | Computer Science                                   | College of Arts and Sciences                    |
| CSDI | Speech and Hearing Sciences                        | School of Computer Science and Communication    |
| DESN | Design and Drafting                                | School of Allied Health Sciences                |
| DNCE | Dance  | School of Industry and Technology               |
| DRED | Driver Education                                   | Department of Theatre and Dance                 |
| DSCI | Decision Sciences                                  | School of Health and Human Performance          |
| DTEC | Digital Communications Technology                  | School of Business                              |
| ECON | Economics  | School of Industry and Technology               |
| EDTC | Educational Technology                             | Department of Economics                         |
| EDUC | Education  | School of Education                             |
| EHST | Environmental Health                               | School of Education                             |
| ELEC | Electricity/Electronics                            | School of Industry and Technology               |
| ELEM | Elementary Education                               | School of Industry and Technology               |
|      |  | School of Education                             |

## SECTION 8: COURSES

|      |  |   |
|------|--|---|
| ELET | Electronics Engineering Technology         | School of Industry and Technology                                 |
| ENET | Environmental Engineering Technology       | School of Industry and Technology                                 |
| ENGL | English                                    | Department of English   |
| ETHN | Ethnic Studies                             | College of Arts and Sciences                                      |
| EXSS | Exercise and Sport Science                 | School of Health and Human Performance                            |
| FACS | Family and Consumer Sciences               | School of Education   |
| FINA | Finance                                    | School of Business  |
| FLGC | Foreign Languages, Generic                 | Department of Foreign Languages and Literatures                   |
| FORL | Foreign Languages                          | Department of Foreign Languages and Literatures                   |
| FREN | French                                     | Department of Foreign Languages and Literatures                   |
| GEOG | Geography                                  | Department of Geography   |
| GEOL | Geology                                    | Department of Geology   |
| GERM | German                                     | Department of Foreign Languages and Literatures                   |
| GERO | Gerontology                                | Interdisciplinary Programs  |
| GRAD | Graduate Studies                           | Graduate School   |
| GRK  | Greek                                      | Department of Foreign Languages and Literatures                   |
| HESC | Human Environmental Sciences               | School of Human Environmental Sciences                            |
| HIMA | Health Information Management              | School of Allied Health Sciences                                  |
| HIST | History                                    | Department of History   |
| HLTH | Health                                     | School of Health and Human Performance                            |
| HNRS | Honors                                     | Honors Program  |
| HPRO | Health Professions                         | School of Allied Health Sciences                                  |
| HUMS | Medical Humanities                         | Brody School of Medicine  |
| IDIS | Industrial Distribution                    | School of Industry and Technology                                 |
| INTE | Interdepartmental                          | Brody School of Medicine  |
| INTL | International Studies                      | Center for International Affairs and College of Arts and Sciences |
| ITAL | Italian                                    | Department of Foreign Languages and Literatures                   |
| ITEC | Industrial Technology                      | School of Industry and Technology                                 |
| JAPN | Japanese                                   | Department of Foreign Languages and Literatures                   |
| JUST | Criminal Justice                           | School of Social Work and Criminal Justice Studies                |
| LATN | Latin                                      | Department of Foreign Languages and Literatures                   |
| LDVP | Leadership Development                     | Center for Leadership Development                                 |
| LEED | Educational Leadership                     | School of Education   |
| LIBS | Library Studies and Educational Technology | School of Education   |
| MANF | Manufacturing                              | School of Industry and Technology                                 |
| MAST | Maritime Studies                           | Coastal Resources Management                                      |
| MATH | Mathematics                                | Department of Mathematics   |
| MCBI | Microbiology                               | Brody School of Medicine  |
| MGMT | Management                                 | School of Business  |
| MIDG | Middle Grades Education                    | School of Education   |
| MKTG | Marketing                                  | School of Business  |
| MLSC | Military Science                           | School of Industry and Technology                                 |
| MRST | Medieval and Renaissance Studies           | College of Arts and Sciences                                      |
| MULT | Multidisciplinary Studies                  | College of Arts and Sciences                                      |
| MUSC | Music                                      | School of Music   |
| NCST | North Carolina Studies                     | College of Arts and Sciences                                      |
| NEUR | Neuroscience                               | College of Arts and Sciences and Brody School of Medicine         |
| NUHM | Nutrition and Hospitality Management       | School of Human Environmental Sciences                            |
| NURS | Nursing                                    | School of Nursing   |
| OCCT | Occupational Therapy                       | School of Allied Health Sciences                                  |
| PADM | Public Administration                      | Department of Political Science                                   |
| PADP | Physician Assistant                        | School of Allied Health Sciences                                  |
| PATH | Pathology                                  | Brody School of Medicine  |
| PHAR | Pharmacology                               | Brody School of Medicine  |

## COURSE DESCRIPTION KEY

|      |                                |  |
|------|--------------------------------|--|
| PHIL | Philosophy                     | Department of Philosophy                           |
| PHLY | Physiology                     | Brody School of Medicine                           |
| PHYS | Physics                        | Department of Physics                              |
| PLAN | Planning                       | School of Industry and Technology                  |
| POLS | Political Science              | Department of Political Science                    |
| PSYC | Psychology                     | Department of Psychology                           |
| PTHE | Physical Therapy               | School of Allied Health Sciences                   |
| RCLS | Recreation and Leisure Studies | School of Health and Human Performance             |
| READ | Reading                        | School of Education                                |
| REHB | Rehabilitation Studies         | School of Allied Health Sciences                   |
| RELI | Religious Studies              | College of Arts and Sciences                       |
| RONC | Radiation Oncology             | Brody School of Medicine                           |
| RUSS | Russian                        | Department of Foreign Languages and Literatures    |
| SCIE | Science Education              | School of Education                                |
| SOCI | Sociology                      | Department of Sociology                            |
| SOCW | Social Work                    | School of Social Work and Criminal Justice Studies |
| SPAN | Spanish                        | Department of Foreign Languages and Literatures    |
| SPED | Special Education              | School of Education                                |
| TCHR | Teacher Education              | School of Education                                |
| TECH | Technology                     | School of Education                                |
| THEA | Theatre Arts                   | Department of Theatre and Dance                    |
| WOST | Women's Studies                | College of Arts and Sciences                       |

## COURSE DESCRIPTION KEY

(Number)=Courses normally meet one hour per week for each semester hour credit. The numbers in parentheses following the title for each course listed under the various programs, departments, and schools of the university indicate the semester hours credit. Exceptions to the rule, such as labs, are printed under course titles.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Anticipated semester of course offering:

Semester of course offering is not guaranteed.

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

Some courses that carry general education credit have been identified in the course listings using the following key. However, there may be other courses with the prefix which also carry general education credit. Courses in major prefix may not count toward general education.

(GE:EN)=English

(GE:EX)=Exercise and Sport Science

(GE:FA)=Fine Arts

(GE:HL)=Health

(GE:HU)=Humanities

(GE:MA)=Mathematics

(GE:SC)=Science

(GE:SO)=Social Science

## SECTION 8: COURSES

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### ACCT: ACCOUNTING

**2401. Financial Accounting (3) (F,S,SS)** P: MATH 1065 or 1066. Basic concepts and transformation processes of accounting information system.

**2521. Managerial Accounting (3) (F,S,SS)** P: ACCT 2401. Accounting information systems for gathering and organizing data for planning and control of organization activities.

**3551. Intermediate Accounting I (3) (F,S,SS)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ACCT 2521; P/C: FINA 3724. Concepts, principles, and transformations underlying compilation and presentation of financial statements.

**3561. Intermediate Accounting II (3) (F,S,SS)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ACCT 3551. Financial reporting theory, financial reporting problems, and contemporary financial accounting issues.

**3621. Cost Accounting (3) (F,S)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ACCT 2521. Types of cost accounting, including application and analysis of standard costs for planning, control, and product costing.

**3731. Advanced and Nonprofit Accounting (3) (F,S)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ACCT 3561. Accounting for business combinations, not-for-profit organizations, and international operations.

**4451. International Accounting (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 3724. International financial reporting, accounting, and controllership.

**4611. Controllership I (3) (WI) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: ACCT 3561. Controllership, including concepts of taxation and their effect upon business decision making and international accounting issues.

**4621. Controllership II (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: ACCT 3561; DSCI 3063. Controllership, including concepts of auditing with internal emphasis and not-for-profit sector accounting.

**4651. Accounting Information Systems (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: ACCT 3561; DSCI 3063. Procedures, techniques, and cycles. Emphasis on internal report generation and decision making.

**4921. Accounting Problems (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: ACCT 3561, 3621. Emphasis on areas of cost accounting, international accounting, business combinations, practical application, and audit.

### **ACCT Banked Courses**

**3581. Intermediate Accounting III (3)**

**4821. Advanced Auditing (3)**

**4941. Topics in Accounting (3)**

**4951. Legal Environment of Professional Accounting (3)**

### AERO: AEROSPACE STUDIES

**1100. Introduction to the Air Force Today (1) (F)** Basic US Air Force customs, courtesies, opportunities, and benefits. Foundations of officership, core values, and oral and written communications.

**1101. Leadership Lab (1) (F)** 2 lab hours per week. C: AERO 1100. Training in military drill and ceremonies. Individual, element, and flight activities. Introduction to US Air Force customs and courtesies and participation in US Air Force physical fitness activities.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

**1102. Introduction to the Air Force Today (1) (S)** P: AERO 1100. Organization of US Air Force and continued study of officership and communication skills. Group leadership application problems and macro US history overview.

**1103. Leadership Lab (1) (S)** 2 lab hours per week. P: AERO 1101. Further study of US Air Force customs and courtesies, including those of the flag. Grade structure and chain of command, honor and ethics, and environment of US Air Force officer. Continued participation in US Air Force physical fitness activities.

**2200. The Evolution of the United States Air Force Air and Space Power (1) (F)** P: AERO 1102. Milestones in development and deployment of air power leading to its growth as a primary element of national security. Historical events, leaders, and technical developments that surrounded the growth of air power from its inception through present applications. Basic leadership and written and oral communication skills.

**2201. Leadership Lab (1) (F)** 2 lab hours per week. P: AERO 1103; C: AERO 2200. Advanced work and studies in subjects covered in AERO 1103. Emphasis on development of personal responsibility, military proficiency, and leadership skills. Participation in US Air Force physical fitness tests.

**2202. The Evolution of the United States Air Force Air and Space Power (1) (S)** P: AERO 2200. Leadership, professionalism, and ethical behavior as related to environment and role of US Air Force officer. Quality principles, techniques, and written and oral communication skills.

**2203. Leadership Lab (1) (S)** 2 lab hours per week. P: AERO 2201; C: AERO 2202. Continued studies of environment of US Air Force officer and other subjects related to AERO 2201. Emphasis on development of sense of responsibility, operation of the cadet corps, and leadership skills in preparation for field training. Participation in and fulfillment of US Air Force physical fitness requirements.

**3300. Air Force Leadership Studies (3) (F)** P: Consent of dept chair. Listening, speaking, and writing skills in US Air Force peculiar formats and situations. Selected concepts, principles, and theories of US Air Force leadership and management. Development of quality concepts and processes. Individual leadership skills and personal strengths and weaknesses in US Air Force environments and officer's responsibilities in counseling and feedback process.

**3301. Leadership Lab (1) (F)** 2 lab hours per week. C: AERO 3300. Leadership and management theory covered in AERO 3300 through practical application. Corps training policy and directives. Augments military drill and ceremony skills. Participation in and fulfillment of US Air Force physical fitness requirements.

**3302. Air Force Leadership Studies (3) (S)** P: AERO 3300. Further application of listening, speaking, and writing skills in US Air Force peculiar formats and situations. Officer's authority, duties, and responsibilities as subordinate leader. application and concepts of ethical behavior.

**3303. Leadership Lab (1) (S)** 2 lab hours per week. P: AERO 3301; C: AERO 3302. Advanced leadership and management experience. Emphasis on practical application of human relations in dealing with superiors, peers, and subordinates. Participation in and fulfillment of US Air Force physical fitness requirements.

**4400. National Security Affairs/Preparation for Active Duty (3) (F)** P: AERO 3302. Role and function of professional military officer in a democratic society and complex relationships involved in civil-military interactions. Framework and formulation of defense policy and strategy. Emphasis on development of communication skills.

**4401. Leadership Lab (1) (F)** 2 lab hours per week. P: AERO 3302; C: AERO 4400. Education, training and personal guidance in junior officer duties and responsibilities. Military drill and ceremony skills and experience in leadership. Participation in and fulfillment of US Air Force physical fitness requirements.

**4402. National Security Affairs/Preparation for Active Duty (3) (S)** P: AERO 4400. Continued study of framework and formation of defense policy and strategy. Military justice system and roles of US Air Force officer in today's society. Continued emphasis on development of communication skills, officerships, and ethics.



## SECTION 8: COURSES

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**4403. Leadership Lab (1) (S)** 2 lab hours per week. P: AERO 4401; C: AERO 4402. Continuation of AERO 4401. Further education and training in junior officer duties and responsibilities. Emphasis on practical leadership and management application in realistic environment and on preparation for and transition to active duty.

### **AMID: APPAREL MERCHANDISING AND INTERIOR DESIGN**

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**1135. Principles of Merchandising (3) (F,S)** Principles of merchandising as applied to textile, apparel, and interiors industries. Survey of supply, manufacture, distribution, and auxiliary industries and fashion terminology, creators, and careers.

**1180. Interior Design Fundamentals (3) (F,S)** Principles of interior design, design process, and organization of design industry. Spatial planning, interior materials and elements, and design in residential and commercial interiors. Implications of social, psychological, and cultural influences on design and function of interior spaces. Relationship between human factors and social responsibility.

**1181. Interior Design Fundamentals Laboratory (2) (F,S)** 4 lab hours per week. C: AMID 1180. Application of the elements and principles of design as it affects the environment.

**1500. Color in Interiors: Theory and Application (3) (F,S)** P: AMID 1180, 1181. Intermediate study of color in interior design. Emphasis on color theories and systems, color interaction, psychological effects of color, and practical applications.

**2003. Apparel Construction for Secondary Education (2) (SS)** C: AMID 2004. Application and evaluation of techniques in teaching fabric selection and apparel construction.

**2004. Apparel Construction for Secondary Education Laboratory (1) (SS01)** 3 lab hours per week. C: AMID 2003. Application of construction principles. Interrelationship of fabric selection, pattern selection and alteration, and garment fit.

**2034. Textiles (3) (S)** C: AMID 2035. Textile fibers and fabrics. Emphasis on quality, performance, care, and selection. Introduction to textile industry.

**2035. Textiles Laboratory (1) (F)** P: AMID 2040; C: AMID 2034. Assessment of textile fibers and fabrics as related to quality and performance.

**2040. Textiles for Interiors (3) (F)** Textile products and fabrics for interiors. Emphasis on selection, performance, and care of interior textiles.

**2239. Apparel and Human Behavior (3) (S)** Cultural, social, psychological, and economic aspects of apparel which affect selection and use of apparel by consumer.

**2350. Merchandising Strategies (3) (F)** P: AMID 1135. Introduces theories and concepts in soft goods retailing. Investigates strategic planning process in apparel and interiors retailing.

**2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (WI) (F)** Major styles of interiors from 3000 BC through mid-nineteenth century. Emphasis on influences and characteristics of styles in Italy, France, England, and North America.

**2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (WI) (S)** Major styles of interiors of late nineteenth and twentieth centuries. Emphasis on design movements, furniture and interior designers, manufacturers, and products, both nationally and internationally.

**2800. Interior Design I: Residential Design (2) (F,S) Formerly AMID 2501** P: AMID 1180, 1181. Fundamentals of spatial planning, building structure, and design. Implications of social and psychological influences on design, needs assessment, and function of interior spaces. Application and analysis of graphic presentation techniques in communicating spatial planning, systems, and design.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**2850. Interior Design II: Commercial Design (2) (F,S) Formerly AMID 2601** Fundamentals of spatial planning, building structure, and design. Implications of social and psychological influences on design, needs assessment, and function of interior spaces. Application and analysis of graphic presentation techniques in communicating spatial planning and design in nonresidential spaces.

**3001, 3002, 3003. Special Topics (1,2,3) (F,S)** May be repeated for credit with change of topic. P: Consent of instructor; may vary by topic offered. Special topics in selected areas of apparel, merchandising, and interior design. Variable titles, content, and hours.

**3050. Quality Analysis: Apparel (3) (S) Formerly AMID 2050** P: AMID 1135, 2034, 2035. Evaluates apparel construction through identification, differentiation, and analysis. Relationship between product quality and production, distribution, and consumption of apparel.

**3200. Consumer Studies in Merchandising (3) (S)** P: AMID 2350. Consumer motivation and purchasing behavior in apparel and interiors products.

**3307. Nineteenth and Twentieth Century Costume (3) (WI) (S)** P: AMID 2239. Chronological survey of development and characteristics of western dress from nineteenth century to the present.

**3350. Merchandising Analysis (3) (F,S)** P: AMID 2350. Buying, management, and operations in apparel and interiors industry, including wholesale and retail. Emphasis on analysis techniques utilized by merchandisers.

**3400. Visual Merchandising, Planning, and Operations (3) (S)** P: AMID 1135. Promotion of apparel and interior furnishings throughout production and distribution systems. Emphasis on merchandising concepts and strategies that convey product characteristics.

**3550. Materials and Specifications for Interior Design (3) (F)** P: AMID 2040; junior standing; AMID majors. Building materials and interior finishes. Emphasis on product knowledge, application, maintenance, and specification techniques.

**3600. Interior Design III: Systems (3) (F,S)** 6 lab hours per week. P: DESN 3030, 3031; junior standing; interior design major. Fundamental principles of energy-driven systems as in residential and commercial interiors. Development of graphic presentation techniques.

**3650. Kitchen and Bath Design (3) (SS)** 1 lecture and 4 lab hours per week. P: AMID 3550, 3600. Fundamentals of kitchen and bath design. Emphasis on design detailing, ergonomics considerations, and universal design criteria. Client project required.

**3700. Computer Aided Design in Interior Design (3) (F,S)** 6 lab hours per week. P: DESN 3030, 3031; junior standing; interior design major. Application of graphic presentation techniques using computer drafting programs. Problems in orthographic and three-dimensional forms in both residential and commercial interiors.

**3883. Professional Development in Merchandising (2) (F)** P: Senior merchandising majors; consent of instructor. Preparation for merchandising internship through development of management and leadership abilities.

**3999. Professional Procedures in Interior Design (2) (S)** P/C: Interior design major; COMM 2410 or 2420; all required major courses below the 4000 level. Interior design profession and support industries. Business practices such as documentation, contracting, subcontracting, bidding, and management of interior design services.

**4001, 4002, 4003. Independent Study: Apparel, Textiles, Merchandising, and Interior Design (1,2,3) (F,S)** P: Junior standing. Problems in apparel, textiles, merchandising, or interior design.

**4209. Directed Study: Research in Merchandising (3) (WI) (S)** P: Senior standing. Research methods and applications in merchandising of apparel, textile, and interior furnishing products.

**4300. Global Economics: Textiles, Apparel, and Interior Furnishing Industries (3) (WI) (F)** P: AMID 2034 or 2040; ECON 2113. Global economic issues affecting these industries and their impact on merchandising and consumption of these end-use products.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**4350. Merchandise Buying and Sourcing (3) (F,S,SS)** P: AMID 3350. Decision making in buying. Application of buying plan, sourcing alternatives, and computer in buying process.

**4500, 4501. Interior Design IV and Laboratory: Universal Design (1,2) (F,S)** 1 classroom and 4 lab hours per week. P: AMID 3600; DESN 3030; C for 4500: AMID 4501; C for 4501: AMID 4500. Barrier-free interior design for all populations. Emphasis on physical aspects of the near environment which contribute to safety, comfort, and convenience. Barrier free space planning for all populations. Development of graphic presentation techniques.

**4600, 4601. Interior Design V and Laboratory: Commercial Design (1,2) (4600:WI) (F,S)** 1 classroom and 4 lab hours per week. P: AMID 3600, 3700; C for 4600: AMID 4601; C for 4601: AMID 4600. Theories and principles of space programming applied to commercial interior design. Commercial codes and products for interiors. Planning for commercial interiors based on space programming. Specification of commercial interior products. Development of graphic presentation techniques.

**4650. Advanced Computer-Aided Design (3) (F)** P: AMID 3700. Advanced computer drafting of interior environments using two- and three-dimension and animated computer presentation. Commercial, institutional, and residential interior design problems are incorporated into course requirements.

**4700. Problems in Interiors (3) (S)** 6 lab hours per week. May be repeated for a maximum 6 s.h. P: AMID 3600, 3700. Comprehensive design process as applied to development of residential or commercial interior design problem. Development of graphic presentation techniques.

**4750. Interior Design for Adaptive Reuse (3) (WI) (SS)** 6 lab hours per week. P: AMID 3600, 3700. Synthesis of interior design knowledge and application to redesign of existing structures for contemporary use.

**4880. Interior Design Internship (3) (SS)** 200 work hours. P: AMID 3999; senior interior design major; consent of instructor. Work experience involving application of interior design knowledge and skills under direction of professional interior designer.

**4883. Merchandising Internship (3) (WI) (F,SS)** 200 work hours. P: AMID 3883; senior merchandising major; minimum cumulative 2.5 GPA; consent of instructor. Supervised work experience to enhance student's competency in merchandising through integration of theory and practice.

### AMID Banked Courses

**2301. Computer Applications in Merchandising (3)**

**2500. Interior Design I: Introduction to Spatial Composition and Design (1)**

**2600. Interior Design II: Proxemics, Behavior, and Design Process (1)**

**3207. Special Problems in Food and Nutrition (3)**

**4308. Professional Development in Merchandising, Apparel, and Textiles (3)**

**4333. Quality Analysis: Textiles (2)**

**4334. Quality Analysis Laboratory: Textiles (1)**

**5325. Costume and Textile Conservation (3)**

**5337. Tailoring (3)**

**5338. Problems in Apparel, Merchandising, and Interior Design (3)**

**5387. Interior Lighting Design (3)**

**5389. Contemporary Interpretation of Period Interiors (3)**

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## ANTH: ANTHROPOLOGY

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**1000. Introduction to Anthropology (3) (F,S,SS)** (GE:SO) Anthropological studies of human culture.

**2000. Archaeology Around the World (3) (F,S) (GE:SO)** Prehistory of major geographic regions and cultural areas of the world from origins of human culture to beginning of recorded history.

**2005. Environmental Anthropology (3) (S) (GE:SO)** Human adaptation to different environments from prehistoric to modern times.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**2010. Societies Around the World (3) (F,S,SS) (GE:SO)** Ethnographic survey of world culture areas showing similarities and variations in cultural patterns.

**2015. Introduction to Biological Anthropology (3) (WI\*) (F,S) (GE:SC)** Same as BIOL 2015 May count toward general education science requirement for all except anthropology majors. May not count toward general education social sciences requirement. RP: BIOL course. Evolutionary theory, human evolution, and formation of human variability, adaptation and genetics, and our relationship with other primates.

**2016. Biological Anthropology Laboratory (1) (F,S) (GE:SC)** Same as BIOL 2016 May not count toward general education science requirement for anthropology majors. May not count toward general education social sciences requirement. C: ANTH 2015. Laboratories in human genetics, population genetics, anthropometry, anthroposcopy, dermatoglyphics, blood pressure, blood typing, osteometry, primate taxonomy, and human evolution.

**2025. Sexual Behavior from an Anthropological Perspective (3) (F) (GE:SO)** P: Introductory ANTH, PSYC, or SOCI course or consent of instructor. Human sexual behavior from an evolutionary and cross-cultural, mainly non-western, viewpoint.

**2200. Introduction to Cultural Anthropology (3) (F,S) (GE:SO)** Nature of human culture. Emphasis on concepts and methods of cross-cultural study of human societies.

**3002. Cultures of East Asia (3) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Regions, cultures, historic development, and role in global economy of East Asia (China, Japan, Korea, and Vietnam) and Southeast Asia (Thailand, Burma, Laos, Cambodia, Philippines, Malaysia, and Indonesia).

**3003. Cultures of Africa (3) (OY) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Traditional cultures of Africa south of the Sahara.

**3004. Cultures of the South Pacific (3) (EY) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Traditional cultures of Melanesia, Micronesia, and Polynesia.

**3005. North American Indians (3) (EY) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Origin and cultural development of aboriginal peoples of North America. Survey of representative Indian populations with respect to native economic, social, and religious organization.

**3009. Motherhood of God in Asian Traditions (3) (EY) (GE:SO)** Same as RELI 3000; WOST 3000 Female representation of deities in Eastern traditions, including Hinduism, Mahayana Buddhism, and Taoism. Religious and social impact of such representation.

**3011. Hunter-Gatherer Lifeways (3) (S) (S)** P: ANTH 1000 or 2000 or 2005 or 2010 or 2200 or consent of instructor. Cross-cultural examination of hunter-gatherer lifeways using ethnographic, archaeological, and ethnoarchaeological data.

**3016. Cultures of the Caribbean (3) (S) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Archipelago and adjacent coastal regions of North, South, and Central America. Focus on multicultural history of area and its place in contemporary world culture.

**3017. Cultures of Mexico and Guatemala (3) (OY) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Indigenous peoples of Mexico and Guatemala. Emphasis on history, social institutions, belief systems, and present-day status in relation to national development.

**3018. Cultures of South and Central America (3) (EY) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Indigenous populations of lower Central and South America. Social organization, ecology, adaptation, and cultural emphasis on particular groups and contemporary trends and issues.

**3020. Primate Behavior and Social Organization (3) (GE:SO)** P: ANTH 2015, 2016; or consent of instructor. Comparative examination of prosimians, monkeys, and apes in natural and experimental situations that enhance understanding of human behavior and social organization.

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## SECTION 8: COURSES

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**3027. Human Health and Disease Ecology (3) (GE:SO)** P: ANTH 2015, 2016; or consent of instructor. Interaction between environment, behavior, and illness. Environmental niches conducive to maintenance and spread of disease. Methods of examining diseases in prehistoric societies.

**3050. Ethnographic Field Methods (3) (S)** P: ANTH 1000 or consent of instructor. Lectures, readings, and fieldwork. Application of formal and informal ethnographic research techniques.

**3077. Archaeological Methods (3) (S)** P: ANTH 2000 or consent of instructor. Basic archaeological methods and techniques in site survey, site types, excavation, recording processing, presentation, chronometry and analysis of materials.

**3111. North American Archaeology (3) (OY) (GE:SO)** P: ANTH 1000 or 2000 or consent of instructor. Culture, history, and development of prehistoric cultures of North America from earliest times to European colonization.

**3115. Caribbean Archaeology (3) (F)** P: ANTH 2000 or consent of instructor. Archaeology of Circum Caribbean area from Archaic Period to end of Colonial Period.

**3175. Archaeological Field Training (6) (SS)** 40 hours of field work per week (summer). P: ANTH 3077 or equivalent. Practical application of archaeological methods and cultural analysis in field research situations.

**3200. Women's Roles in Cross-Cultural Perspective (3) (EY) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Comparative study of cross-cultural development and diversity of women's roles.

**3252. Medical Anthropology (3) (OY) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Comparative and holistic study of cultural behavior in context of health and disease.

**4000, 4001. Selected Topics in Anthropology (3,3)** May count a maximum of 6 s.h. P: ANTH 1000; 6 s.h. in ANTH above 2999. Specialized topics and current developments.

**4025. Theory in Anthropology (3) (WI) (F)** P: ANTH 1000 or consent of instructor; RP: ANTH 3050 or 3077 or 4400, 4401. Historical development of major theoretical schools within anthropology through study of recurrent issues debated by key theorists in discipline.

**4050. Psychological Anthropology (3) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Influence of culture and social institutions on formation of social norms, individual and group personality, and cross-cultural cognitive development.

**4054. Anthropology of Religion (3) (OY) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Comparative and cross-cultural study of religion in relationship to culture and society. Emphasis on role of culture in shaping expression of religious experience.

**4225. Human Evolution (3) (GE:SO)** P: ANTH 2015, 2016; or consent of instructor. Data, methods, and theoretical problems in human evolution.

**4253. Social Anthropology (3) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Social organization. Emphasis on kinship and descent.

**4260. Cultural Ecology (3) (GE:SO)** P: ANTH 1000 or 2010 or 2200 or consent of instructor. Relationship of human populations to their environments. Basic principles and approaches of cultural ecology examined and applied to case study materials.

**4400, 4401. Human Skeletal Analysis (4,0) (S-OY) (GE:SO)** P: ANTH 2015, 2016; or consent of instructor. Analysis of human skeleton. Emphasis on techniques required for archaeological and anthropological research.

**4501, 4502, 4503. Independent Study (1,2,3) (4503: WI\*) (F,S,SS)** P: ANTH 1000; consent of instructor and dept chair. Intensive research in selected subdiscipline of anthropology.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**4550, 4551. Anthropology Honors (3,3)** P: Junior standing in ANTH; minimum cumulative 3.0 GPA and minimum 3.5 GPA in ANTH; minimum of 2.0 s.h. in ANTH; or consent of dept chair. Extensive program of carefully supervised reading and research in an area of anthropology. Written report in format of professional paper.

**5010. Advanced Archaeological Methods and Theory (3)** P: ANTH 3077 or equivalent or consent of instructor. Advanced survey of methodology relevant to analysis of archaeological cultures. Emphasis on research design, processes of culture change, and theoretical applications.

**5015. Advanced Ethnographic Methods and Theory (3)** 3 hours per week and field research projects. P: ANTH 3050 or equivalent or consent of instructor. Advanced training in ethnographic field methods and theory. Emphasis on individual and group research.

**5030. Economic Anthropology (3)** P: ANTH 2200 or consent of instructor. Production, distribution, and consumption of goods and services from an anthropological perspective. Emphasis on ways in which society and culture influence economic behaviors in underdeveloped regions.

**5065. Maritime Anthropology (3)** P: ANTH 2200 or consent of instructor. Systematic study of human adaptations to marine environments around the world from prehistoric to contemporary periods. Emphasis on cross-cultural examinations of nonindustrial societies.

**5120. Archaeology of the Southeastern US (3)** P: ANTH 2000 or consent of instructor. Intensive study of prehistoric cultures in Southeastern US. Emphasis on cultural dynamics and environmental relationships.

**5125. Historical Archaeology (3)** P: ANTH 2000 or consent of instructor. Development and practice of historical archaeology with theoretical and methodological contributions. Contemporary issues, including on-going projects in NC and Southeast.

**5126. Public Archaeology (3)** P: ANTH 2000 or consent of instructor. Pragmatic approach to archaeology beyond the academic setting, including legislative mandates, contract archaeology and public education.

**5175. Advanced Archaeological Field Training (6)** 40 hours of field research per week (summer). P: ANTH 3077 or 3175 or equivalent; or consent of instructor. Research methods applied to specific archaeological field problems.

**5201. Special Topics in Archaeology (3)** May be repeated for maximum of 6 s.h. P: Graduate standing or consent of instructor. Advanced level. Topics vary depending on student interest and current issues.

**5202. Special Topics in Cultural Anthropology (3)** May be repeated for maximum of 6 s.h. P: Graduate standing or consent of instructor. Advanced level. Topics vary depending on student interest and current issues.

**5203. Special Topics in Physical Anthropology (3)** May be repeated for maximum of 6 s.h. P: Graduate standing or consent of instructor. Advanced level. Topics vary depending on student interest and current issues.

### ANTH Banked Courses

**2020. Contemporary Human Problems and Global Issues (3)**

**3024. Heredity and Culture (3)**

**3075, 3076. Archaeological Methods and Laboratory (3,0)**

**3112. Archaeology of Mexico and Guatemala (3)**

**4252. Anthropology of Aging (3)**

### ART: ART

**1005. Design I (3) (F,S,SS) (GE:FA)** P: ART major or administrative approval. Elements and principles of design as applied to two and three dimensions.

**1015. Design II (3) (F,S,SS)** P: ART 1005, 1020 with a minimum grade of C; 1905; or administrative approval. Extension and development of content of ART 1005.

## SECTION 8: COURSES

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**1020. Drawing (3) (WI\*) (F,S,SS) (GE:FA)** P: ART major or administrative approval. Introduction to drawing in various media.

**1030. Figure Drawing (3) (F,S,SS)** P: ART 1005, 1020 with a minimum grade of C; 1905; or administrative approval. Introduction to drawing the human figure using various media.

**1905. The Dimensions of Art (3) (F,S) (GE:FA) Same as ART 1905 (Art History)** P: Art major or consent of instructor. Various ways of perceiving, discussing, and analyzing works of art.

**1906. Art History Survey (3) (F,S) (GE:FA) Same as ART 1906 (Art History; Non-Art Majors).** P: ART 1905 or 1910; or consent of instructor. History of art from prehistoric times to Renaissance.

**1907. Art History Survey (3) (F,S) (GE:FA) Same as ART 1907 (Art History; Non-Art Majors)** P: ART 1905 or 1910; or consent of instructor. History of art from Renaissance to modern times.

**2540. Intermediate Drawing (3) (F,S) Formerly ART 1040 Same as ART 2540 (Drawing)** P: ART 1015, 1030; or consent of instructor. Extension of ART 1020. Investigation of materials, media, and abstraction.

**2550. Intermediate Figure Drawing (3) (WI\*) (F,S) Formerly ART 1050 Same as ART 2550 (Drawing)** P: ART 1015, 1030; or consent of instructor. Extension of ART 1030. Investigation of drawing strategies and techniques as relevant to the human figure.

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### **ART: ART EDUCATION**

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**1001. Color and Design (3) (F,S,SS) (GE:FA)** Not open to ART majors. May not substitute for ART 1005. Color theory and design principles.

**2123. Early Experiences for the Prospective Teacher (1) (WI\*) (F,S)** Minimum of 16 hours of observations of public school art classes and related school activities plus 1 hour per week of seminar to discuss the observations.

**2870. Computers in Art Education (1) (F,S)** 1 lecture and 1 studio hour per week. P: ART 1015, 1030. Entry-level experiences in basic computer operations applicable to the art education classroom K-12.

**3850. Art in the Elementary School (3) (F,S,SS)** Not open to ART majors. P: Junior standing. Art educational philosophy, methodology, materials, processes, and specific projects for elementary classes.

**3851. Art in the Elementary School (3) (WI\*) (F,S)** P: ART major; Junior standing. Art education philosophy, methodology, materials, processes, and specific projects for elementary classes.

**3860. Classroom Participation in Art (1) (F,S)** P: Junior standing. Classroom participation in the teaching of art classes and discussion of procedures used.

**4323. Art in the Secondary School (3) (F,S)** P: Junior standing; admission to upper division. Art education philosophy, methodology, media, and techniques for junior and senior high school classes.

**4325. Internship Seminar: Issues in Art Education (0) (F,S)** P: Senior standing; admission to upper division; ART 2123, 3851, 3860, 4323; successful completion of professional education courses except ART 4850, 4870. Seminar for discussion of the issues and concerns of the internship experience.

**4850. Art Internship in Elementary Education (5) (F,S)** P: Senior standing; admission to upper division; ART 2123, 3851, 3860, 4323; successful completion of professional education courses except ART 4325, 4870. Observation and supervised teaching in elementary school classes.

**4870. Art Internship in Secondary Education (5) (F,S)** P: Senior standing; admission to upper division; ART 2123, 3851, 3860, 4323; successful completion of professional education courses except ART 4325, 4850. Observation and supervised teaching in junior and/or senior high school classes.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**5323. Art in the Secondary School (3)** P: Acceptance in MAT program. Art education philosophy, methodology, media, and techniques for teaching junior and senior high school students.

**5810. Arts and Crafts for Elementary Teachers (3)** Workshop course. Not open to ART majors. Drawing, painting, printmaking, sculpture, and craft processes suitable for elementary school classes.

**5851. Art in the Elementary School (3)** P: Acceptance in MAT program. Art education philosophy, methodology, materials, processes, and specific projects for elementary classes.

**5860. Classroom Participation in Art (1)** P: Acceptance in MAT program. Classroom practice in the teaching of art and discussion of procedures used.

**5870. Computers in Art Education (1)** P: Acceptance in MAT program. Entry-level basic computer operations applicable to the K-12 art education classroom.

## **ART: ART HISTORY**

**1905. The Dimensions of Art (3) (F,S) (GE:FA) Same as ART 1905 (Art)** P: Art major or consent of instructor. Various ways of perceiving, discussing, and analyzing works of art.

**1906. Art History Survey (3) (F,S) (GE:FA) Same as ART 1906 (Art; Art for Non-Art Majors)** P: ART 1905 or 1910; or consent of instructor. History of art from prehistoric times to Renaissance.

**1907. Art History Survey (3) (F,S) (GE:FA) Same as ART 1907 (Art; Art for Non-art majors)** P: ART 1905 or 1910; or consent of instructor. History of art from Renaissance to modern times.

**2900. History of Prints and Drawings (3)** P: ART 1906, 1907; or consent of instructor. History of printmaking and drawing from Renaissance to present.

**2910. Ancient Art History (3) (WI\*) (F,S)** P: ART 1906, 1907; or consent of instructor. Egyptian, Minoan, Mycenaean, Greek, and Roman art.

**2920. Art of the Middle Ages (3)** P: ART 1906, 1907; or consent of instructor. Early Christian, Byzantine, Carolingian, Ottonian, Romanesque, and Gothic art.

**2930. Italian Baroque Art History (3)** P: ART 1906, 1907; or consent of instructor. Seventeenth century Italian and Spanish art.

**3920. Asian Art (3) (WI\*) (F,S)** Painting, sculpture, and architecture of China, Japan, and India.

**3930. Italian Renaissance Art: 1300-1500 (3)** P: ART 1906, 1907. Painting, architecture, and sculpture in Italy from 1300-1500.

**3940. Italian Renaissance Art: 1500-1600 (3) (WI\*) (F,S)** P: ART 1906, 1907. Painting, architecture, and sculpture in Italy from 1500-1600.

**3950. Architectural History of the Middle East Before 1600 (3) (GE:FA)** P: Junior standing; ART 1905 or 1910; 1906, 1907; or consent of instructor. Architecture of ancient Babylon, Assyria, Persia, Egypt, and early Christian and early Islamic cultures of Middle East.

**3960. Art and Power in Mesoamerica (3) (WI) (F,S)** P: ART 1906, 1907. Chronological survey of major Mesoamerican cultures and how the visual arts they produce reflect aspects of religious and political power.

**3961. Native North American Art and Ritual (3) (S)** P: ART 1906, 1907. Overview of major Pre-Columbian North American cultures and how visual arts created by native artists were part of their ritual, religious, and everyday lives. Covers cultural changes due to European impact.

**3970. African Art (3) (WI\*) (F,S)** P: ART 1906, 1907; or consent of instructor. Traditional and contemporary art of west and central Africa.



## SECTION 8: COURSES

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**3975. African American Art (3) (F,S) (GE:FA) Same as ART 3975 (Non-Art Majors)** P: ART 1906, 1907; or consent of the instructor. Survey of African American art in North America from Colonial period through twentieth century. Examines works of art and craft in different media such as ceramics, wood design, textiles, graphic arts, architecture, painting, sculpture, and photography. Explores cultural impact on the production of art.

**3980. Ceramic History of North Carolina and the Southeastern United States (3) (S)** P: ART 1905 or 1910; 1906, 1907; or consent of instructor. NC ceramics from colonial times to present.

**3990. Seminar in Art History (3) (WI\*) (F) Formerly ART 4980** Required of art history majors and minors. P for nonmajor: Consent of instructor; P for major: ART 1906, 1907. Seminar in methodologies of art history.

**4900. Northern Renaissance Art History (3) (WI\*)** P: ART 1906, 1907; or consent of instructor. Northern European painting, sculpture, and architecture from 1300-1600.

**4910. Northern Baroque Art (3) (WI\*)** P: ART 1906, 1907; or consent of instructor. Painting, architecture, and sculpture in Low Countries, England, and France during seventeenth century.

**4916. Art of India (3) (WI)** P: ART 1906, 1907; or consent of instructor. Significant art periods, traditions, and artists of ancient and modern India.

**4920. Nineteenth-Century Art (3) (WI\*) (F)** P: ART 1906, 1907; or consent of instructor. Neo-classicism, romanticism, realism, impressionism, post-impressionism, and related trends of nineteenth century.

**4940. Twentieth-Century Painting and Sculpture 1900-1950 (3) (WI\*) (F)** P: ART 1906, 1907; or consent of instructor. Art movements from first half of twentieth century, including Fauvism, Futurism, Dadism, and Surrealism.

**4950. Twentieth-Century Architecture (3)** P: ART 1906, 1907; or consent of instructor. Sources and development of contemporary architecture of the world.

**4970. History of Nineteenth- and Twentieth-Century Design (3) (S) Same as ART 4970 (Non-Art Majors)** P: ART 1906, 1907; or consent of instructor. Major artists and movements in history of textile, ceramic, metal, wood, and graphic design.

**4990. Survey of Contemporary Art: 1950 to the Present (3) (F) (GE:FA) Same as ART 4990 (Non-Art Majors)** P: Junior standing; ART 1906, 1907; or consent of instructor. Art from second half of twentieth century.

**5900. Art of the United States (3)** P: ART 1906, 1907. Painting, sculpture, architecture, design, and crafts in US from colonial times to present.

**5981. Studies in Contemporary Art (3)** P: ART 1906, 1907. Selected topics in art from 1945 to present.

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### ART: ART HISTORY COURSES FOR NON-ART MAJORS

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**1906. Art History Survey (3) (F,S) (GE:FA) Same as ART 1906 (Art; Art History)** P: ART 1905 or 1910; or consent of instructor. History of art from prehistoric times to Renaissance.

**1907. Art History Survey (3) (F,S) (GE:FA) Same as ART 1907 (Art; Art History)** P: ART 1905 or 1910; or consent of instructor. History of art from Renaissance to modern times.

**1910. Art Appreciation (2) (F,S,SS) (GE:FA)** For General College student. P: Non-art major. Visual experience to enhance student's understanding and enjoyment of art.

**2905. Masterpieces and Ideas in the History of Art (3) (GE:FA)** For General College student. Not open to those who have credit for ART 1905, 1906, 1907. P: Non-ART major. Selected works from antiquity to present which have reflected, shaped, and transformed ideas and traditions in world culture.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

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**2906. West and Central African Art (3) (S) (GE:FA)** For General College student. Not open to those who have credit for ART 3970. P: Non-ART major. Art from west and central Africa examined within environmental and societal conditions which influence its production and uses.

**3975. African American Art (3) (F,S) (GE:FA) Same as ART 3975 (Art History)** P: ART 1906, 1907; or consent of the instructor. Survey of African American art in North America from Colonial period through twentieth century. Examines works of art and craft in different media such as ceramics, wood design, textiles, graphic arts, architecture, painting, sculpture, and photography. Explores cultural impact on the production of art.

**4970. History of Nineteenth- and Twentieth-Century Design (3) (S) Same as ART 4970 (Art History)** P: ART 1906, 1907; or consent of instructor. Major artists and movements in history of textile, ceramic, metal, wood, and graphic design.

**4990. Survey of Contemporary Art: 1950 to the Present (3) (F) (GE:FA) Same as ART 4990 (Art History)** P: Junior standing; ART 1906, 1907; or consent of instructor. Art from second half of twentieth century.

### **ART: CERAMICS**

**2105. Ceramics Survey (3) (F,S,SS)** P: ART 1015, 1030. Total ceramic process. Emphasis on potter's wheel.

**2115. Ceramics Studio I (3) (F,S,SS)** P: ART 2105 or consent of instructor. Clay mineralogy and development of clay body formulas. Basic pottery wheel forms.

**2125. Ceramics Studio II (3) (F,S,SS)** Glaze components and formulation. Self firing of kilns. Hand building and production pottery techniques.

**3100. Ceramics Studio III (3) (F,S,SS)** P: ART 2105 or consent of instructor. Kiln materials, design, repair, and construction. More complex hand building and pottery forms.

**3110. Ceramics Studio IV (3) (F,S,SS)** P: ART 2105 or consent of instructor. Glaze calculation theory, objectives, and application. Advanced hand building and pottery wheel problems.

**3120. Ceramics Studio V (3) (F,S,SS)** P: ART 2105 or consent of instructor. Advanced and aesthetic studies in clay.

**4100. Ceramics Studio VI (3) (F,S,SS)** P: ART 2105 or consent of instructor. Advanced and aesthetic studies in clay.

**4110. Ceramics Studio VII (3) (F,S,SS)** P: ART 2105 or consent of instructor. Advanced and aesthetic studies in clay.

**4120. Ceramics Studio VIII (3) (F,S,SS)** P: ART 2105 or consent of instructor. Advanced and aesthetic studies in clay.

**5100. Ceramics Studio IX (3)** P for graduate students: May count as an elective with consent of instructor. Senior projects in ceramic art and design. Slide portfolio requirement and senior exhibition.

**5110. Ceramics Studio X (3)** P for graduate students: May count as an elective with consent of instructor. Advanced projects in ceramic art and design.

### **ART: COMMUNICATION ARTS**

**2200. Communication Arts Survey (3) (F,S)** P: ART 1015, 1030. Basic conceptual problem solving relevant to two- and three-dimensional applied design. Emphasis on graphic, typographic, illustrative, photographic, and spatial relationships. Exploration of media and techniques.

**2210. Concepts in Communication Arts (3) (F,S,SS)** P: ART 2200 or consent of instructor. Exploration of conceptual problem solving in two- and three-dimensional applied design. Further exploration of media and techniques, including electronic environments.

**2220. Introduction to Photography (3) (F,S) Formerly ART 3220 P: ART 1015, 1030.** Basic camera techniques, darkroom procedures, and assignments. Full scope of photographic problems.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**3070. Electronic Interactive Multimedia (3) (F,S)** 2 lecture and 4 studio hours per week. P: ART 2070 or 2071 or consent of instructor. Interactive multimedia design process. Computer-based projects incorporate sound, full-motion video, and still and kinetic imagery. Users interact with information presented. Emphasis on problem-seeking/problem-solving processes.

**3200. Typography (3) (F,S)** P: ART 2070, 2210; or consent of instructor. Typographic images in historical and modern design. Emphasis on contemporary applications through digital media. Typographic function, flow, and form.

**3210. Production (3) (F,S)** P: ART 3200 or consent of instructor. Practical execution of design concepts as commercial printed media. Emphasis on use of computer for digital prepress work.

**3230. Introduction to Illustration (3) (F,S)** P: ART 2200 or consent of instructor. Illustration as communicative medium. Emphasis on media and techniques.

**3240. Illustration Media and Techniques (3) (S)** P: ART 3230 or consent of instructor. Further development of technical skills required to create effective illustration. Emphasis on wide range of media used in contemporary illustration. Introduction to computer illustration.

**3250. Introduction to Digital Photography (3) (F,S)** 2 lecture and 4 studio hours per week. P: ART 2070, 2210, 2220; or consent of instructor. Digital photography and its applications to design and fine art.

**3260. Intermediate Photography (3) (F,S)** P: ART 2220. Indepth exploration in camera work, large format camera, darkroom techniques, and visual literacy.

**3442. Products and Environments (3) (F)** P: ART 2210 or consent of instructor. User-based design principles applied to exhibit environments and furniture systems intended for repetitive production.

**4070. Advanced Interactive Media (3) (S)** 1 lecture and 4 studio hours per week. P: ART 2070, 3070; or consent of instructor. Advanced exploration of interactive media design process. Emphasis on problem-seeking/problem-solving processes.

**4200. Advanced Typography (3) (F)** P: ART 3200 or consent of instructor. Extended study of typography as related to communication design. Emphasis on informational and aesthetic concerns in professional design forum. Two- and three-dimensional problems.

**4210. Graphic Design (3) (F)** P: ART 3210 or consent of instructor. Emphasis on design, use, and application of creative visual images and concepts in communication. Two- and three-dimensional problems.

**4220. Studio Photography (3) (F)** P: ART 2220 or consent of instructor. Indepth exploration of camera, lighting, studio, and darkroom techniques as means of exploring issues in communications and aesthetics.

**4230. Intermediate Illustration (3) (F)** P: ART 3230 or consent of instructor. Advanced problems in illustration. Emphasis on graphic contexts.

**4240. Advanced Digital Photography (3) (S)** 2 lecture and 4 studio hours per week. P: ART 3210, 3250; or consent of instructor. Extended study of digital photography as related to image design and communications. Emphasis on collecting raw image data to be processed with other information.

**4250. Professional Practices in Photography (3) (F,S)** 2 lecture and 4 studio hours per week. P: ART 4220, 4240; or consent of instructor. Advanced problems in photography. Emphasis on digital and analog solutions to professional projects.

**5210. Advanced Graphic Design (3)** For students specializing in the discipline. P for undergraduate students: ART 4200 or 4210; P for graduate students: ART 4210. Advanced problems in graphic design history. Development of self-promotional materials and professional portfolio.

**5220. Advanced Photography (3)** P: ART 2220. Advanced photographic techniques, sequential problems, animation, and film.

**5230. Advanced Illustration (3)** P: ART 4230. Advanced problems in illustration. Emphasis on exploring aesthetic issues related to various forms of image making for illustrators. Development of creative professional illustration portfolio.

(VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

## **ART: COMMUNITY ARTS MANAGEMENT**

**4000. Community Arts Management (3) (F,S)** Internship. Practical experience in community arts organizations management. Public art production in music, drama, or the visual arts.

## **ART: DRAWING**

**2540. Intermediate Drawing (3) (F,S) Formerly ART 1040 Same as ART 2540 (Art)** P: ART 1015, 1030; or consent of instructor. Extension of ART 1020. Investigation of materials, media, and abstraction.

**2550. Intermediate Figure Drawing (3) (F,S) Formerly ART 1050 Same as ART 2550 (Art)** P: ART 1015, 1030; or consent of instructor. Extension of ART 1030. Investigates drawing strategies and techniques as relevant to the human figure.

**3551. Problems in Figure Drawing (3) (F)** ART 3551, 3552, 3553 should be taken in sequence after ART 2550. Arranged by instructor in consultation with student. P: ART 2550. Emphasis on representation of human figure.

**3552. Problems in Figure Drawing (3) (F)** ART 3551, 3552, 3553 should be taken in sequence after ART 2550. Arranged by instructor in consultation with student. P: ART 3551. Emphasis on representation of human figure.

**3553. Problems in Figure Drawing (3) (F)** ART 3551, 3552, 3553 should be taken in sequence after ART 2550. Arranged by instructor in consultation with student. P: ART 3552. Emphasis on representation of human figure.

**3554. Figure and the Environment (3)** ART 3554, 3555, 4551 should be taken in sequence after ART 2550. P: ART 2540. Relationship of the figure to environment. Emphasis on the figure to discover and manipulate space.

**3555. Drawing Media and Technique (3)** ART 3554, 3555, 4551 should be taken in sequence after ART 2550. P: ART 2540. Drawing and painting processes as means of pictorial investigation. Use of materials for exploring aesthetic issues related to image making.

**4551. Selected Problems in Drawing (3) (S)** ART 3554, 3555, 4551 should be taken in sequence after ART 2550. Designed by student in consultation with instructor. P: ART 3554 or 3555. Series of problems pertinent to needs and interests of student.

**5550. Advanced Figure Drawing (3)** P: ART 3553. Indepth investigation of the figure for exploring various drawing issues.

**5551. Advanced Drawing (3)** P: ART 4551. Indepth exploration of drawing as depiction, organizational device, metaphor, and object. Drawing for exploring aesthetic issues related to various forms of image making.

## **ART: FABRIC DESIGN**

**2326. Fabric Design Studio I (Silk Screen) (3) (F)** P: ART 2303. Methods of decorating fabric with silk screen printing techniques.

**2336. Fabric Design Studio II (3) (S)** P: ART 2303. Fundamentals of fabric design. Batik, tie-dye, direct dye application, and combined techniques.

**3306. Fabric Design Studio III (3) (F)** P: ART 2336. Further exploration of fabric design techniques and various dye groups.

**3316. Fabric Design Studio IV (3) (S)** P: ART 2326, 2336. Advanced printing and combined techniques applied to designing fabrics.

**4306. Fabric Design Studio V (3) (F)** P: ART 3316. Application of advanced techniques applied in fabric design. Major projects of significant scale.

**4316. Fabric Design Studio VI (3) (F,S)** P: ART 4306. Advanced fabric design. Light-sensitive materials.

**4326. Fabric Design Studio VII (3) (F,S)** P: ART 4316. Advanced creative exploration of selected fabric design processes.

**5306. Fabric Design Studio VIII (3)** P: ART 4326. Original research in nonstructural textile design.

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## SECTION 8: COURSES

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**5316. Fabric Design Studio IX (3)** P: ART 5306. Original research in nonstructural textile design.

### ART: INDEPENDENT STUDY

**3500. Independent Study (3) (F,S,SS)** P: Consent of instructor, curricular coordinator, and dean.

**3510, 3511, 3512, 3515. Directed Field Study in Studio Art (1,1,1,3)** Minimum of 35 hours of instruction at a qualified off-campus institution or program is required. May count toward studio concentration. P: ART 1015, 1030; consent of area coordinator and supervising instructor. Studio research supervised by School of Art faculty in conjunction with another structured program or institution. Strengthens competencies in areas related to programs offered by School of Art.

**4010, 4020, 4030. Work Experience in the Visual Arts and Design (3,3,3) (F,S,SS)** Minimum of 140 work and academic hours per semester for 3 s.h. credit. Maximum of 3 s.h. obtained through independent study may be applied to art elective requirements. P: Consent of curricular coordinator. Supervised work experience. Strengthens competency in areas related to programs offered by School of Art.

**5500. Independent Study (3)** P: Consent of instructor, curricular coordinator, and dean.

### ART: INTERDISCIPLINARY

**2070. Introduction to Computer-Aided Art and Design (3) (F,S,SS)** May count as 2- or 3-dimensional art elective. P: ART 1030; 1906 or 1907. Computer use for solving visual problems. Exploration of ways in which computer can augment and complement experiences in various disciplines.

**2071. Computer Graphics Orientation (1)** May count as 2- or 3-dimensional art elective. 1 lecture and 1 studio hour per week. P: ART 1030; 1906 or 1907. Entry-level experiences with cross-section of major categories of art applications available for Macintosh computer. Technical approach to image-input peripherals and image file formats. Computer presented as aid to visual thinking and planning.

**3000, 3001. Intermedia Studio I, II (3,3) (F,S,SS)** 6 contact hours per week. P: Consent of instructor. Visual art problems not geared toward specific media. Emphasis on creative problem solving. May involve various interdisciplinary activities.

### ART: METAL DESIGN

**2300. Metal Design Survey (3) (F,S,SS)** P: ART 1015, 1030. Metal as medium in solving visual problems. Historical and technical aspects of designer craftsman using metal.

**2301. Metal Design Studio I (Jewelry) (3) (S)** P: ART 2300 or consent of instructor. Design and production of jewelry.

**2311. Metal Design Studio II (Enameling) (3) (F,S)** P: ART 2300 or consent of instructor. Advanced enameling techniques employed in individually designed products.

**2321. Metal Design Studio III (Raising, Spinning, Chasing, Repousse, Forging) (3) (F,S)** P: ART 2300 or consent of instructor. Techniques of metal forming used by artist craftsman to produce individually styled objects.

**3301. Metal Design Studio IV (3)** P: ART 2300 or consent of instructor. Advanced jewelry and metal design. Basic methods of casting.

**3311. Metal Design Studio V (3) (S)** P: ART 2300 or consent of instructor. Advanced application of metal-forming techniques. Influence of traditional techniques on individually designed products.

**3321. Metal Enameling Studio II (3) (F,S)** P: ART 2311 or consent of instructor. Further development of design sensitivity and technical skills required to produce enameled objects of art.

**4301. Metal Design Studio VI (3) (F,S)** P: ART 2300 or consent of instructor. Production of individually designed products through application of casting and metal construction techniques.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

**4311. Metal Design Studio VII (3)** P: ART 2300 or consent of instructor. Design problems in contemporary materials and techniques.

**5301. Metal Design Studio VIII (3)** P for undergraduate students: ART 2300 or consent of instructor. Original research in metal design.

**5311. Metal Design Studio IX (3)** P for undergraduate students: ART 2300 or consent of instructor. Original research in metal design.

## **ART: PAINTING**

**2560. Painting Survey: Materials and Methods (3) (F,S,SS)** P: ART 1015, 1030. Extensive experimentation in studio techniques peculiar to traditional and contemporary painting problems. Emphasis on proper use of grounds, supports, and pigment characteristics. Criticism and lectures.

**2561. Painting: Composition - Design for Painting (3) (F,S,SS)** May count toward art concentration or as art elective. Required for painting concentration students. P: ART 2560. Design principles in painting. Emphasis on color structure and fundamental methods of pictorial organization.

**3560. Painting: Watercolor (3) (F)** P: ART 2560 or consent of instructor. Comprehensive analysis and use of watercolor and related liquid media in expressive painting.

**3561. Painting Studio I (3) (F,S,SS)** P: ART 2560 or consent of instructor. Focus on growth and development of individual concepts in painting. Experimentation and exploration of assigned problems. Emphasis on individual analysis and discussion of work.

**3562. Figure Painting (3) (F,S)** P: ART 2550; 2560 or consent of instructor. Human figure as primary motif in painting. Painting from model.

**3563. Painting Studio II (3) (F,S,SS)** Continuation of studio I. Emphasis on technical and aesthetic problems of painting. Individual and group criticism of work.

**3564. Advanced Figure Painting (3) (F,S)** P: ART 3562 or consent of instructor. Advanced individual study of the figure as primary motif in painting. Painting from model.

**3566. Portrait Painting (3) (S)** P: ART 2560 or consent of instructor. Individual study of human head and costumed figure as primary motif in painting. Painting from model.

**4560. Advanced Painting I (3) (F,S)** P: Acceptable portfolio review. Focus on growth and development of individual concepts in painting. Individual instruction and group criticism.

**4561. Advanced Painting II (3) (F,S)** P: Acceptable portfolio review. Orientation to student's individual strengths and interests. Emphasis on independent thinking. Individual instruction and group criticism.

**4562. Advanced Painting III (3) (F,S)** P: Acceptable portfolio review. Continuation of ART 4561. Emphasis on individual criticism.

**4563. Advanced Painting IV (3) (F,S)** P: Acceptable portfolio review. Continuation of individual growth and development. Individual and group criticism.

**4564. Advanced Painting V (3) (F,S)** P: Acceptable portfolio review. Personal directions in painting. Individual and group criticism.

**5560. Advanced Painting VI (3)** Personal direction in painting. Individual and group criticism.

**5561. Advanced Painting VII (3)** Personal direction in painting.

## SECTION 8: COURSES

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### ART: PRINTMAKING

**2010. Printmaking Survey (3) (F,S)** P: ART 1015, 1030. Broad aspects of relief, intaglio, and planographic processes.

**2020. Printmaking Workshop I (1) (S)** 2 studio hours per week. P: ART 1015, 1030; 1906 or 1907; 2010 or consent of instructor. Continued development of artistic skills. Basic black and white techniques of collagraphic process.

**2030. Printmaking Workshop II (1) (S)** 2 studio hours per week. P: ART 1015, 1030; 1906 or 1907; 2010 or consent of instructor. Continued development of artistic skills. Basic stencil techniques of silk-screen process.

**2040. Printmaking Workshop III (1) (S)** 2 studio hours per week. P: ART 2220. Continued development of artistic skills. Basic techniques of photo silk-screen process.

**2050. Printmaking Workshop IV (1) (S)** 2 studio hours per week. P: ART 2010, 2220; or consent of instructor. Continued development of artistic skills. Basic techniques of photo-intaglio process.

**2600. Printmaking Studio I (3) (F,S)** P: ART 2010 or consent of instructor. Continued development of aesthetic concerns. Basic intaglio acid techniques of line etching, aquatint, soft-ground, lift-ground, and appropriate printing procedures.

**2610. Printmaking Studio II (3) (F,S)** P: ART 2600 or consent of instructor. Continued development of aesthetic concerns. Basic intaglio non-acid techniques of drypoint, engraving, mezzotint, and appropriate printing processes. Intaglio color printing techniques include multiplate, stenciled color, and one-plate printing methods. Etching techniques from ART 2600 employed to make plates for color printing.

**3600. Printmaking Studio III (3) (F,S)** P: ART 2010 or consent of instructor. Continued development of aesthetic concerns. Basic processes of lithography. Printing surface preparation, elementary drawing techniques, and printing.

**3610. Printmaking Studio IV (3) (F,S)** P: ART 3600 or consent of instructor. Continued development of aesthetic concerns. Several advanced processes employed in lithography. Include color printing, transfer media, and introduction of other print media.

**4600. Printmaking Studio V (3) (F,S)** P: ART 2010, 3610; or consent of instructor. In-depth investigation of a printmaking process. Emphasis on aesthetic and technical considerations.

**4610. Printmaking Studio VI (3) (F,S)** P: ART 2010, 4600; or consent of instructor. In-depth investigation of a printmaking process. Emphasis on aesthetic and technical considerations.

**4620. Printmaking Studio VII (3) (F,S)** P: ART 2010, 4610; or consent of instructor. Initiation and development of a series of prints to be resolved as folio or fine book.

**4630. Printmaking Studio VIII (3) (F,S)** P: ART 2010, 4620; or consent of instructor. Continuation of ART 4620.

**4640. Printmaking Studio IX (3) (F,S)** P: ART 2010, 4630; or consent of instructor. Continuation of ART 4630. Completion of folio or book.

**5610. Printmaking Studio X (3)** Independent investigation of specific problems in printmaking.

### ART: SCULPTURE

**2705. Sculpture Survey (3) (F,S,SS)** P: ART 1015, 1030. Methods, materials, and styles of sculpture.

**2715. Sculpture Studio I (3) (F,S)** P: ART 2705 or consent of instructor. Subtractive techniques (stone, wood, and plaster) as sculptural problems.

**2725. Sculpture Studio II (3) (F,S)** P: ART 2715. Additive techniques (plaster, clay, wood, and steel) as sculptural problems.

**3700. Sculpture Studio III (3) (F,S)** P: ART 2725. Manipulation and substitution techniques (welding and cast metals) as sculptural problems.

(VI)=Writing Intensive; (VI\*)=Selected Sections are Writing Intensive

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**3710. Sculpture Studio IV (3) (F,S)** P: ART 3700. Advanced studio techniques in sculpture (foundry) to explore visual aesthetics.

**3720. Sculpture Studio V (3) (F,S)** P: ART 3710. Advanced studio techniques in sculpture (welded metals) to explore visual aesthetics.

**4700. Sculpture Studio VI (3) (F,S)** P: ART 3720. Advanced studio studies in sculpture to develop a personal aesthetic statement (interior scale).

**4710. Sculpture Studio VII (3) (F,S,SS)** P: ART 4700. Advanced studio studies in sculpture to develop a personal aesthetic statement (human scale).

**5700. Sculpture Studio VIII (3)** P for undergraduate students: ART 2705 or consent of instructor. Concentrated studio pursuit and development of strong personal aesthetic sculptural statement.

**5710. Sculpture Studio IX (3)** P for undergraduate students: ART 2705 or consent of instructor. Concentrated studio pursuit and development of strong personal aesthetic sculptural statement (architectural scale).

### **ART: TEXTILE DESIGN**

**2303. Textile Design Survey (3) (F,S)** P: ART 1015, 1030. Structural and nonstructural textiles. Tools and techniques of textile designer.

**2350. Off-Loom Textile Design (3)** P: ART 2303. Design with fibers using methods other than floor loom.

**3350. Advanced Off-Loom Textile Design (3)** P: ART 2350. Advanced fiber design. Employs methods other than floor loom.

### **ART: VIDEO**

**3080. Introductory Video Art (3) (F,SS)** P for art majors: ART 1015, 1030; P for nonmajor: Consent of instructor. Video for aesthetic inquiry.

### **ART: WEAVING DESIGN**

**2325. Weaving Design Studio I (3) (S)** P: ART 2303. Mechanics and operation of the loom. Basic loom-controlled techniques.

**2335. Weaving Design Studio II (3) (S)** P: ART 2325. Advanced pattern drafting, multifiber exploration, and combined basic loom-controlled techniques.

**3305. Weaving Design Studio III (3) (F,S)** P: ART 2335. Advanced application of loom controlled techniques.

**3315. Weaving Design Studio IV (3) (F,S)** P: ART 3305. Advanced techniques. Multi-layered weaves and supplemental warping methods.

**4305. Weaving Design Studio V (3) (F,S)** P: ART 3315. Advanced exploration of various loom and non-loom-controlled techniques.

**4315. Weaving Design Studio VI (3) (F,S)** P: ART 4305. Advanced exploration of various loom- and non-loom-controlled techniques.

**5305. Weaving Design Studio VII (3)** P: ART 4315. Original research in weaving and fiber design.

**5315. Weaving Design Studio VIII (3)** P: ART 5305. Original research in weaving and fiber design.



## SECTION 8: COURSES

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### ART: WOOD DESIGN

**2304. Wood Design Survey (3) (F,S)** P: ART 1015, 1030. Wood as medium in solving visual problems. Historical and technical aspects of designer craftsman using wood.

**2322. Wood Design Studio I (3) (F,S)** P: ART 2304. Application of techniques and design principles to wood as viable craft material.

**2332. Wood Design Studio II (3) (F,S)** P: ART 2304. Further and more specialized application of power tool technique to small scale objects.

**3302. Wood Design Studio III (3) (F,S)** P: ART 2304. Design with emphasis on combination of wood with various compatible materials.

**3312. Wood Design Studio IV (3) (F,S)** P: ART 2304. Increased scale regarding functional and decorative objects.

**4302. Wood Design Studio V (3) (F,S)** P: ART 2304. Furniture design and its relationship to function.

**4312. Wood Design Studio VI (3) (F,S)** P: ART 2304. Furniture as means of conceptual expression.

**4322. Wood Design Studio VII (3) (F,S)** P: ART 2304. Functional and sculptural aspects of furniture design.

**5302. Wood Design Studio VIII (3)** P for undergraduate students: ART 2304 or consent of instructor. Original research in wood design.

**5312. Wood Design Studio IX (3)** P for undergraduate students: ART 2304 or consent of instructor. Original research in wood design.

### **ART Banked Courses**

**2000. Portfolio (0)**

**2400. Environmental Design Survey (3)**

**2405. Environmental Design Graphics (3)**

**2421. Environmental Design Theory and Methodology (3)**

**2750. Product Design (3)**

**2755. Product Design (3)**

**2940. Eighteenth-Century Art (3)**

**2950. Culture and Art of Europe (6)**

**3081. Intermediate Video Art (3)**

**3413. Design and the Natural Environment (3)**

**3416. Materials and Processes of Environmental Design (3)**

**3423. Special Needs Design Seminar (3)**

**3426. Environmental Behavior and Design (3)**

**3430. Environmental Design Studio (3)**

**3431. Environmental Design Studio (3)**

**3432. Environmental Design Studio (3)**

**3440. Interior Design Studio (3)**

**3441. Interior Design Studio (3)**

**3460. Special Needs Design Studio I (3)**

**3461. Special Needs Design Studio II (3)**

**3750. Product Design (3)**

**3755. Product Design (3)**

**3900. Prehistoric Art (3)**

**3910. Primitive Art History (3)**

**4005. Interdisciplinary Three-Dimensional Design Studio for Ceramics, Wood Design, Metal Design, and Sculpture (3)**

**4006. Interdisciplinary Three-Dimensional Design Studio for Sculpture, Environmental Design, and Wood Design (3)**

**4411. Professional Practice (3)**

**4414. Computers in Environmental Design (3)**

**4420. Social and Cultural Perspectives in Design (3)**

**4421. Seminar in Contemporary Concepts (2)**

**4423, 4424. Special Topics in Environmental Design (3,3)**

**4435, 4436. Preservation, Revitalization, and Adaptive Reuse Studio (3,3)**

**4450, 4451, 4452. Interdisciplinary Environmental Design Studio (3,3,3)**

**4460. Urban Design (3)**

**4461. Comprehensive Environmental Design Studio (3)**

**4750. Product Design (3)**

**4755. Product Design (3)**

**5750. Product Design (3)**

**5755. Product Design (3)**

**5760. Product Design (3)**

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### ART Banked Courses, continued

**5820. Visual Presentations in the Classroom (3)**  
**5950. Culture and Art of Europe (6)**

**5960. Culture and Art of Mexico (6)**

### ASAS: AREA STUDIES – ASIAN STUDIES

#### ASAS Banked Courses

**3010, 3011. Field Study in Asia (3,3)**

### ASEU: AREA STUDIES – EUROPEAN STUDIES

#### ASEU Banked Courses

**3010, 3011. Field Study in Europe (3,3)**

### ASIP: ADMINISTRATIVE SERVICES AND INFORMATION PROCESSING

**1500, 1501. Electronic Information Processing I (3,0) (F,S)** 3 lecture and 1 lab hours per week. Beginning course in electronic touch keyboarding and use of information processing systems to produce text documents via a computerized delivery system.

**2000. Introduction to Computer Literacy (1) (F,S)** May not count toward the BA or BS degree. Knowledge and skills needed to satisfy basic technology competencies required to support and enhance professional productivity, information access, collaboration, and communication among educators. Word processing, spread sheets, presentations, and database

**2112. Introduction to Information Processing Technology (3) (F,S,SS)** Use of various data processing systems for business applications. Functional and operational characteristics of data processing systems.

**2212, 2213. Basic Programming for Business Applications (3,0) (F,S)** P: ASIP 2112 or equivalent. Designing and coding basic programs related to business applications for use on microcomputer.

**2311, 2312. Financial Information Systems (3,0) (F,S)** 3 lecture and 1 lab hours per week. Financial information systems procedures and problems of business organizations. Emphasis on computerized applications.

**2500, 2501. Electronic Information Processing II (3,0) (F,S)** 3 lecture and 1 lab hours per week. P: ASIP 1500 or consent of instructor. Electronic keyboarding skill building and application of detailed information processing concepts in production of documents generated through electronic delivery system.

**3220. Business Communications (3) (F,S)** All students pursuing an undergraduate business education or marketing education teacher certification option must earn a grade of C or better. P: ENGL 1200. Development of understanding of need for effective communications in business through application of basic principles of written communications to solution of specific business problems.

**3228. Administrative Management (3) (F,S)** Evolving concepts and practices of administrative management. Emphasis on handling information.

**3291, 3292, 3293, 3294. Internship: Supervised Work Experience (1,2,3,4) (F,S,SS)** Work hours for 3291: 100; for 3292: 200; for 3293: 300; for 3294: 400. May be taken in any combination for a maximum of 4 s.h. P: Consent of a dept coordinator and a minimum of 1 semester as a full-time ECU student. Strengthens competency in business education or vocational marketing and distributive education area

**3311, 3312. Financial Information Systems II (3,0) (F,S)** 3 lecture and 1 lab hours per week. P: ASIP 2311. Automated approach to accounting through use of integrated computer software.

## SECTION 8: COURSES

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**3500, 3501. Electronic Information Processing III (3,0) (F,S)** 3 lecture and 1 lab hours per week. P: ASIP 2500 or equivalent. Advanced information processing. Applications of modern-day information processing systems.

**4200, 4201. Microcomputer Business Applications (3,0) (F,S)** 3 lecture and 1 lab hours per week. P: ASIP 2500 or consent of instructor. Advanced course in use of specialized microcomputer applications software to produce business documents and reports.

**4300. Administrative Office Procedures (3) (F,S)** Role of administrative support personnel on the job.

**4500. Information Processing Systems Design (3) (F,S)** P: ASIP 2212, 2213, 2500; or equivalent. Concepts and systems in automated office environment. Preparation for decision-making roles in information processing and/or management. Emphasis on conducting feasibility studies and dealing with change.

**5200, 5201. Microcomputer Business Graphics Applications (3,0)** P: ASIP 4200 or consent of instructor. Advanced course in specialized graphics-oriented microcomputer applications software used to produce business documents, reports, brochures, newsletters, pamphlets, and other page-composition publications.

### ASIP Banked Courses

**1000. Keyboarding (1)**

**2114. Beginning Shorthand (3)**

**2116. Intermediate Shorthand (3)**

**2120. Introduction to Transcription (3)**

**3214. Advanced Shorthand (3)**

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### ASLS: AMERICAN SIGN LANGUAGE STUDIES

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**2020. Sign Language Studies I (3) (F,S,SS)** Introduction to American Sign Language vocabulary as used by deaf adults. Process of gestural-visual medium of communication, basic structure of American Sign Language, development of expressive and receptive signing skills, and basic orientation to deaf culture.

**2030. Sign Language Studies II (3) (F,S,SS)** P: ASLS 2020. Continued study of American Sign Language. Development of expressive and receptive conversational skills.

**2040. Deaf Culture and the Community (3) (F,S,SS)** Orientation to social, cultural, linguistic, and psychological effects of deafness by describing changing attitudes toward deafness and hearing-impaired persons. Historical development of education for hearing impaired. Educational, psychological, communication, vocational, and social effects of deafness on deaf individual and adaptations of individual deaf persons.

**3060. Sign Language Studies III (3) (F,S,SS)** P: ASLS 2030 or consent of the instructor. Continued study of American Sign Language. Emphasis on syntax and grammatical rules and development of expressive and receptive signing skills.

**3070. Introduction to Interpreting for the Deaf (3) (F)** P: CSDI 2030 or consent of instructor. Basic theories, principles, and practices of interpreting for deaf. Emphasis on prerequisite skills in educational interpreting. Introduction to interpreting in legal, medical, theatrical, musical, television, religious, job placement, mental health, and counseling.

**3080. Sign Language Studies IV (3) (F,S,SS)** P: ASLS 3060 or consent of instructor. Advanced study. In-depth knowledge of grammatical structure of American Sign Language. Sign fluency and comprehension.

**3090. Interpretation and Transliteration for the Deaf I (3) (S)** P: ASLS 3060, 3070; or consent of instructor. Basic interpreting and transliterating process. English and ASL texts analyzed and semantically equivalent messages generated in target language. Emphasis on development and utilization of analytic and cognitive skills.

**3091. Interpretation and Transliteration for the Deaf I (3) (S)** P: ASLA 3060, 3070; or consent of instructor. Basic interpreting and transliterating process. English and ASL texts analyzed and semantically equivalent messages generated in target language. Emphasis on development and utilization of analytic and cognitive skills.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

**3100. Interpretation/Transliteration for the Deaf II (3) (F) (P: CSDI 3080, 3090, 3091; or consent of instructor.** Focuses on interpreting process. Application of knowledge and skills to practical situations encountered in interpreting profession. Emphasis on continuing vocabulary development and accurate rendering of messages in consecutive interpreting situations.

## **BIOL: BIOLOGY**

**1030. Plants and Human Affairs (3) (F,S) (GE:SC)** May not count toward BIOL major or minor. BIOL 1051 may be taken as a lab complement. Biology of plants and their related organisms and importance throughout history.

**1050. General Biology (3) (F,S,SS) (GE:SC)** May not count toward BIOL major or minor. Molecular basis of biology, bioenergetics, control systems, reproduction and development, genetics, diversity, evolution, communication, and behavior ecosystems.

**1051. General Biology Laboratory (1) (F,S,SS) (GE:SC)** 1 3-hour lab per week. May not count toward BIOL major or minor. C: BIOL 1030 or 1050. Practical applications of biological principles.

**1060. Environmental Biology (4) (F,S,SS) (GE:SC)** May not count toward BIOL major or minor. Interrelationships of organisms with each other and with their environment and human factors. Basic ecological problems, principles, and solutions.

**1061. Environmental Biology Laboratory (1) (F,S) (GE:SC)** 1 3-hour lab or field excursion per week. May not count toward BIOL major or minor. Optional lab or field course offered to provide a more in-depth look at habitats.

**1080, 1081. General Zoology (5,0) (F) (GE:SC)** 4 lectures and 1 3-hour lab per week. Biology of major animal phyla. Emphasis on phylogeny, morphology, and physiology.

**1100, 1101. Principles of Biology I (4,0) (F,S,SS) (GE:SC)** Molecular biology, bioenergetics, cellular structure, and physiology. Molecular basis of inheritance and control of gene expression.

**1200, 1201. Principles of Biology II (4,0) (F,S,SS) (GE:SC)** Five living kingdoms and diversity that prevails in natural systems. Principles of evolution, ecology, and behavior, particularly in context of diversity.

**2015. Introduction to Biological Anthropology (3) (WI\*) (F,S) (GE:SC) Same as ANTH 2015** May count toward general education science requirement for all except ANTH majors. May not count toward general education social sciences requirement. RP: BIOL course. Evolutionary theory, human evolution, and formation of human variability, adaptation, and genetics. Relationships among primates.

**2016. Biological Anthropology Laboratory (1) (F,S) (GE:SC) Same as ANTH 2016** May count toward general education science requirement for all except ANTH majors. May not count toward general education social sciences requirement. C: BIOL 2015. Human and population genetics, anthropometry, anthroposcopy, dermatoglyphics, blood pressure, blood typing, osteometry, primate taxonomy, and human evolution.

**2110, 2111. Fundamentals of Microbiology (4,0) (F,S)** 3 lectures and 2 2-hour labs per week. May not count toward BIOL major or minor. P: BIOL 1050, 1051; or 1100, 1101; or equivalent; 8 s.h. in CHEM. General study of microorganisms and their importance to humans. Emphasis on fundamental life processes, including a brief introduction to epidemiology and immunology.

**2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (GE:SC)** P: BIOL 1050, 1051; or 1100, 1101. Functional anatomy and normal physiology of human organ systems.

**2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (GE:SC)** 3 lab hours per week. May not count toward BIOL major or minor. P/C: BIOL 2130. Principles and review of anatomy of human organ systems.

**2140, 2150. Human Physiology and Anatomy (3,3)** May not count toward general education science requirement. May not count toward BIOL major or minor. P: 1 CHEM course; P for 2150: BIOL 2140; C for 2140: BIOL 2141; C for 2150: BIOL 2151. Two-semester integrated course. Normal physiology and functional anatomy of human organ systems.

## SECTION 8: COURSES

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**2141, 2151. Human Physiology and Anatomy Laboratory (11)** 3 lab hours per week. May not count toward general education science requirement. May not count toward BIOL major or minor. P for 2151: BIOL 2141; C for 2141: BIOL 2140; C for 2151: BIOL 2150. Two-semester integrated labs. Application of anatomical and physiological concepts.

**2250. Ecology (3) (F,S,SS)** P: BIOL 1100, 1101, 1200, 1201. Structure and function of ecosystems. Relationships of environmental factors operating in different habitats to floral and faunal composition of each community.

**2251. Ecology Laboratory (1) (F,S,SS)** 3 lab hours per week. P: BIOL 1100, 1101, 1200, 1201; C: BIOL 2250. Field experiences and lab methods used to determine structure and function of ecosystems.

**2300. Principles of Genetics (3) (F,S,SS)** P: 2 BIOL courses. Emphasis on modern genetics and its application.

**3070, 3071. Survey of Plants and Fungi (4,0)** May receive credit for one of the following sequences: BIOL 1070, 1071; 3070, 3071. P: 3 s.h. of science with a lab. Plants and fungi with emphasis on evolutionary patterns in structure, reproduction, and ecological function.

**3100, 3101. Basic Laboratory Methods for Biotechnology (3,0) (F,SS)** 1 lecture and 4 lab hours per week. P: BIOL 2300; CHEM 1160, 1161. Practical basic training in lab techniques generally applicable to molecular biology, cell biology, biochemistry, genetics, and microbiology.

**3220, 3221. Microbiology (4,0) (F)** 3 lectures and 2 2-hour labs per week. P: BIOL 1200, 1201; organic CHEM course. Structure, physiology, disease, environmental relationships, and molecular biology of microbes.

**3230, 3231. Field Botany (4,0) (F,S,SS)** P: 3 s.h. of general BIOL with a lab. Plant identification and interactions of plants with their chemical, physical, and living environments. Emphasis on recognition of common vascular elements of local flora and major plant communities of coastal NC.

**3240, 3241. Field Zoology (4,0) (F)** P: BIOL 1060 or 2250. Methods and principles in zoological field study. Focus on local NC vertebrate fauna.

**3310, 3311. Cellular Physiology (4,0) (F,S,SS)** 3 lectures and 1 3-hour lab per week. P: Organic CHEM or BIOC course. Structure and function of cells. Emphasis on physico-chemical aspects. Current status of major problems such as gene function, photosynthesis, contraction, active transport, and nerve cell function.

**3320. Principles of Animal Physiology (3) (F,S,SS)** P: 2000-level organic CHEM or BIOC course. Introduction to concepts of animal physiology.

**3321. Principles of Animal Physiology Laboratory (1) (F,S,SS)** C: BIOL 3320. Lab to accompany BIOL 3320.

**3400, 3401. Biological Field Studies of the Coastal Plain (3,0)** 2 lecture and 3 lab hours per week. P: 2 courses in BIOL or GEOL or consent of instructor. Current status and change initiated by nature and man. Field trips and field projects important.

**3520. Biological Evolution (3) (F)** P: BIOL 2300 or consent of instructor. Evolution from a biological standpoint. Relationships of evolutionary theory and reciprocal impact on ecology, genetics, diversity, and biogeography. Speciation, selection, and populations.

**3550. Biology Honors (1) (WI) (F,S,SS)** Conferences with staff as needed. May be repeated once for a maximum of 2 s.h. Student taking this course will normally be expected to take BIOL 4550. P: Faculty invitation. Seminar and research.

**3660. Introduction to Marine Biology (3) (F,S,SS)** A coastal field trip, at student's expense, required. P/C: BIOL 2250, 2251. Ocean habitats and marine plants and animals that comprise various marine ecosystems.

**3661. Introduction to Marine Biology Laboratory (1) (F,S)** 3 lab hours per week. C: BIOL 3660. Exercises examine physical and chemical properties of ocean waters and representative marine organisms.

**4040. Human Genetics (3)** P: BIOL 2300. Concepts of Mendelian and molecular genetics as applied to inheritance of human genetic disorders.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

- 4050, 4051. Comparative Anatomy (4,0) (F)** 2 lectures and 2 3-hour labs per week. P: 6 s.h. in BIOL. Structure and relationship of vertebrate animals. Emphasis on phylogeny of organ systems.
- 4060, 4061. Embryology (4,0)** 3 lectures and 1 3-hour lab per week. P: BIOL 2300. Early developmental processes of anatomical and physiological significance. Emphasis on developmental stages of frog, chick, and mammalian embryos.
- 4200, 4201. Population and Community Ecology (4,0) (4200:WI) (S)** P: BIOL 2250, 2251, 2300; CHEM 1150, 1151; RP: CHEM 1160, 1161; MATH 2121 or statistics course. Organization of populations and communities. Emphasis on interactions among organisms and their environments and how these structure populations and communities.
- 4220. Microbes and Immunity (3) (S,SS)** P: BIOL 2110, 2111; or 3220, 3221. Interaction of pathogenic microbes such as bacteria, viruses, fungi, and parasites with human defense system.
- 4300, 4301. Ecosystem Ecology (4,0) (WI) (F)** P: BIOL 2250, 2251. In-depth examination of ecosystem processes. Primary production, decomposition, and nutrient cycling as influenced by biotic and environmental controls in terrestrial, aquatic, and wetland ecosystems.
- 4400. Terrestrial Field Ecology (4) (SS)** 2 lecture and 6 lab or fieldwork hours per week. Field and lab work at an off-campus research site may involve additional costs. P: 1 statistics course: BIOL 2250, 2251; consent of instructor (by application). Research skills and techniques used by ecologists in freshwater and terrestrial systems in preparation for ecological research at graduate level.
- 4480, 4481. Cytology (2,2) (F) Formerly BIOL 5480, 5481** 2 lectures and 2 2-hour labs per week. P: BIOL 1100, 2300, 3310. Function and structural components of eukaryotic cells.
- 4500. Marine Field Ecology (4) (SS)** 2 lecture and 6 lab and/or fieldwork hours per week at an off-campus research site or field station. May involve additional costs. P: BIOL 3660, 3661; a statistic course; consent of instructor (by application). Research skills and techniques used by marine ecologists in preparation for marine and oceanographic research at graduate level.
- 4504, 4514. Research Problems in Biology (2,2) (WI, WI) (F,S,SS)** 4 hours of research-related work per week. May be repeated for maximum of 4 s.h. P: Consent of instructor. Designed to meet individual needs and interests of well-qualified undergraduate students.
- 4550. Biology Honors (2) (WI) (F,S,SS)** Conferences with staff as needed. May be repeated for maximum of 4 s.h. P: Faculty invitation. Seminar and research.
- 5070, 5071. Ornithology (4,0)** 3 lecture hours and 1 3-hour lab per week. Field trips to observe native birds in natural surroundings required. P: 8 s.h. in BIOL. Survey of birds of the world. Emphasis on ecology, evolution, and behavior: adaptive radiation, migration, flight mechanics, morphology, taxonomy, bird song, reproduction, population biology, and conservation of birds.
- 5150, 5151. Herpetology (4,0)** 3 lectures and 1 3-hour lab per week. P: 8 s.h. in BIOL. Taxonomy, anatomy, physiology, distribution, phylogeny, natural history, and ecology of reptiles and amphibians of the world. Emphasis on species of NC and Atlantic Coastal Plain.
- 5190. Immunology I (3)** 3 lectures and 1 3-hour lab per week. P: BIOL 2300, 3220, 3221. Structure, function, and genetic organization of body's defense system. Interactions of immunocompetent cells and their role in infection, disease, and autoimmunity.
- 5200, 5201. Invertebrate Zoology (4,0)** 3 lectures and 1 3-hour lab per week. P: 6 s.h. in BIOL. General comparative anatomical and physiological aspects of invertebrate groups. Emphasis on similarities, differences, and evolution.
- 5220, 5221. Limnology (4)** 3 lectures and 1 3-hour lab per week. P: BIOL 2250, 2251; or consent of instructor. Physical, chemical, and biological factors of inland waters and their influence on aquatic organisms.
- 5230, 5231. Phycology (4,0)** 3 lectures and 1 3-hour lab per week. P: BIOL 1200, 1201. Systematic survey of algae. Emphasis on their role in aquatic ecosystems. Lab employs techniques for studying algae and use of systematic keys.

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## SECTION 8: COURSES

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**5260, 5261. Microbial Ecology (4,0)** 3 lectures and 2 2-hour labs per week. P: BIOL 2250, 2251, 3220, 3221; or consent of instructor. Interactions between microorganisms and their physical, chemical, and biological environment. Microbial involvement in energy flow, nutrient cycling and intra/inter-specific interactions. Introduction to statistical analyses of biological and ecological data.

**5270. Marine Community Ecology (3)** P: BIOL 2250, 2251; or consent of instructor. Advanced examination of ecology of marine and brackish water communities based on principles of population biology and community ecology. Emphasis on current hypotheses concerning the processes structuring major communities.

**5351. Biological Processes and the Chemistry of Natural Water (2)** 6 lab hours per week. P: BIOL 2250, 2251; 2 CHEM courses; or consent of instructor. Interactions of water quality and biological processes in aquatic ecosystems.

**5370. Biological Effects of Radiation (3) Same as RONC 5370** P: BIOL 1100, 1101, 1200, 1201; or consent of instructor. Biological effects resulting from interactions of radiation and matter for scientifically and technically-oriented students.

**5400. Wetland Ecology and Management (3)** P: BIOL 2250, 2251; or consent of instructor. Marshes, swamps, bogs, fens, and other intermittently flooded ecosystems. Emphasis on classification, ecosystem processes, structure, and management of freshwater and saltwater wetlands.

**5401. Wetland Ecology Laboratory (1)** P: BIOL 2250, 2251; C: BIOL 5400. Application of methods to measure ecological properties, assess the functioning, identify plant communities, and understand landscape interaction of wetland ecosystems.

**5450, 5451. Histology (4,0)** 2 lectures and 2 2-hour labs per week. P: 4 BIOL courses. Organization of cells, tissues, and organs at microscopic level.

**5480, 5481. Cytology (2,2)** 2 lectures and 2 2-hour labs per week. P: BIOL 1100, 2300, 3310. Function and structural components of eukaryotic cells.

**5510, 5511. Transmission Electron Microscopy (4,0)** 2 lecture and 6 lab hours per week. P for undergraduate students: Senior standing as BIOL major or consent of instructor. Introduction to theory, design, and use of transmission electron microscope and to preparation of biological materials for its use.

**5520, 5521. Scanning Electron Microscopy and X-Ray Analysis (2,0)** 1 lecture and 4 lab hours per week. P for undergraduate students: Senior standing as a BIOL major or consent of instructor. Introduction to theory and techniques of scanning electron microscopy and X-Ray analysis and preparation of materials for both.

**5550, 5551. Ichthyology (4,0)** 2 lectures and 2 3-hour labs per week. Evolution and biology of major fish groups of the world. Emphasis on NC species.

**5600, 5601. Fisheries Techniques (3,0)** For biology majors interested in marine biology. Field trips and field studies are integral. 2 lectures and 1 3-hour lab or field excursion per week. P: BIOL 2250, 2251; or equivalent. Practical training in field and lab experimental methods in fisheries techniques.

**5630, 5631. Comparative Animal Physiology (4,0)** 3 lectures and 1 3-hour lab per week. P: 2 BIOL and 2 organic CHEM courses. Principles of function of organ systems of major groups of animals. Nutrition, digestion, respiration, skin and temperature control, blood and circulatory systems, excretion, the muscular-skeletal system, nervous coordination, and endocrine system.

**5640, 5641. Entomology (4,0)** 3 lectures and 1 3-hour lab per week. P: 12 s.h. BIOL. General anatomy, physiology, ecology, and classification of insects.

**5680. Current Topics in Coastal Biology (3)** P: Consent of instructor. Seminar on environmental issues in coastal biology presented by directed reading, lecture, and discussion.

**5730, 5731. Animal Physiological Ecology (4,0)** 3 lectures and 1 3-hour lab per week. P: BIOL 2250, 2251; 3310, 3311 or 3320, 3321 or 5800, 5821; or consent of instructor. Physiological adjustments and responses of animals to their environment. Consideration given to mechanisms involved and to invertebrate, vertebrate, aquatic, and terrestrial animals.

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**5740, 5741. Behavioral Ecology (4,0)** 3 lecture and 2 discussion hours per week. P: BIOL 3520 or 4200, 4201. Animal behavior from an evolutionary perspective. Readings from current scientific literature and weekly discussions.

**5750, 5751. Introduction to Regional Field Ecology (2,0) (5750:WI)** For science and environmental studies teachers. 20 hours of lecture and 32 hours of field trips. May not count toward MS in BIOL or molecular biology/biotechnology. Major regional ecosystems.

**5800. Principles of Biochemistry I (3)** 3 lecture hours per week. P: BIOL 3310, 3311; or consent of instructor; CHEM 2760, 2763. Intermediary metabolism, metabolic processes, and metabolic regulation of major groups of compounds in living cells.

**5810. Principles of Biochemistry II (3)** May be taken before BIOL 5800. P: BIOL 3310, 3311; or consent of instructor; CHEM 2760, 2763. Protein biochemistry. Structure and function of amino acids and proteins, including protein biosynthesis and kinetics. Structures illustrated using computer-modeling techniques.

**5821. Principles of Biochemistry Laboratory (1)** Required for biochemistry majors; recommended for biology majors. P/C for undergraduate students: BIOL 5800 or 5810. General biochemistry lab designed to complement BIOL 5800, 5810.

**5870. Molecular Genetics (3)** P: BIOL 2300; RP: BIOL 3220, 3221, 5810, 5821. Genetics of prokaryotic and eukaryotic organisms at molecular level. Structure and function of nucleic acids; replication, recombination, and repair; control of gene expression; and other related topics.

**5890. Virology (3)** P: BIOL 3100, 3101; or 5870; 3220, 3221. Plant, animal, and bacterial viruses. Emphasis on distinctive features of viruses as related to parasitism, disease, and basic research.

**5900, 5901. Biotechniques and Laboratory (2,3)** 2 1-hour lectures and 2 4-hour labs per week. P: BIOL 3100, 3101, 5870; consent of instructor; RP: BIOL 5810, 5821; C for 5901: BIOL 5900. Theory and practice of modern genetic engineering technology. Topics include DNA purification, electrophoresis, restriction mapping, use of DNA modifying enzymes, basic cloning in plasmid vectors, and strain construction by conjugation and transduction.

**5930, 5931. Microcomputer Applications in Molecular Biology (2,0)** 1 lecture and 1 3-hour lab per week. P: BIOL 3310, 3311; or 5810, 5821; or 5870. Techniques for analysis of biological characteristics of nucleic acid and protein molecules using BASIC with microcomputers.

**5950, 5951. Taxonomy of Vascular Plants (4,0)** 1 2-hour lecture and 1 4-hour lab per week. P: 12 s.h. BIOL or consent of instructor; RP: BIOL 2250, 2251. Plant importance, identification, classification, and evolution as well as how plants interact with living and nonliving environments. Field experiences emphasize major communities and dominant floral elements of coastal NC.

**5995. Internship (1)** 3 hours per week. May be repeated once for a maximum of 2 s.h. P: Consent of instructor. Lab experiences under direct supervision of a member of biology faculty.

### BIOL Banked Courses

**1070, 1071. General Botany (5,0)**

**2260. Cell and Developmental Biology (3)**

**2261. Cell and Developmental Biology Laboratory (1)**

**3301. Principles of Genetics Laboratory (1)**

**4720. Principles of Biology II (2)**

**5000, 5001. Radio Tracer Techniques in Biology (3,0)**

**5020, 5021. Animal Parasitology (4,0)**

**5040, 5041. Mycology (4,0)**

**5050. Applied Ecology (3)**

**5080, 5081. Plant Anatomy and Morphology (4,0)**

**5110, 5111. Plant Growth and Development (4,0)**

**5678. Biology of Aging (3)**

**5850, 5851. Biometry (3,0)**

**5860, 5861. Biological Applications of Digital Computers (3,0)**

**5880, 5881. Microbial Physiology (4,0)**

**5910, 5911. Vascular Plant Systematics (4,0)**

**5920, 5921. Vertebrate Systematics (4,0)**



## SECTION 8: COURSES

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### **BIOS: BIOSTATISTICS**

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**1500. Introduction to Biostatistics (3) (F,S)** P: MATH 1065 or equivalent or consent of instructor. Application of statistics to health field. Topics include organization and display of different types of data, elementary probability, and statistical inference for one- and two-sample problems.

**3501. Experimental Design I (3)** P: Consent of instructor. Detailed coverage of analysis of variance. Topics include analysis of variance for completely randomized, randomized block, factorial, and split plot designs; multiple comparison procedures; tests of normality and homogeneity of variance; and an introduction to general linear model.

**4371, 4372, 4373. Statistical Consulting I, II, III (1,1,1)** P for 4371: BIOS 3501 or equivalent or consent of instructor; P for 4372: BIOS 4371 or equivalent or consent of instructor; P for 4373: BIOS 4372 or equivalent or consent of instructor. Development and discussion of skills involved in statistical consulting and data analysis. Student work with instructor on several projects, which include meeting with client, conceptualizing problem, forming statistical model, analyzing data, and report writing.

**4900. Biostatistics Honors (3)** Standard topics in descriptive and inferential statistics, including methods for visualizing, summarizing, and modeling individual variables and for visualizing and modeling relationships among variables; sampling, experiments, and other source of data; significant testing and confidence intervals for means and proportions (one- and two-sample procedures).

**5010. Epidemiology for Health Professionals (3)** P: BIOS 1500 or consent of instructor. Distribution of disease in human populations and factors that influence this distribution. Emphasis on leading causes of death, evaluating health research, and utilizing epidemiologic methods.

**5450. Applied Multivariate Analysis (3)** P for undergraduate students: BIOS 3501; MATH 3256; or equivalent; or consent of instructor; P for graduate students: BIOS 5021, 5022; MATH 3256; or equivalent; or consent of instructor. Development and discussion of multivariate topics. Multivariate normal distribution, MANOVA, principal components analysis, discriminant analysis, and other related topics.

**5500. Nonparametric Statistical Methods (3)** P for undergraduate students: BIOS 3501 or consent of instructor; P for graduate students: A statistics course; consent of instructor. Application of nonparametric methods for various problems in statistical analysis. Procedures based on randomization and ranks.

### **BIOS Banked Courses**

**2001. Biostatistical Methods I (3)**

**2002. Biostatistical Methods II (3)**

**3502. Experimental Design II (3)**

**3511. Applied Regression Analysis (3)**

**4200. Sampling Techniques (3)**

**4810. Applied Time Series (3)**

**5300. Advanced Epidemiologic Design and Analysis (3)**

**5350. Application of Statistical Methods in Epidemiology (2)**

**5400. Research Planning in Epidemiology (3)**

**5575. Introduction to Survivorship Analysis (3)**

**5600. Categorical Data Analysis (3)**

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### **BVTE: BUSINESS, VOCATIONAL, AND TECHNICAL EDUCATION**

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**2123. Early Experiences for the Prospective Teacher (1) (F,S)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. P: 9-12 s.h. in major field and/or consent of instructor. Introduction to teaching of business, marketing, and family and consumer sciences education.

**3200. Distribution Technology I: Merchandising (3) (F)** Basic business and merchandising procedures. Emphasis on store operations, merchandising math, pricing, strategies, and inventory procedures.

**3301. Distribution Technology II: Promotion (3) (F)** P: ECON 2113. Technical promotional problems of concern to distribution supervisory personnel.

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**3302. Distribution Technology III: Selling (3) (F,S)** Basic business and selling procedures. Emphasis on selling preparation, selling techniques and procedures, and selling aids.

**4323. Methods of Teaching Workforce Preparedness Education (3) (F)** P/C: PSYC 4305 or consent of instructor. Study of methodology related to student's special interest areas. Topics include planning for instruction, group and individualized instructional techniques and strategies, instructional materials development and utilization, community resources utilization, and evaluating student progress.

**4324. Internship in Workforce Preparedness Education (10) (S)** Full-time, semester-long internship. P: Admission to upper division; C: BVTE 4325. Internship in assigned workforce preparedness education public school classroom.

**4325. Internship Seminar: Issues in Workforce Preparedness Education (0) (S)** P: Admission to upper division; C: BVTE 4324. Individualized study of problems or issues pertinent to workforce preparedness education.

**4390. Consumer Financial Management (3) (WI) (F,S)** Credit management, consumer economics, personal finance, money and banking, risk management, and small business management.

**4400. Administration and Supervision of Workforce Preparedness Education Programs (3) (S)** Organization, administration, and supervision of workforce preparedness education programs. Topics include history of workforce preparedness education programs, school-to-work transition programs, management of youth organizations, and workforce preparedness curricula.

**5205. Teaching Special Populations in Career and Technical Education (3)** P: SPED 2000 or equivalent. Emphasis on modification and development of materials, curricula, and programs for special populations in career and technical education.

**5388, 5389, 5390. Seminar in Career and Technical Education (3,3,3)** May be repeated for credit with change of topic. Problem areas of major concern in information technologies, business education, marketing education, or family and consumer sciences education.

**5500. Independent Study in Career and Technical Education (3)** P: Senior or graduate standing in marketing education. Independent study, research, and investigation in career and technical education.

**5503. Integrating Information Processing Technology into Career and Technical Education (3)** P for undergraduate students: Senior or graduate standing; consent of dept chair. Integration of information processing technology into career and technical education curricula.

### **BVTE Banked Courses**

**5301. Middle Grades Career Exploration in Marketing and Business Education (3)**

### **CDFR: CHILD DEVELOPMENT AND FAMILY RELATIONS**

**1103. Marriage and Family Relation (3) (F,S,SS)** Functional relationships in which individuals love, grow, and share through communication, sexuality and other human interrelationships.

**2000. Child Development I: Prenatal Through Early Childhood (3) (F,S,SS)** Behavior and development of children from conception to eight years of age.

**2001. Child Development II: Middle Childhood Through Young Adulthood (3) (F,S,SS)** Behavior and development of children between the ages of eight and twenty-one years.

**2021. Introduction To Child Life (1) (S)** P: Child life major. Overview of the field of child life.

**2123. Early Experience in Preschool Education (1) (F,S)** For prospective teachers. Minimum of 16 hours of directed observation and planned participation in preschool settings and 12 hours of seminar. Introduction to birth-kindergarten teaching.

## SECTION 8: COURSES

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**2124. Interaction Techniques for Working with Young Children (2) (F,S)** Requires practicum experience. P: CDFR major; C: CDFR 2123. Theory and practice in interacting with young children. Emphasis on specific techniques of interaction with and guidance of infants, toddlers, and preschool-aged children.

**2280. Introduction to Child, Family, and Community Services (3) (F)** P: CDFR 1103. Children and families from an ecological systems perspective. Emphasis given to both informal and formal sources of support.

**2290. Theory and Practice in Family and Community Services (3) (S)** P: CDFR major; CDFR 2280. Theories and applications of working within family and community organizations.

**2400. Introduction to Gerontology (3) (F,S,SS) (GE:SO) Same as GERO 2400; SOCW 2400** May count toward general education social sciences requirement and SOCI major or minor. Current theory and research in gerontology from interdisciplinary perspective.

**3002. Child in the Family (3) (F,S,SS)** Overview of child-family relationships. Emphasis on reciprocal interaction of child and family.

**3150. Introduction to Early Childhood Intervention (3) (F,S)** P: CDFR 1103, 2000. Examines concepts, principles, and applications of early childhood intervention for children from birth through five years.

**3200. Developmental and Educational Assessment of Young Children (3) (WI) (F,S)** Requires practicum experience. P: CDFR 2000, 3150. Issues and applications in early intervention and education of children birth through kindergarten, including formal and informal assessment methods and instruments.

**3413. The Hospitalized Child (3) (WI) (F)** P: Child life major; CDFR 2000, 2001; or consent of instructor. Concepts and techniques of working with children and families in hospital settings.

**4001. Community Services Internship (8) (WI) (F,S)** Minimum of 310 hours to include labs and classroom work. P: CDFR major. Observation and participation with a community agency.

**4210. Child Life Practicum (3) (F,S,SS)** 1 conference and 8 participation hours per week. P: CDFR major; CDFR 3413. Practical experiences in child life programming and care for children with medical or other special needs.

**4303. Families and Cultural Diversity (3) (F,S)** P: CDFR 1103. Comprehensive study of family diversity that occurs because of different cultural environments. Racial, ethnic, and economic differences explored with emphasis on developing an understanding and appreciation for families with differing values and beliefs.

**4306. Directing Behavior and Development of Children (3) (F,S,SS)** P: CDFR 2000. Functions and responsibilities of teachers and parents in guiding children. Review of research concerning practices and methods for directing and modifying behavior and development.

**4313. Trends and Issues in Family Studies (3) (F,SS)** P: CDFR 1103. Review of selected topics related to marriage and family relationships. Contemporary trends and issues that impact on marriage and families.

**4320. Practicum in Teaching Birth-Kindergarten in the Public Schools (1) (F,S)** To be taken simultaneously with Senior 1 internship. P: Admission to upper division. Reflective study of professional issues in early childhood education and topics arising from internship experience.

**4321. Infant and Toddler Curriculum (3) (F)** Requires practicum experience. P: CDFR 2000. Application of principles of child development in designing appropriate environments and curricula for children from birth to three years.

**4322. Preschool Methods and Materials (3) (S)** Practicum experience required. P: CDFR 3150. Application of principles of child development and preschool education in designing appropriate learning environments and curricula for children ages three to five years.

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**4323. Kindergarten Curriculum (3) (S) Same as ELEM 4323** Requires practicum experience. P: Admission to upper division; CDFR 3150. Application of principles of child development and early childhood education in designing appropriate environments and curricula for kindergarten children.

**4324. Internship in Birth Through Kindergarten Education (10) (F)** Full-time, semester-long internship. P: Admission to upper division; CDFR 3200, 4406; professional studies courses; C: CDFR 4325. Observation and supervised teaching in an assigned public school program or other approved school/center serving children birth through kindergarten.

**4325. Internship Seminar: Issues in Birth-Kindergarten Education (2) (F)** P: Admission to upper division; C: CDFR 4324. Individualized study of problems and/or issues in birth through kindergarten education.

**4366. Family Life Education (3)** P: Junior or senior standing; CDFR major. Introduction and critical analysis of family life education. Nature, history, intellectual and philosophical foundations, delivery, and evaluation of methods, materials, resources, and group processes.

**4390. Family Resource Management (3) (S)** P: CDFR major. Identification and management of family resources. Impact of decision making on families' quality of life. Effect of resource generation and allocation on family relationships and well-being at different stages of family life.

**4406. Parent-Professional Collaboration (3) (WI) (F,S,SS)** Practicum experience required. P: CDFR 1103, 3200. Collaboration between families and professionals. Emphasis on strategies, skills, and resources needed to facilitate development of young children.

**4410. Professional Seminar (1) (WI) (F)** P: Senior standing; CDFR major; consent of instructor. Development of professional practices. Topics vary.

**4415. Child Life Internship (12) (F,S,SS)** 480 total hours. P: CDFR 3413, 4210, 4996, 4997. Specialized child life experience with children and families in a hospital setting.

**4996, 4997. Child-Family Internship and Laboratory (3,0) (F,S,SS)** 1 conference and 8 lab hours per week. P: CDFR 1103, 2000, 3002; consent of instructor. Supervised practicum experience in a program serving children and/or families. Variable titles and content.

**5007. Public Policy and Legal Issues Affecting Families (3)** P: CDFR major. Current public policy and legal issues facing professionals who work with children and families.

**5300. Families, Sexuality, and Gender Roles (3)** P: CDFR 1103 or consent of instructor. Biological, cognitive, social, emotional, and cultural influences on human sexuality and gender roles within the context of relationships and families.

**5309. Infancy Intervention (3)** 2 lecture and 2 lab hours per week. P: CDFR major; CDFR 2000; or consent of instructor. Infant and toddler screening techniques for disabilities. Sequential selection and effective use of play materials. Community resources available for working with parents.

**5403. Parent Education (3)** P: Senior standing; CDFR 1103; 2000 or 2001; 3002, 4306. Strategies, skills, and resources that can assist parents and professionals who work directly with them.

**5408. Administration of Programs for Young Children (3)** Planning, organizing, and administering programs for young children.

**5411. Counseling Elders and Their Families (3)** P: GERO 2400 or consent of instructor. Interventions for age-related problem behaviors in social and family systems of elderly.

**5412. Family Crises and Resources (3)** Individual and family reactions to crises and special problems encountered in family living. Reviews individual and community resources pertinent to such problems.

**5420. Family Intervention Models (3)** P: CDFR major or admission to CDFR graduate program or consent of instructor. Selected family intervention and skill development models with opportunity for indepth study of individual theoretical approach.

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## SECTION 8: COURSES

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**5901, 5902, 5903. Readings in Aging Studies (1,2, or 3) Same as GERO 5901, 5902, 5903; SOCW 5901, 5902, 5903** May count maximum of 3 s.h. toward the baccalaureate minor in gerontology or graduate certificate in gerontology. P: Consent of instructor and chair of instructor's home unit. Selected from monographs or journals. Focus on specialized areas in which student has taken one or more courses in either baccalaureate gerontology minor or graduate gerontology certificate.

**5992, 5993. Advanced Preschool Internship (3,0)** 1 conference and 8 lab hours per week. P for undergraduate students: Consent of instructor; P for graduate students: CDFR 4306, 4322; or consent of instructor. Advanced internship experiences with preschool children and their parents.

### CDFR Banked Courses

**3100. Resource Management for the Elderly (3)**

**3210, 3211. Preschool Education (3,0)**

**4411. Professional Internship (3)**

**4998, 4999. Preschool Practicum (9,0)**

**5336. Methods of Teaching Personal and Family Living (3)**

**5392. Economic Problems (3)**

**5400. Seminar in Aging Studies (3)**

**5410. Gerontology: Developing the Living Environment (3)**

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### CHEM: CHEMISTRY

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**0150. Preparation for College Chemistry (2) (F,S,SS) (GE:SC)** 3 lectures per week. May not count toward general education science requirement. C: MATH 1065. Intensive review and study of basic chemical laws and mathematical tools needed for further study in general chemistry.

**1020. General Descriptive Chemistry (4) (F,S) (GE:SC)** May not count toward general education science requirement for science majors. General chemistry for nonscience majors.

**1120. Basic General, Organic, and Biochemistry I (4) (F,S,SS) (GE:SC)** May not count toward general education science requirement for science majors. Study of general, organic, and biochemistry and chemical applications in health professions.

**1121. Basic General, Organic, and Biochemistry Laboratory I (1) (F,S) (GE:SC)** 3 lab hours per week. C: CHEM 1120. Introduction to lab techniques in general, organic, and biochemistry.

**1130. Basic General, Organic, and Biochemistry II (3) (F,S,SS) (GE:SC)** May not count toward general education science requirement for science majors. P: CHEM 1120. Continuation of CHEM 1120.

**1131. Basic General, Organic, and Biochemistry Laboratory II (1) (F,S,SS) (GE:SC)** 3 lab hours per week. C: CHEM 1130. Continuation of CHEM 1121.

**1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (GE:SC)** For science majors. 3 lecture and 3 lab hours per week. P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150. Basic principles and laws of chemistry. Topics include measurements, reactions and stoichiometry, thermochemistry, atomic structure, periodicity bonding and molecular structure, and states of matter.

**1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (GE:SC)** 3 lecture and 3 lab hours per week. P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085. Continuation of CHEM 1150. Topics include solutions, kinetics, equilibrium, acid-base theory, thermodynamics, electrochemistry, and an introduction to organic, nuclear, and coordination chemistry.

**2711. Applications of Molecular Modeling (1) (F,S) (GE:SC)** P/C: CHEM 2750. Applications of molecular modeling will be utilized to explore relationships between molecular structure and molecular properties.

**2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI, WI) (F,S)** 3 lecture and 6 lab hours per week. P: CHEM 1160, 1161; 1 semester of organic CHEM; C for 2250: CHEM 2251; C for 2251: CHEM 2250. Theories and techniques of classical quantitative and modern instrumental analysis.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

**2650. Organic Chemistry for the Life Sciences (4) (F)** May not count toward CHEM major or minor. May not substitute as a prerequisite for CHEM 2760. P: CHEM 1160, 1161. Principles of organic chemistry Emphasis on biologically important topics.

**2651. Organic Chemistry Lab for the Life Sciences (1) (F)** 3 lab hours per week. May not count toward CHEM major or minor. May not substitute as a prerequisite for CHEM 2763. C: CHEM 2650. Organic lab techniques.

**2750. Organic Chemistry I (3) (F,S,SS)** P: CHEM 1160, 1161; C: CHEM 2753. Classes of compounds and their typical reactions, mechanisms, stereochemistry, and instrumental methods in organic chemistry.

**2753. Organic Chemistry Laboratory I (1) (F,S,SS)** 3 lab hours per week C: CHEM 2750. Organic lab techniques.

**2760. Organic Chemistry II (3) (F,S,SS)** P: CHEM 2750; C: CHEM 2763. Continuation of CHEM 2750.

**2763. Organic Chemistry Laboratory II (1) (F,S,SS)** 3 lab hours per week P: CHEM 2750, 2753; C: CHEM 2760. Continuation of CHEM 2753.

**2770. Biological Chemistry (3) (F,S) (GE:SC)** P: CHEM 2650 or 2760. Chemistry and intermediary metabolism of proteins, carbohydrates, lipids, and nucleic acids.

**2771. Biological Chemistry Laboratory (1) (F,S) (GE:SC)** 3 lab hours per week. C: CHEM 2770. Application of chemical lab techniques to study of proteins, carbohydrates, lipids, and nucleic acids.

**3450, 3451. Elementary Inorganic Chemistry and Laboratory (3,1) (WI, WI) (S)** 3 lecture and 3 lab hours per week. P: CHEM 2250, 2251; C for 3450: CHEM 3451; C for 3451: CHEM 3450. Modern chemical principles, periodic properties, and reactions of elements.

**3501, 3502, 3503. Special Topics in Chemistry (1,2,3)** May be repeated for maximum of 6 s.h. with change of topic. May not count toward general education science credit. P: CHEM 1160; consent of instructor. Selected topics of contemporary interest.

**3850, 3851. Introduction to Physical Chemistry (4,1) (WI, WI) (F)** 4 lecture and 3 lab hours per week. P: CHEM 1160, 1161; MATH 2122 or 2172; PHYS 1260, 1261; C for 3850: CHEM 3851; C for 3851: CHEM 3850. Physical chemistry for students with a limited mathematical background.

**3860, 3861. Introduction to Instrument-Computer Interfacing (2,1) Same as PHYS 3860, 3861** 2 lecture and 2 lab hours per week. P: PHYS 2360 and knowledge of a high-level computer language such as BASIC, FORTRAN, and COBOL; C for 3860: CHEM 3861; C for 3861: CHEM 3860. Introduction to interfacing and programming of scientific and industrial computers for data acquisition, data manipulation, and control of instruments and processes.

**3950, 3951. Physical Chemistry and Laboratory I (4,1) (WI, WI) (S)** 4 lecture and 3 lab hours per week. P: PHYS 1261, 2360; MATH 2173; CHEM 2250, 2251; C for 3950: CHEM 3951; C for 3951: CHEM 3950. Theoretical and mathematical treatment of fundamental laws and theories underlying science of chemistry.

**3960, 3961. Physical Chemistry and Laboratory II (4,1) (WI, WI) (F)** 4 lecture and 3 lab hours per week. P: CHEM 3950, 3951; C for 3960: CHEM 3961; C for 3961: CHEM 3960. Continuation of CHEM 3950, 3951.

**4103. Seminar (1) (F,S)** P: Junior or senior standing. Chemical literature, discussion of contemporary topics in chemistry and submission of written and oral reports on approved topics. Attendance at selected departmental seminars required.

**4505, 4506, 4507. Independent Study (1,2,3) (F,S,SS)** P: Consent of instructor and dept chair. Individual study in selected area of chemistry under immediate direction of faculty member.

**4515, 4516, 4517. Research Problems in Chemistry (1,2,3) (F,S,SS)** May be repeated for credit. May count maximum of 6 s.h. toward CHEM major. P: Consent of instructor. Advanced problems in chemistry pursued under supervision of a faculty member.

Some courses which carry general education credit are identified using the following key Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**5350, 5351. Instrumental Analysis (3,1) (WI, WI)** 3 lecture and 3 lab hours per week. P: CHEM 3960; C for 5350: CHEM 5351; C for 5351: CHEM 5350. Theory and practical uses of modern instrumental methods of chemical analysis.

**5525, 5526, 5527. Special Topics (1,2,3)** May be repeated for credit with change of topic. P: Consent of instructor. Selected topics of current interest in areas of analytical, inorganic, organic, and physical chemistry.

**5550. Advanced Inorganic Chemistry (3)** P: CHEM 3450, 3950. Study of newer theories, developments, and procedures in inorganic chemistry.

**5750. Advanced Organic Chemistry (3)** P: CHEM 2760; P/C: CHEM 3960. Physical organic topics, including aromaticity, acid/base chemistry, reactive intermediates, mechanisms of common organic reactions, and relationship between structure and reactivity.

**5760. Organic Structure Elucidation (3)** P: Consent of instructor. Application of modern instrumental methods to elucidation of structures of organic compounds, with particular regard to elucidation of complex structures from combined application of spectral tools.

**5993. Industrial Internship in Chemistry (3)** 25-30 lab hours per week. May count maximum of 3 s.h. toward CHEM major. May be repeated. P: Selection by joint Department of Chemistry/industry screening committee; CHEM 2250, 2760, 3950. Professional experience in industrial application of chemistry.

### CHEM Banked Courses

**1163. Introduction to Computer Techniques in Experimental Chemistry (1)**  
**5390. Bioanalytical Chemistry (2)**  
**5450. Industrial Chemistry (3)**

**5560. Inorganic Reaction Mechanisms (2)**  
**5950, 5951. Introduction to Nuclear Chemistry (2,1)**  
**5970. Chemical Thermodynamics (2)**

### CHIN: CHINESE

### CHIN Banked Courses

**2000, 2001. Chinese Language I, II (3,3)**

### CIET: CIVIL ENGINEERING TECHNOLOGY

**2210. Construction and Civil Materials (3) (F,S,SS)** Introductory course. Focuses on timber, concrete, masonry, composites, and steel. Covers physical characteristics, properties, and applications to construction industry.

**2242. Engineering Economics (3) (F,S)** P: MATH 1085. Numerical analysis of alternative solutions to engineering economy problems.

**3000. Industry Work Experience (0) (F,S,SS)** P: Consent of instructor. Minimum of 500 documented work hours in construction and/or design completed with a registered professional engineer, state-licensed general contractor, subcontractor, construction management company, or other instructor-approved employment.

**3236. Strength of Materials (3) (F,S)** P: CMGT 3660; MATH 2171; PHYS 2340. Concepts of stress, strain, and elastic deformation. Includes axial, torsional, flexural, and combined stresses; elongation; deflection; and column buckling.

**3238. Dynamics (3) (F or S)** P: CIET 3236. Problem-solving methods in kinematics. Includes absolute and relative motion of particles and rigid bodies, and kinetics. Solution of problems by methods of force, mass, and acceleration, work and energy, and impulse and momentum.

**3278. Hydraulics (3) (F or S)** 2 lecture and 4 lab hours per week. P: CMGT 3666, 3667; MATH 2171, 2283; PHYS 2350. Fundamental principles of hydraulics and their applications in engineering practice. Includes fundamentals of fluid flow through orifices, tubes, and pipes; in open channels; and over weirs.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

**4242. Structural Analysis and Design I (3) (F or S)** P: CIET 3238. Analytical analysis of statically indeterminate beams and trusses; design of structural components of steel and concrete and of connections. Use of building codes and design handbooks.

**4244. Structural Analysis and Design II (3) (F or S)** P: CIET 4242. Continuation of CIET 4242. Includes analysis and design of statically indeterminate structural components.

**4266. Route Surveying (4) (F or S)** 2 lecture and 4 lab hours per week. P: CMGT 3666, 3667. Highway grades, profiles, cross-section and slope staking; vertical, circular, compound and spiral curves; earthwork computations.

### **CLAS: CLASSICAL STUDIES**

**1300. Greek and Latin for Vocabulary Building (3) (F,S) (GE:HU)** No previous knowledge of Greek or Latin required. Greek and Latin elements in English, intended to increase dramatically the student's knowledge of English and command of its vocabulary.

**2000. Introduction to Classics (Humanities) (3) (GE:HU)** May receive credit for one of CLAS 2000, 2001, 2002. Civilization of classical antiquity through a survey of literature, philosophy, and art of ancient Greece and Rome.

**2001. Introduction to Classics (Social Sciences) (3) (GE:SO)** May receive credit for one of CLAS 2000, 2001, 2002. Civilization of classical antiquity through a study of history and culture of ancient Greece and Rome.

**2002. Introduction to Classics (Fine Arts) (3) (GE:FA)** May receive credit for one of CLAS 2000, 2001, 2002. Civilization of classical antiquity through a survey of art of ancient Greece and Rome. Emphasis is art-historical. Readings will include major works of literature from both cultures.

**2220. Great Works of Ancient Literature I: Greece (3) (GE:HU)** Ancient Greek literature from time of Homer to Alexander the Great. Emphasis on cultural ideals expressed in epic and lyric poetry, drama, philosophy, oratory, and history.

**2230. Great Works of Ancient Literature II: Rome (3) (GE:HU)** Roman literature from Plautus to Marcus Aurelius. Emphasis on cultural ideals expressed in its epic and lyric poetry, drama, philosophy, oratory and history.

**2400. Women in Classical Antiquity (3) (GE:HU)** Status and daily life of women in ancient Greece and Rome, of attitudes expressed toward them, and of their roles in art, archaeology and literature of ancient world through a contemporary approach.

**3400. The Ancient City: Rome (3) (F,S) (GE:HU)** Development of one of the world's great cities, Rome, from its origins to late antiquity. Use of its monuments and topography as sources for history and culture of society that produced them.

**3410. The Ancient City: Pompeii (3) (GE:HU)** Pompeii, the oldest archaeological site still under continuous excavation, from its origins to eruption of Mt. Vesuvius in 79 AD. Use of its monuments and topography as sources for history and culture of this unique Roman city.

**3460. Classical Mythology (3) (GE:HU)** Same as ENGL 3460 Major myths of ancient Greece and Rome and their impact on English and American literature.

**4000. Seminar in Classics (3)** Interdisciplinary seminar in classics on various topics to be chosen by instructors and students.

### **CLSC: CLINICAL LABORATORY SCIENCE**

**2000. Introduction to Clinical Laboratory Science (2) (F,S)** Four major areas in clinical lab: hematology, immunology, clinical chemistry, and microbiology. Function of various health professionals in these areas and career opportunities.

**3410, 3411. Hematology I Lecture and Laboratory (3,1) (F) Formerly CLSC 3110, 3111** 3 lecture and 3 lab hours per week. Formation and morphology of cellular elements of blood and hematologic findings in anemias. Lab covers manual hematologic analyses, peripheral blood and bone marrow smear evaluations from normal samples, and samples from anemias.

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## SECTION 8: COURSES

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**3420, 3421. Hematology II Lecture and Laboratory (3,1) (S) Formerly CLSC 3120, 3121** 3 lecture and 3 lab hours per week. P: CLSC 3410, 3411. Hematologic findings in hemolytic anemias, various types of infections, storage diseases, leukemias and myeloproliferative disorders, myelodysplastic syndromes, plasma cell diseases, and lymphomas. Normal hemostasis, hemostatic disorders, and lab evaluation and monitoring of hemostasis. Overview of hematology instrumentation.

**3430. Clinical Immunology (2) (F) Formerly CLSC 3130** 2 lecture hours per week. P: Consent of instructor. Basic principles. Emphasis on concepts used in clinical lab.

**3440, 3441. Clinical Microscopy and Serology Lecture and Laboratory (2,1) (SS) Formerly CLSC 3110, 3111, 3130, 3131** 2 lecture and 3 lab hours per week. P: CLSC 3430. Introduction to characteristics and methods of chemical and microscopic examination of urine and other non-blood body fluids. Basic concepts of immunology as applied to serological analyses used in clinical lab. Lab introduces basic tests and techniques used in clinical microscopy and serology.

**4001, 4002, 4003. Independent Study in Clinical Laboratory Science (1,2,3) (F,S,SS) Formerly CLSC 4000** P: Admission to CLSC program; consent of dept chair. Independent study in selected area of clinical laboratory science under the immediate direction of CLSC faculty member.

**4210, 4211. Immunohematology Lecture and Laboratory (3,1) (SS)** 3 lecture and 3 lab hours per week. P: Consent of instructor. Basic concepts. Emphasis on basic lab techniques and resolution of problems in preparation and administration of blood components.

**4430, 4431. Clinical Chemistry I (2,1) (F) Formerly CLSC 4530, 4531** 2 lecture and 3 lab hours per week. P: 4 CHEM courses; 1 statistics course; consent of instructor. Application of basic principles of analytical and biochemistry to measurement of chemical constituents in body fluids.

**4440, 4441. Clinical Chemistry II (4,2) (S) Formerly CLSC 4540, 4541** 4 lecture and 6 lab hours per week. P: CLSC 4430, 4431; or consent of instructor. Application of basic principles of analytical and biochemistry to analysis of chemical constituents in body fluids and relationship to disease states.

**4460, 4461. Clinical Microbiology I (4,2) (F) Formerly CLSC 4560, 4561** 4 lecture and 6 lab hours per week. P: BIOL 2110, 2111; or 3220, 3221; or consent of instructor. Essentials of clinical bacteriology.

**4470, 4471. Clinical Microbiology II (3,2) (S) Formerly CLSC 4550, 4551, 4570** 3 lecture and 6 lab hours per week. P: CLSC 4460, 4461; or consent of instructor. Essentials of select clinically significant bacteria (mycobacteria, chlamydia, mycoplasma, etc.), clinical mycology, and clinical virology.

**4480, 4481. Clinical Microbiology III (2,1) (SS) Formerly CLSC 4550, 4551** 2 lecture and 3 lab hours per week. P: CLSC 4470, 4471; or consent of instructor. Essentials of clinical parasitology.

**4500. Research Problems in Medical Technology (2)** P: Consent of dept chair. Individual study in selected area of CLSC under supervision of department faculty member.

**4801, 4802. Professional Practice Issues I, II (4,4) (WI, WI) (F,S) Formerly CLSC 4300, 4302, 4305, 4450** 4 lecture hours per week. P: CLSC major. Professional issues related to current practice in clinical lab science. Basic research design and statistics as applied to clinical lab, human rights protection in research, basic epidemiology, infection control monitoring, educational methodology as applied to clinical and continuing education in clinical lab science, management theories and practices as applied to the clinical lab, personnel and fiscal management of clinical lab resources, basic health care reimbursement, and research project applicable to clinical lab.

**4803. Introduction to Clinical Laboratory Information Systems (3) (S)** 3 lecture hours per week. P: CLSC major or consent of instructor.

**4992. Clinical Education: Hematology, Coagulation, Urinalysis (4) (F,S)** 256 hours in appropriate department of affiliated clinical lab. P: CLSC 3420, 3421; consent of instructor. Supervised clinical experience in hematology, coagulation, and urinalysis.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P/C, or P/C

**4993. Clinical Education: Chemistry (4) (F,S)** 256 hours in appropriate department of affiliated clinical lab. P: CLSC 4440, 4441. Supervised clinical experience in clinical chemistry.

**4994. Clinical Education: Blood Bank and Serology (4) (F,S)** 256 hours in appropriate department of affiliated clinical lab. P: CLSC 4210, 4211; consent of instructor. Supervised clinical experience in blood bank and serology.

**4997. Clinical Education: Microbiology (4) (F,S)** 240 hours in appropriate department of affiliated clinical lab. P: CLSC 4470, 4471; consent of instructor. Supervised clinical experience in clinical microbiology.

**4998. Clinical Education in Alternate Settings (3)** P: Consent of instructor. Supervised clinical experience in variety of lab settings.

### CLSC Banked Courses

**4600. Introduction to Clinical Cytology (2)**  
**4601. Introduction to Cytological Techniques (1)**  
**4610. Gynecologic Cytology (6)**  
**4611. Gynecologic Cytology Laboratory (6)**  
**4620. Cytopathology (3)**  
**4630. Cytology of Body Fluids (3)**  
**4641. Cytology of the Alimentary Tract (2)**

**4642. Urinary Tract Cytology (2)**  
**4650. Cytology of Fine Needle Aspiration (3)**  
**4660. Special Techniques in Cytology (2)**  
**4665. Seminar in Cytotechnology (2)**  
**4750. Clinical Education in Cytology I (4)**  
**4751. Clinical Education in Cytology II (5)**  
**4995, 4996. General Clinical Education (1,1)**

### CMGT: CONSTRUCTION MANAGEMENT

**2660, 2661. Construction Techniques I (3,0) (F,S,SS)** 2 lecture and 2 lab hours per week. Survey of basic theories and practices related to light residential construction.

**2664. Construction Techniques II (3) (F,S,SS)** Construction as a career. Survey of earthwork, foundations, concrete, steel, and basic building components.

**2800. Foundations of Construction (3) (F,S,SS)** 2 lecture and 4 lab hours per week. P: CIET 2210; computer-related elective. Graphical expression of construction and architectural elements through use of CAD and drafting techniques, including lettering, orthographic and isometric projection, descriptive geometry, construction document organization and preparation, and specifications.

**3000. Construction Work Experience (0) (F,S,SS)** Minimum of 500 documented hours of construction work with a state-licensed general contractor, subcontractor, construction management company or other approved employment. Required of all construction management students. P: Consent of dept chair.

**3100. Architectural Plans and Analysis (3) (F,S,SS)** 2 lecture and 2 lab hours per week. P: Minimum grade of C in CMGT 2664; CMGT 2800; MATH 1065 or 1066. Practical experience in reading and evaluating plans for commercial structures to assess design parameters, construction materials, and construction placement techniques. Emphasis on developing graphical communication.

**3660. Structural Analysis (3) (F,S,SS)** P: Minimum grade of C in CMGT 2664; MATH 1074 or 1075; PHYS 1250, 1251. Introductory course of statics, strength of materials, and structural analysis as related to stability of building's structural components. Topics include building loads resulting in compressive and tensile forces in columns, beams, and trusses; strength of components to resist such loads; analysis of components under varying load conditions; and basic design considerations of common temporary construction structures such as formwork, bracing of vertical elements, rigging for lifts, and retaining walls.

**3662. Mechanical and Electrical Construction (3) (F,S,SS)** 2 lecture and 2 lab hours per week. P: CMGT 3100; PHYS 1250, 1251. Theory and principles of plumbing, electrical, and HVAC systems in buildings. Emphasis on basic theory, climate, and shelter considerations, building materials, heat gain, mechanical systems, sound and vibration control, and lighting systems.

## SECTION 8: COURSES

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**3664. Construction Contracts and Specifications (3) (F,S,SS)** P/C: CMGT 3100. Practices and principles in use of contract documents and specifications as they apply to construction project. Emphasis on relationship to construction process and project management.

**3666, 3667. Construction Surveying (3,0) (F,S,SS)** 2 lecture and 3 lab hours per week. P: CMGT 3100; MATH 1074 or 1075. Construction aspects of surveying with field and classroom exercises in use of transit, level, tape, and related surveying equipment. Problems and exercises in traverse closure and pipeline, grading, street, curve, and building layout.

**3726. Construction Project Safety Management (3) (F,S)** P: CMGT 2660, 3100, minimum grade of C in CMGT 3664. Use of safety management as a company profit center with focus on estimating and scheduling of required safety standards as they impact the sixteen CSI divisions. Includes safety control strategies based on training, programs, and culture.

**3766, 3767. Soils and Foundations (3,0) (F,S) Formerly CMGT 2666** 2 lecture and 2 lab hours per week. P: Minimum grade of C in CMGT 2664; GEOL 1500, 1501; MATH 1074 or 1075; PHYS 1250, 1251. Fundamentals of soil mechanics as it relates to soil classification and construction of earthwork and foundations.

**4501. Laboratory Problems: Construction Management (3)** 6 lab hours per week. P: Consent of CMGT instructor. Independent study to gain further expertise in particular area of construction management.

**4502, 4503, 4504. Independent Study: Construction (1,2,3)** P: CMGT 4662; consent of dept chair. Special topics in selected areas of construction. Exploration and research in personal areas of interest.

**4505. Special Projects (1-3) (WI) (F,S,SS)** P: Consent of dept chair. Development and submittal of business and management documents that pertain to varied aspects of construction.

**4506. Laboratory Problems: Woods Processing Technology (3)** 6 lab hours per week. P: Consent of dept chair. Selected concepts and processes in woods processing technology.

**4600. Managing Building Quality (3) (WI) (F,S)** P: Minimum grade of C in CMGT 3664; ITEC 3290. Tests, inspections, and methods used to control quality of construction.

**4660. Construction Estimating (3) (F,S)** P: CMGT 3100; minimum grade of C in CMGT 3664; C: CMGT 3660. Procedures used to determine quantity of materials, manpower, and machinery needed to complete a construction project. Emphasis on classification of work, quantity survey techniques, and cost estimating of labor, materials, and equipment for a building

**4662. Construction Planning and Scheduling (3) (F,S)** P: CMGT 4660. Students with a 2.75 or higher cumulative GPA may take CMGT 4660 as a corequisite. Application of planning and scheduling techniques to a building project. Emphasis on use of bar charts and critical path method (CPM), cost allocation, schedule updating, cash flow, resource scheduling, and manpower distribution.

**4664. Construction Supervision (3) (F,S)** P: CMGT 4662. Management techniques to solve unique problems involving manpower, materials, money, and machinery for construction projects.

**4666. Equipment Management (3) (F,S,SS)** P: CMGT 3660, 3766. Productivity, performance, and maintenance requirements of construction equipment.

**5503. Independent Study: Construction (3)** May be repeated for credit with consent of dept chair. Research-oriented. Problem solving with tools, materials, and processes of construction industry.

### CMGT Banked Courses

**3101. Architectural Plans and Analysis  
Laboratory (0)**

**3663. Mechanical and Electrical Construction  
Laboratory (0)**

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

## **COAD: COUNSELOR AND ADULT EDUCATION**

**1000. Student Development and Learning in Higher Education (1) (F,S)** 2 classroom hours per week. P: Enrolled in first 2 semesters at ECU or consent of instructor. Introduction to student life at ECU. Focus on development of academic skills, learning processes, career decision-making, and personal attributes essential for student success.

**2001. Issues and Topics for Residential Advisers (2) (F,S)** P: Consent of dept chair. Training to become effective resident advisers.

**5370. Introduction to Counseling and Human Services (3)** Issues and processes of counseling services and programs. Attention given to history, philosophy, functions, and professional issues.

### **COAD Banked Courses**

**5380. The Adult Education Learning Center (3)**

## **COAS: COASTAL AND MARINE STUDIES**

**2025. Survey of Coastal and Marine Resources (3) (F)** May not be taken after receiving credit for COAS 2125. P: Basic science course in BIOL, CHEM, GEOL, or PHYS. Biological, physical, social, and historic aspects of coastal and marine resources.

**4025. Society and the Sea Seminar (3) (S)** May not be taken after receiving credit for COAS 5025, 5026. P: COAS 2025. Interdisciplinary seminar in coastal and marine resources. Research paper of senior-level quality.

**5000. Scientific Diving and Underwater Research Techniques (5)** 4 lecture and 2 lab hours per week. P: Consent of instructor. Fundamentals of scientific diving, including the use of Nitrox, specialized diving equipment, emergency procedures, sampling techniques, and a review of basic scuba diving skills.

**5001, 5002. Coastal Marine Resources Problem Analysis (3,3)** Equivalent of 60 hours of research per semester. P: Research project approved by instructor. Analysis of recognized problem in coastal marine resources in consultation with assigned faculty.

### **COAS Banked Courses**

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|---|---|
| <b>2125. Survey of the Coastal Marine Environment (2)</b> | <b>5025, 5026. Man and the Sea Seminar (1,1)</b>        |
| <b>2150. Introduction to Nautical Science (2)</b>         | <b>5050, 5051. Nautical Charts and Navigation (3,0)</b> |
| <b>2151. Nautical Science Laboratory (1)</b>              |   |

## **COHE: COMMUNITY HEALTH**

### **COHE Banked Courses**

**5460, 5461. Patient Education for Interdisciplinary Health Care Providers (3,0)**

## **COMM: COMMUNICATION**

**1001. Introduction to Communication (3) (F,S) (GE:SO)** Formerly COMM 2001; EMST 1010 Theory and processes affecting human communication, including interpersonal, small group, and organizational communication as well as theory processes, and history of mass media communication.

**1002. Media Writing (3) (WI) (F,S,SS)** Formerly COMM 2002 May not count toward general education social sciences requirement. P: ENGL 1100. Writing techniques for print, electronic mass media, public relations, and advertising.

**2030. Communication Research (3) (F,S)** Formerly COMM 3030; EMST 2030 2 classroom and 1 lab hours per week. May not count toward general education social sciences requirement. P: COMM 1001, 1002. Research methods used to measure content, process, and effects of communication on attitudes, knowledge, and behavior. Research design, data analysis, evaluation, and results presented in quantitative and qualitative research methodologies.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**2103. Multimedia Messages for Communication Professionals (3) Formerly COMM 2003** 2 lecture and 1 lab hours per week. May not count toward general education social sciences requirement. P: COMM 1001, 1002. Multimedia techniques in professional communication settings. Incorporation of text, sound, and video messages through computer technology. Emphasis on integrated message production used by communication professionals in journalism and public relations.

**2104. Public Relations and Corporate Writing (3) (WI)** May not count toward general education social sciences requirement. P: COMM 1001, 1002. Writing used by print, broadcast, on-line media. In-depth practice writing and editing corporate documents to include memos, reports, brochures, newsletter articles, backgrounders, news releases, and media kits.

**2210. Writing for the Electronic Mass Media (3) (WI) (F,S,SS) Formerly EMST 2110** P: COMM 1001, 1002. Key components of written electronic mass media. Variety of written assignments and development of comprehensive final project.

**2215. Audio Production (3) (F,S,SS) Formerly EMST 2210** P: COMM 2210. Fundamental principles and techniques of writing copy for electronic news, advertising, and promotional mass media.

**2220. Video Production (3) (F,S,SS) Formerly EMST 3310** Lecture and lab. P: COMM 2210. Basic video production techniques and equipment.

**2230. Announcing (3) (F,S,SS) Formerly EMST 2610** P: COMM 1001, 1002; consent of instructor. Development of applied speaking skills necessary for professional announcing employment.

**2250. Classic Documentaries, 1900-2000 (3)** May not count toward general education social sciences requirement. P: COMM 1001, 1002. Content, style, structure, production, purpose, and sociological impact of twentieth century long-format visual documentary in film and video from historical, theoretical, and artistic perspectives.

**2320. Basic Reporting (3) (WI) (F,S) Formerly COMM 2200; EMST 2510** May not count toward general education social sciences requirement. P: COMM 1001, 1002. Journalistic news style. Gathering, writing, and editing of news stories for print and electronic media. Emphasis on broadcast and print styles and ethical considerations.

**2400. Oral Communication (3)** May not count toward general education social sciences requirement. P: COMM 1001, 1002. Improvement of articulation and pronunciation through drills and the delivery of simple speeches. Special attention paid to development of standard American speech patterns.

**2410. Public Speaking (3) (F,S,SS) (GE:FA) Formerly SPCH 2510** Emphasis on organizing and delivering speeches for all occasions, including informative, persuasive, and ceremonial.

**2420. Business and Professional Communication (3) (F,S,SS) (GE:FA) Formerly SPCH 2520** Emphasis on developing excellent communication skills in everyday speaking, interviews, group presentations, and public speaking. Student organizes and delivers informative, persuasive, and group presentations.

**3020. Producing Electronic Mass Media Messages (3) (F,S,SS) Formerly EMST 2020** P: COMM 1001, 1002. Major descriptive elements that characterize significant electronic mass media messages. Newspapers, radio, recorded music, film, television, and Internet.

**3061, 3062, 3063, 3064. Special Topics (1,2,3,4) Formerly EMST 3901, 3902, 3903, 3904** Maximum of 6 s.h. of special topics in COMM may count toward COMM major. P: Consent of instructor. Selected topics in electronic media studies.

**3070. Multimedia Production Laboratory (3) Formerly COMM 3271** 1 lecture and 6 lab hours per week. May not count toward general education social sciences requirement. P: COMM 2103; consent of instructor. Independent practical work in multimedia production with faculty supervision.

**3110. Persuasion Theories (3) (S) Formerly COMM 3010** May not count toward general education social sciences requirement. P: COMM 1001, 1002. Persuasion as communication process. Differing aspects of source, channel(s), and receiver(s). Emphasis on contributions from behavioral theorists.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

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**3120. Public Relations Theory (3) (F,S) Formerly COMM 3440** May not count toward general education social sciences requirement. P: COMM 1001, 1002. Survey of theoretical, social, behavioral, and communicative aspects of public relations from which practice is built.

**3142. Small Group Communication (3) Formerly COMM 3570** May not count toward general education social sciences requirement. P: COMM 1001, 1002. Communication variables which influence quality of group communication. Group processes used for information exchange, problem solving, and decision making.

**3152. Interpersonal Communication Theory (3) (F) (GE:SO) Formerly COMM 3050** P: COMM 1001, 1002. Theories and concepts which explain communication in ongoing interpersonal relationships. Focus on relationship development and maintenance.

**3160. Organizational Communication Theory (3) Formerly COMM 3360** May not count toward general education social sciences requirement. P: COMM 1001, 1002. Meanings and functions of communication in organizational settings. Communication in role relationships, internal and external information system flows, and role of communication in organizational culture development and maintenance.

**3172. Media Effects (3) (F,S) (GE:SO) Formerly COMM 3615** P: COMM 1001, 1002. Effects of mass media on individuals, societies, and cultures.

**3180. Intercultural Communication (3) Formerly COMM 3080** May not count toward general education social sciences requirement. P: COMM 1001, 1002. Communication theory and practice in multicultural contexts. Impact of cultural differences on interpersonal, organizational, and international communication.

**3212. Non-News Media Features (3) Formerly EMST 3010** P: COMM 2320. Basic approaches and techniques used to design and write documentaries, investigative reports, and other media features.

**3215. Advanced Audio Production (3) (F,S) Formerly EMST 3210** P: COMM 2215. Advanced recording, production, and editing techniques for radio and recording studio applications.

**3220. Video Field Production (3) (F,S,SS) Formerly EMST 2310** P: COMM 2220. Basic video field production techniques and actual practical work in planning, shooting, and editing simple video.

**3235. Advanced Writing for Television Formats (3)** May not count toward general education social sciences requirement. P: COMM 2210, 2320, 3020. Staple formats of TV writing: TV movie, one-hour drama, thirty-minute situation comedy, documentary/biography, interview/talk show, and reality show. Examines each format's content, style, structure, and organization from historical models. Final project is to write 30-minute sitcom.

**3250. Video Post Production Techniques (3)** May not count toward general education social sciences requirement. P: COMM 3220. Advanced post production non-linear editing techniques for analog and digital video, including A/B roll editing, digital video effects, and electronic graphics.

**3275. Advanced Video Production (3) (F,S,SS) Formerly EMST 3320** P: COMM 3250. Advanced elements of video production.

**3280. Video Magazine Practicum (3) Formerly COMM 3270** 1 lecture and 6 lab hours (to be arranged) per week. May not count toward general education social sciences requirement. P: COMM 2103; consent of instructor. Lab for students working on university's video yearbook, the Treasure Chest, or other team-oriented video production projects used in public relations and journalism.

**3291, 3292, 3293. Production Practicum (1,2,3) (F,S,SS) Formerly EMST 3591, 3592, 3593** Minimum of 6 hours of practical work per week for each hour of credit. Maximum of 3 s.h. may count toward COMM major. P: COMM 1001, 1002; consent of instructor. Faculty guidance in some area of communication.

**3310. Copy Editing and Design (3) (F,S,SS) Formerly COMM 3200** May not count toward general education social sciences requirement. P: COMM 2320. Basic course in editing and layout of a variety of publications.

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## SECTION 8: COURSES

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**3311. Business and Economic Reporting (3) Formerly COMM 3211** May not count toward general education social sciences requirement. P: COMM 3320; ECON 2113. Communication students write about business and economic events.

**3320. Advanced Reporting (3) (WI) (F,S) Formerly COMM 3210; EMST 3510** May not count toward general education social sciences requirement. P: COMM 2320. Principles and techniques of in-depth newsgathering. Topics include research of individuals, business and government, computer-assisted reporting, open meetings/records laws, and media research ethics.

**3321. Investigative Reporting (3) (WI) Formerly COMM 3221** May not count toward general education social sciences requirement. P: COMM 3320. Advanced news gathering techniques for journalists. On-line database searching and off-campus trips that encourage indepth reporting.

**3325. Reporting for Visual Media (3) Formerly COMM 3225** 2 lecture and 1 lab hours per week. May not count toward general education social sciences requirement. P: COMM 2320. News gathering and reporting techniques for presentation through visual media. Examination and critical analysis of investigative reports, special events coverage, and documentary.

**3330. Feature Writing (3) Formerly COMM 3230** May not count toward general education social sciences requirement. P: COMM 3320. Study and practice in feature writing for newspapers, magazines, and special publications.

**3340. Desktop Publishing (3)** May not count toward general education social sciences requirement. P: ENGL 1200; COMM 2320. Desktop publishing techniques for print media, public relations, and advertising.

**3362. Visual Editing (3) Formerly COMM 3260** May not count toward general education social sciences requirement. P: COMM 2320; consent of instructor. Use of informational graphics in newspaper and public relations design and layout.

**3390. International News Communication (3) (S) (GE:SO) Formerly COMM 3290** P: COMM 1001, 1002. Study of world news communication systems. International news flow, news gathering agencies, foreign correspondents, theories, debates, and role of communication in global coexistence at socioeconomic and political levels.

**3400. Argumentation (3)** May not count toward general education social sciences requirement. P: COMM 1001, 1002; ENGL 1200. Argumentation as a method of critical inquiry and public advocacy. Analysis of controversies and presentation of oral arguments.

**3410. Advanced Public Speaking (3)** May not count toward general education social sciences or fine arts requirements. P: COMM 2410 or 2420. Enhances skills learned in COMM 2410 or 2420 and cements skills necessary for excellent business presentations, sales presentations, presentations to a board of directors, and after-dinner presentations. Student refines ability to plan, develop, and deliver professional presentations.

**3500. Web Design for Communication Professionals (3)** May not count toward general education social sciences requirement. P: COMM 1001, 1002; consent of instructor. Essential design and building techniques to create web pages for the World Wide Web.

**4032. Mass Media Law (3) (F,S) Formerly COMM 4610; EMST 4810** May not count toward general education social sciences requirement. P: 18 s.h. in COMM. Provides working knowledge of legal system as it relates to communication professionals. Emphasis on libel, privacy, copyright, First Amendment, and federal regulation of telecommunication industry.

**4040. Media, Culture, and Society (3) (F,S) Formerly COMM 4600; EMST 3530** May not count toward general education social sciences requirement. P: 15 hours in COMM courses or consent of instructor. Critical perspectives on interaction among the media, culture, and society.

**4050. Media Management (3) (S) Formerly EMST 4510** P: COMM 1001, 1002. Operation and management of broadcast stations and cable operations.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**4060. Special Problems in Communication (3) (F,S,SS)** May not count toward general education social sciences requirement. P: COMM 1001, 1002. Special projects, research, and independent reading for students capable of individual work under guidance of faculty adviser. Designed to fit special needs and interests of students.

**4062. Media Sales and Promotion (3) (F) Formerly EMST 4520** P: COMM 1001, 1002. Role of sales and promotion in public and commercial broadcasting, cable, and related settings. Emphasis on sales, promotion, and fund raising.

**4075. Media Criticism (3) (WI) Formerly COMM 4655; EMST 4530** May not count toward general education social sciences requirement. P: COMM 1001, 1002; or consent of instructor. Interpretive analysis of communication principles and techniques in mediated texts, such as television programs, documentaries, or print advertisements.

**4080. Senior Seminar (3) (F,S,SS)** May not count toward general education social sciences requirement. P for COMM major: Completion of 24 s.h. in COMM before registering for course. Advanced study in communication. Emphasis on contemporary issues.

**4081, 4082, 4083. Directed Independent Study (1,2,3) (F,S,SS) Formerly EMST 4981, 4982, 4983** Intermediate or advanced student. May be repeated for maximum of 6 s.h. credit. P: COMM 1001, 1002; consent of instructor. Topic not otherwise offered in curriculum or beyond or in greater depth than is possible within context of regular course.

**4091, 4092. Internship–Seminar (3,3) (F,S,SS) Formerly EMST 4991, 4992** 1 lecture and 10 lab hours per week. 140 hours of observation and practical experience. P: 18 s.h. COMM or consent of instructor. Placement in professional setting appropriate to student's area of concentration.

**4130. Conflict and Communication (3) Formerly COMM 4030** May not count toward general education social sciences requirement. P: COMM 3142 or 3152 or 3160. Role of communication in productive settlement of interpersonal and organizational disputes. Examines effective communication strategies for dispute resolution, mediation, negotiation, and bargaining.

**4135. Gender and Communication (3) (F) Formerly COMM 4035** May not count toward general education social sciences requirement. P: COMM 1001, 1002; or WOST 2000 or 2400. Role of communication in construction of gender and role of gender in social organization. Use of language and communication systems.

**4170. Directed Readings in Communication (3) (F,S,SS) Formerly COMM 4070** May not count toward general education social sciences requirement. P: COMM 1001, 1002; consent of instructor. Individually directed study.

**4180. Public Relations Strategies (3) (WI) (F,S) Formerly COMM 4440** May not count toward general education social sciences requirement. P: COMM 3120. Problem-solving strategies and principles of message design for developing public relations campaigns.

**4185. International Public Relations (3) (F) Formerly COMM 4445** May not count toward general education social sciences requirement. P: COMM 3120. Public relations as practiced outside US. Examination of reasons for international growth of public relations and exploration of opportunities for US involvement.

**4190. International Communication and the Foreign Media (3) Formerly COMM 4690** May not count toward general education social sciences requirement. P: COMM 3390. Critical survey and analysis of international communication. Emphasis on problem-solving approaches to various trends in global flow of news and information.

**4196. Senior Honors Seminar (3) Formerly COMM 4700** May not count toward general education social sciences requirement. P: Senior standing; 3.5 cumulative and major GPA; COMM 1001, 1002. Tutorially directed readings in selected area and research proposal writing.

**4199. Senior Honors Thesis (3) Formerly COMM 4705** May not count toward general education social sciences requirement. P: Minimum grade of B in COMM 4196. Tutorially directed. Implementation of research proposal generated in COMM 4700. Oral exam covers reading assignments and completed thesis.

**4210. Video Direction (3) (F,S) Formerly EMST 4410** P: COMM 3275. Analysis and practice of dramatic video direction.



## SECTION 8: COURSES

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**4220. Video Performance (3) (F,S,SS) Formerly EMST 4420** P: COMM 2230. Practical experience in techniques involved in on-camera video presentations.

**4240. International Electronic Mass Media Systems (3) Formerly EMST 4540** P: COMM 1001, 1002. Interaction of global electronic media systems with American electronic mass media.

**4250. Programming for the Electronic Media (3) Formerly EMST 4550** P: COMM 1001, 1002. Evaluating, selecting, and scheduling programs and formats of radio and television stations, cable systems, networks, and some new technologies.

**4400. Rhetorical Theory and Criticism (3)** May not count toward general education social sciences requirement. P: COMM 1001, 1002; ENGL 1200. Significant developments in rhetorical theory. Special attention to speech principles and critical analysis of contemporary public address.

**4905. Media Ethics (3) (WI)** May not count toward general education social sciences requirement. P: 18 s.h. in COMM courses or consent of instructor. Principles of moral reasoning as applied to ethical dilemmas arising in media professions.

### COMM Banked Courses

**3012. Persuasion Practicum (3)**

**3240. Photojournalism (3)**

**3580. Debate (2)**

**4233. Advising Student Publications (3)**

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### CSCI: COMPUTER SCIENCE

**1610. Elementary PASCAL (3) (F,S)** May not count toward CSCI major or minor. P: MATH 1065 or 1066 or 2127. Elementary introduction to concepts of programming in PASCAL computer language.

**2427. Discrete Mathematical Structures (3) (F,S,SS) Same as MATH 2427** May not count toward MATH major or minor. May receive credit for only one of CSCI 2427; MATH 2775, 3237. P: MATH 1065 or 1066. Structures of discrete mathematical structures. Special emphasis is given to those structures most important in computer science. Considers practical applications of the subject.

**2510. Introduction to Computer Science I (3) (F,S,SS)** P: MATH 1065 or 1066. Expression of computation or other processes as algorithms. Basic features of computer architecture and computer execution of stored programs. Concepts of computer science.

**2600. Introduction to Digital Computation (3) (S)** May not count toward CSCI major or minor. P: MATH 1065 or 1066. Emphasis on algorithmic approach to problem solving. Algorithms programmed and run on computer by all students.

**2610, 2611. Introduction to Computer Science II and Laboratory (4,0) (F,S,SS)** P: CSCI 2510; C for 2610: CSCI 2611; C for 2611: CSCI 2610. Expression of computation and other processes as algorithms and implementation of algorithms as computer programs. Students write algorithms for specific problems in contemporary high-level language, debug, and run programs on computer.

**2618. COBOL (3) (F)** P: CSCI 1610; 2600 or 2610. Basic and advanced elements of COBOL.

**3510. Data Structures (3) (F,S,SS)** P: CSCI 2610; P/C: MATH 2427. Mathematical structures generally useful in understanding and applying computer concepts.

**3526. Switching Theory and Computer Organization (3) (F,SS)** P: CSCI 2610; MATH 2427. Theory and practice of computer and computer component design. Gates and gate-level design.

**3573. Introduction to Numerical Analysis (3) (S) Same as MATH 3573** P: CSCI 2510 or 2600; MATH 2119 or 2172 or equivalent. Algorithms suitable for digital computation in areas of linear algebra, linear programming, slope finding, area finding, and nonlinear equation solution.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

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**3584. Computational Linear Algebra (3) (F,S,SS) Same as MATH 3584** May not count toward MATH major or minor. P: Calculus course. Introduces vectors, matrices, and determinants. Special emphasis on application of linear algebra to solution of practical problems.

**3601. Computer Organization and Programming (3) (F,S)** P: CSCI 3510 or 3526. Assembly language used to illustrate general machine architecture that executes assembly language command structure.

**3650. Analysis of Algorithms (3) (S,SS)** P: CSCI 3510; MATH 2427. Decision trees, mathematical induction, and adversary arguments used to analyze correctness, complexity, and optimality of algorithms. Emphasis on searching and sorting algorithms.

**3675. Organization of Programming Language (3) (F,SS)** P: CSCI 3510. Applied course in programming language constructs. Emphasis on run-time behavior of programs. Provides appropriate background for advanced-level courses involving formal and theoretical aspects of programming languages and compilation process.

**3700. Database Management Systems (3) (F)** P: CSCI 2618 or 3510. Theory and techniques of relational, hierarchical, and network database management systems.

**3800. Introduction to Computer Graphics (3) (F)** P: CSCI 3510; MATH 3256 or 3584. Computer graphics systems, hardware, interactive methods; line and curve drawing; two- and three-dimensional transformations; and perspective transformation.

**4200. Software Design and Development (3) (WI) (F,S)** P: CSCI major and CSCI 3510. Formal approach to state-of-the-art techniques in software design and development and application of the techniques.

**4510. Object-Oriented Computing and Graphical User Interfaces (3) (F,S)** P: CSCI 3510. Object-oriented program design and development and data abstraction. Object-oriented programming languages. Applications to graphical user interfaces and event-driven computing.

**4520. Introduction to Computer Architecture (3) (S)** P: CSCI major; CSCI 3526, 3601. Organization of basic elements of computer system, including processor, memory, control unit, and I/O units.

**4530. Computer Networks and the Internet (3) (S)** P: CSCI major; CSCI 3601. Theory and case studies of modern networking protocols and telecommunication methods. Local area and long-haul networks.

**4602. Theory of Automata and Linguistics (3) (F)** P: CSCI major; MATH 2427. Basic concepts of automata theory and mathematical linguistics and their close interrelationship.

**4627. Procedural Languages and Compilers (3) (S)** P: CSCI major; CSCI 3601, 3675. State of the art techniques for compiling procedural languages.

**4630. Operating Systems I (3) (SS)** P: CSCI major and CSCI 3601. Job control and operating systems. System organization, resource and storage allocation, interrupt handling, addressing techniques, file structures, and batch/time sharing systems.

**4905. Selected Topics in Computer Science (3) (WI)** May be repeated for maximum of 6 s.h. with change of topic. P: CSCI major and CSCI 3510. Consideration of new or advanced topics in computer science.

**5002. Logic for Mathematics and Computer Science (3) Same as MATH 5002** P: CSCI 3510 or MATH 2427 or 2775 or 3223 or 3256 or PHIL 3580 or equivalent. Methods of mathematical logic important in mathematics and computer science applications.

**5210. Operating Systems II (3)** P: CSCI 4630 or consent of instructor. Theory and practice of concurrent processes in computer operating systems. Process scheduling. Memory and auxiliary storage management.

**5220. Program Translation (3)** P: CSCI 4627 or consent of instructor. Formal language specification for programming languages. Advanced parsing techniques. Code generation and optimization.

## SECTION 8: COURSES

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**5501, 5502, 5503. Independent Study (1,2,3)** Minimum of 3-6 hours per week depending on the nature of the work assigned. P: CSCI 3601 or equivalent or consent of instructor. Advanced computer science students study topics that supplement the regular curriculum.

**5774. Programming for Research (3) Same as MATH 5774** For graduate student who wishes to use computer science to meet required research skills in his or her dept. May not count toward MATH major or minor. P: General statistics course or consent of instructor. Emphasis on minimum-level programming skill and use of statistical packages.

**5800. Artificial Intelligence (3)** P: CSCI 3510 or consent of instructor. Fundamental problems and techniques of artificial intelligence. Heuristic search. Concepts of expert systems.

### CSCI Banked Courses

**2901. Programming in ADA (1)**

**2902. Programming in C (1)**

**2903. Programming in FORTRAN (1)**

**3574. Numerical Analysis II (3)**

**4600. Systems Analysis (3)**

**4604. Systems Simulation (3)**

**5726. Scientific Programming (1)**

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### CSDI: SPEECH AND HEARING SCIENCES

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**2100. Introduction to Communication Disorders (3) (F,S,SS)** 3 lectures per week plus observation of speech therapy sessions. Scope, history and nature of speech-language pathology and audiology. Topics include development of language and psychology of speech and hearing impaired as well as a description of etiology, symptomatology, and treatment of major speech, hearing, and language disorders.

**3010. Phonetics (3) (F)** P: CSDI major or minor; CSDI 2100; PSYC 1000; or consent of instructor. Applied phonetics using International Phonetic Alphabet and pertinent modifications. Detailed descriptions of American English speech sounds and transcription of contextual speech representing mainstream and nonmainstream dialects. Transcription abilities developed to assess and treat speech disorders.

**3020. Language Development (3) (F)** P: CSDI major or minor; CSDI 2100; PSYC 1000; or consent of instructor. Normal acquisition and development of language from birth through preschool years, components of language, cognitive and communicative prerequisites, and language learning theories.

**3030. Speech Science: Anatomy, Physiology and Acoustics (3) (F)** 3 lecture and 1 lab hours per week. P: BIOL 1050, 1051; CSDI 2100; or consent of instructor. Anatomy, physiology, and acoustic correlates of speech production mechanisms. Central and peripheral nervous systems, respiration, phonation, resonance, and articulation.

**3050. Acquisition and Development of Phonology and Articulation (3) (S)** P: CSDI 3010, 3030; or consent of instructor. Emphasis on birth to five years and critical periods through the early teen years. Content areas include birth cry, babbling, cross linguistic and universal patterns of acquisition, morphophonology, metaphonology, historical and contemporary normative data issues, and interrelation of normal phonological development with other areas of language growth.

**3091. Interpretation/Transliteration Laboratory (1) (S)** P: ASLS 3060, 3070; or consent of instructor; C: CSDI 3090. Development and strengthening of interpretation and transliteration skills.

**3100. Interpretation/Transliteration for the Deaf II (3) (F)** P: ASLS 3080, 3090, 3091; or consent of instructor. Focus on interpreting process. Application of knowledge and skills to practical situations encountered in interpreting profession. Emphasis on continuing vocabulary development and accurate rendering of messages in consecutive interpreting situations.

**3105. Hearing Science (3) (S)** P: CSDI 3030; PHYS 1050; or consent of instructor. Basic information, including acoustics, anatomy and physiology of the ear and central auditory nervous system, and psychoacoustics.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**3990. Interpreting Internship (3) (S)** P: ASLS 3100 or consent of instructor. Observation of activities interpreted by professional in a variety of situations; weekly conferences with staff members; and participation in interpreting workshops. Actual interpreting experience under guidance of assigned staff interpreter(s). Emphasis on exposure to various interpreting techniques and settings, applying the Interpreter's Code of Ethics, and improving overall competence.

**4000. Introduction to Speech Disorders (5) (F)** P: CSDI 3050 or consent of instructor. Articulatory, phonatory, and stuttering disorders. Emphasis on etiology and incidence. Basic information presented regarding assessment, management, and parent/client counseling for these disorders.

**4020. Introduction to Language Disorders (3) (S)** P: CSDI 3010, 3020, 3030; or consent of instructor. Classification of developmental childhood language disorders of children, adolescents, and adults. Language impairments of aging. General assessment, management, and techniques.

**4100. Introduction to Audiology (3) (F)** P: CSDI 3105 or consent of instructor. Concepts related to normal hearing, causes and effects of defective hearing, and hearing testing procedures.

**4110. Aural Rehabilitation (3) (S)** P: CSDI 4100 or consent of instructor. Habilitation, rehabilitation of the hearing impaired as related to hearing aid use, speech-reading, auditory training, and total communication. Management philosophies related to children and adults.

**4335. Apprenticeship (3) (WI) (S)** 1 staffing, 1 lecture, and 3-4 lab hours per week. P: CSDI major; consent of the departmental director of undergraduate studies; minimum of 25 hours observation of treatment as administered or supervised by ASHA certified speech-language pathologists/audiologists; CSDI 3020, 4000, 4100, 5010. Development of basic clinical skills through observation and apprenticeship. Apprentice serves as assistant to graduate clinicians in management of two patients. Additional responsibilities assigned as part of experience.

**5010. Procedures in Clinical Management (3)** P for undergraduate students: CSDI major; CSDI 3020, 3050, 3105; or consent of instructor; P for graduate students: Consent of instructor. Procedures used in diagnostic and treatment of communication disorders. Topics include observation styles, task presentation and analysis, reinforcement techniques, group management, and intervention models. Multicultural communication models and supervised observation experiences in various clinical and public school settings.

**5510, 5511, 5512. Special Problems in Speech and Hearing (2,2,2)** For advanced senior and graduate students. May be repeated for maximum of 6 s.h. May count toward the CSDI major with consent of dept chair. Independent exploration of specific areas of interest in communication disorders and research.

**5565. Seminar in Augmentative Communication (3)** 2 and 1/2 lecture and 1 lab hours per week. P: Consent of instructor. Interdisciplinary approach to augmentative communication. Emphasis on team approach, including discussion of and experience with patients who require use of augmentative communication systems. Areas of study include assessment, intervention, neuromotor management, environmental control, computer access, and funding.

### CSDI Banked Courses

**5100. Introduction to Speech-Language and Hearing Disorders (2)**

### DESN: DESIGN AND DRAFTING

**2034, 2035. Engineering Graphics I (3,0) (F,S,SS)** 2 lecture and 2 lab hours per week. P: Computer-related elective. Basic skills and theory of graphics. Application of graphics in manufacturing, construction, and related fields.

**2036, 2037. Computer-Aided Design and Drafting (3,0) (F,S,SS)** 2 lecture and 2 lab hours per week. P: DESN 2034, 2035. Application of computer-aided design and drafting (CADD) as related to design process and development of engineering drawings and other documents. Use of CADD in various design disciplines, including architectural, electrical, mechanical, and civil.

**3030, 3031. Architectural Drafting (3,0) (F,S,SS)** 2 lecture and 2 lab hours per week. P: DESN 2034, 2035. Fundamental areas of residential working drawings.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**3032, 3033. Engineering Graphics II (3,0) (S)** 2 lecture and 2 lab hours per week. P: DESN 2036, 2037. Continuation of DESN 2036, 2037 with greater depth in application of graphics in manufacturing construction and related fields.

**3036, 3037. Architectural Design and Drafting (3,0) (F)** 2 lecture and 2 lab hours per week. P: DESN 2036, 2037, 3030, 3031. Practical experience in design of commercial structures from graphics perspective. Development and interpretation of working drawings.

**4030, 4031. Descriptive Geometry (3,0) (S)** 2 lecture and 2 lab hours per week. P: DESN 3032, 3033; MATH 1074. Principles of projection, including reference system (the graphical method of solving solid analytic geometry problems).

**4234, 4235. Machine and Tool Design (3,0) (F)** 2 lecture and 2 lab hours per week. P: DESN 3032, 3033; MANF 2076, 2077. Application of principles of machine and tool design. Completion of designs and drawings of machines, tools, fixtures, gauges, automated clamping devices, and piercing and forming dies.

**4503. Laboratory Problems: Design and Drafting (3) (F,S,SS)** 6 lab hours per week. P: DESN 3030, 3031; or 3032, 3033; or consent of instructor. Independent study to gain further expertise in particular area of design and drafting.

**4504. Laboratory Problems: Graphic Communication (3) (F,S,SS)** 6 lab hours per week. P: Consent of dept chair. Independent study of concepts, processes, tools, and materials in graphic communication technology.

**5500. Independent Study: Graphic Communication (3) (F,S,SS)** May be repeated for credit with consent of dept chair. Research-oriented. Problem solving in graphic communication.

### DESN Banked Courses

**3034, 3035. Civil Drafting and Laboratory (3,0)**

**4032, 4033. Technical Illustration: Procedures and Practices (3,0)**

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### **DNCE: DANCE**

**1000. Introduction to Dance (2) (F,S,SS) (GE:FA)** May not count toward DNCE major. Development of dance as an art. Roles of choreographer and dancer.

**1001. Fundamentals of Ballet (3) (SS) (GE:FA)** 7.5 hours per week. Basic skills of ballet. Includes overview of ballet development.

**1002. Fundamentals of Contemporary Dance (3) (SS) (GE:FA)** 7.5 hours per week. Basic skills of modern dance. Includes overview of modern dance development.

**1003. Fundamentals of Jazz Dance (3) (SS) (GE:FA)** 7.5 hours per week. Basic skills of jazz dance. Includes overview of jazz dance styles.

**1011. Ballet I (3) (F) (GE:FA)** Progressive and continuous work in learning and perfecting technique in this most difficult and refined form of dance.

**1012. Contemporary Dance I (3) (F) (GE:FA)** Dance technique which does not employ a standardized vocabulary of steps.

**1013. Jazz Dance I (3) (F) (GE:FA)** May not count toward BFA in DNCE. Most recent dance form influenced by South American and African cultures.

**1021. Ballet II (3) (S)** Progressive and continuous work in perfecting technique and style in ballet.

**1022. Contemporary Dance II (3) (S)** Progressive and continuous work in perfecting technique and style in contemporary dance.

**1023. Jazz Dance II (3) (S)** May not count toward BFA in DNCE. Progressive and continuous work in perfecting technique and style in jazz dance.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

**1111, 1121, 2131, 2141, 3151, 3161, 4171, 4181. Ballet Technique Development I, II, III, IV, V, VI, VII, VIII (3 each) (GE:FA) Formerly 1111 was DNCE 2111; 1121 was DNCE 2121; 6 hours per week. P:** Placement by faculty jury. Progressive and continuous work in perfecting ballet technique.

**1112, 1122, 2132, 2142, 3152, 3162, 4172, 4182. Contemporary Dance Technique Development I, II, III, IV, V, VI, VII, VIII (3 each) (GE:FA) Formerly 1112 was DNCE 2112; 1122 was DNCE 2122; 6 hours per week. P:** Placement by faculty jury. Progressive and continuous work in perfecting contemporary dance technique.

**1113, 1123, 2133, 2143, 3153, 3163, 4173, 4183. Jazz Dance Technique Development I, II, III, IV, V, VI, VII, VIII (3 each) (GE:FA) Formerly 1113 was DNCE 2113; 1123 was DNCE 2123; 6 hours per week each. P:** Placement by faculty jury. Progressive and continuous work in perfecting jazz dance technique.

**2011, 2021, 3011, 3021, 4011, 4021, 4131, 4141. Pointe I, II, III, IV, V, VI, VII, VIII (1 each) (GE:FA) 2 hours per week. P:** Consent of instructor. Progressive and continuous work in perfecting technique of pointe combinations and classical ballet variations.

**2031. Ballet III (3) (F)** Continued work on ballet technique.

**2032. Contemporary Dance III (3)** Continued work on contemporary dance technique.

**2033. Jazz Dance III (3) (F)** P: 6 s.h. ballet or consent of instructor. Continued work on jazz technique.

**2041. Ballet IV (3)** Continued work in perfection of technique.

**2042. Contemporary Dance IV (3)** Continued work in perfection of technique.

**2043. Jazz Dance IV (3)** P: 6 s.h. ballet or consent of instructor. Continued work in perfection of technique.

**2190. Early Experiences for the Prospective Dance Educator (1) (F)** 1 lecture hour for 6 weeks; 2 lab or studio hours for 10 weeks. For students considering a career in dance education. Teaching of dance through observation and participation in teaching activities in school classrooms.

**2200. Creative Dance and Drama for the Elementary School (2) (S) Same as THEA 2200** Content, philosophy, methodology, and projects appropriate for student preparing to teach elementary grades.

**2201. Dance Improvisation I (1) (F)** 2 hours per week. Guided exploration in elements of dance for development of spontaneity of individual movement, group interaction, and choreographic skills.

**2202. Dance Improvisation II (1) (S)** 2 hours per week. Continuation of guided exploration in elements of dance. Student creates and conducts improvisations.

**2203, 2204. Dance Improvisation Aerobics (1,1) (GE:FA)** 2 hours per week. Guided movement exploration within framework of aerobic workout. Emphasis on spontaneous physical expression and high-paced release of energy.

**2211, 2221, 3211, 3221, 4211, 4221, 4231, 4241. Partnering I, II, III, IV, V, VI, VII, VIII (1 each) (GE:FA) Formerly 2211 was DNCE 3071 2 hours per week. P:** Consent of instructor. Progressive and continuous work in perfecting technique of support when performing with a partner.

**3000, 3001. Dance Performance (1,1) (F,S)** 6 hours per week each. P: Consent of instructor. Practical experience in various areas of dance performance in faculty-choreographed production.

**3014. Fundamentals of Tap Dance (1) (F) (GE:FA) Formerly DNCE 3070** 2 hours per week. Introduction to tap dance as performing art through study of basic tap vocabulary fundamental rhythms, locomotor movements, and tap styles.

**3024. Intermediate Tap Dance (1) (S) Formerly DNCE 3072** 2 hours per week. P: DNCE 3014 or consent of instructor. Vocabulary of tap terminology, repertoire of tap steps, and recognizable jazz/tap style in performance.

**3051. Ballet V (3)** P: DNCE 2041 or consent of instructor. Continued study in perfecting ballet technique.

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## SECTION 8: COURSES

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- 3052. Contemporary Dance V (3)** P: DNCE 2042 or consent of instructor. Continued work toward perfection of technique and style.
- 3053. Jazz Dance V (3)** P: DNCE 2043 or consent of instructor. Continued work in perfection of technique.
- 3061. Ballet VI (3)** P: DNCE 3051 or consent of instructor. Continued study in perfecting ballet techniques.
- 3062. Contemporary Dance VI (3)** P: DNCE 3052 or consent of instructor. Continued work toward perfection of technique and style.
- 3063. Jazz Dance VI (3)** P: DNCE 3053. Continued work in perfection of technique.
- 3114, 3124, 4134. Tap Technique Development I, II, III (1,1,2) (3114:F; 3124:S; 4134:F) (GE:FA) Formerly 3114 was DNCE 4074; 3124 was DNCE 4075.** DNCE 3114, 3124: 2 hours per week; 4134: 3 hours per week. P: Placement by faculty jury. Progressive and continuous work in perfecting technique and style in tap dance.
- 3501, 3502, 3503. Independent Study in Dance (1,2,3) (F,S,SS) (GE:FA)** May be repeated for maximum of 4 s.h. with change of topic. P: Consent of instructor and dept chair. Independent study of scholarly topic related to dance.
- 3601, 3602, 3603. Selected Topics in Dance (1,2,3) (F,S,SS) (GE:FA)** May be repeated for maximum of 4 s.h. with change of topic. P: Consent of instructor and dept chair. Intensive study of selected topics related to dance.
- 4000, 4001. Special Dance Projects (1,1)** 6 hours per week each. P: Consent of instructor. Practical experience in various areas of dance performance directed and supervised by faculty.
- 4034. Advanced Tap Dance (2) (F) (GE:FA) Formerly DNCE 3073** 3 hours per week. P: DNCE 3024 or consent of instructor. Progressive and continuous work in perfecting technique of tap dance.
- 4044. History of Dance I (3) (WI) (F) (GE:FA)** Explores dance as ritual and theatrical art.
- 4045. History of Dance II (3) (WI) (S) (GE:FA)** Explores development of dance as theatrical art.
- 4046. Composition I (3) (WI) (F)** P: 3000-level DNCE technique classes. Movement possibilities through kinesthetic awareness. Development of creative intuition through problem-solving in choreographic design.
- 4047. Composition II (3) (WI) (S)** P: DNCE 4046. Development of choreographic idea.
- 4048. Choreography Project (3) (F)** 9 hours per week. P: DNCE 4047 or consent of instructor. Development, presentation, and evaluation of choreographic projects.
- 4071. Ballet VII (3)** P: DNCE 3061 or consent of instructor. Continued study in perfection of technique.
- 4072. Contemporary Dance VII (3)** P: DNCE 3062 or consent of instructor. Continued study in perfection of technique and style.
- 4073. Jazz Dance VII (3)** 6 hours per week. P: DNCE 3063. Continued work in perfection of jazz technique.
- 4081. Ballet VIII (3)** P: DNCE 4071 or consent of instructor. Continued study in perfection of technique.
- 4082. Contemporary Dance VIII (3)** P: DNCE 4072 or consent of instructor. Continued study in perfection of technique and style.
- 4083. Jazz Dance VIII (3)** 6 hours per week. P: DNCE 4073. Continued work in perfection of jazz technique.
- 4323. Perspectives on Dance Education, Grades K-12 (3) (WI) (F,S)** P: Consent of instructor. Theoretical foundations in dance education and implications for curriculum and teaching.
- 4324. Internship in Dance Education (10) (F,S)** Full-time, semester-long internship. P: Admission to upper division; C: DNCE 4325. Supervised internship in dance education in public schools.

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**4325. Internship Seminar: Issues in Dance Education (1) (F,S)** P: Admission to upper division; C: DNCE 4324. Individualized study of problems or issues in dance education.

### DNCE Banked Courses

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| <b>2051, 2061, 2071, 2081. Ballet Studio I, II, III, IV (1 each)</b>             | <b>4032, 4042, 4052, 4062. Contemporary Dance Studio V, VI, VII, VIII (1 each)</b> |
| <b>2052, 2062, 2072, 2082. Contemporary Dance Studio I, II, III, IV (1 each)</b> | <b>4033, 4043, 4053, 4063. Jazz Dance Studio V, VI, VII, VIII (1 each)</b>         |
| <b>2053, 2063, 2073, 2083. Jazz Dance Studio I, II, III, IV (1 each)</b>         | <b>4076. Theatre Dance Styles I (3)</b>  |
| <b>4031, 4041, 4051, 4061. Ballet Studio V, VI, VII, VIII (1 each)</b>           | <b>4077. Theatre Dance Styles II (3)</b>   |

### DRED: DRIVER EDUCATION

**2000. Introduction to Driver and Traffic Safety Education (3) (F,S,SS)** P: Valid driver's license. Current concepts in driver and traffic safety education.

**2330. K-12 Safety Education (3) (F,S,SS)** Composite look at safety education as related to K-12 students. Emphasis on traffic, home, school, work, and recreational safety.

**3309. Advanced Driver and Traffic Safety Education (3) (F)** For advanced driver educator. P: DRED 2000. Concentrated study on various cognitive areas of driver and traffic safety education.

**3320, 3321. Laboratory Programs in Driver and Traffic Safety Education (3,0) (S)** 2 lecture and 2 lab hours per week. P: DRED 2000 and a valid driver's license. Theory and practice of dealing with multiple-car driving range, simulation, and on-street lab programs in driver education. Each student responsible for teaching a beginning student the lab phase of driver education.

### DRED Banked Courses

|   |   |
|---|---|
| <b>2220. The Highway Transportation System (3)</b>                | <b>4323. The Teaching of Driver and Traffic Safety Education in High School (3)</b>         |
| <b>2230. Traffic Law (3)</b>                                      | <b>4324. Observation and Supervised Teaching in Driver and Traffic Safety Education (8)</b> |
| <b>2307. Practicum in Driver and Traffic Safety Education (3)</b> | <b>5310. Advanced Motorcycle Safety (3)</b>   |
| <b>3210, 3211. Motorcycle Safety Instructor Preparation (3)</b>   |   |

### DSCI: DECISION SCIENCES

**2223. Introduction to Computers (3) (F,S,SS)** Basic concepts of data processing and computer programming.

**3023. Management Science I (3) (F,S,SS)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: Minimum grade of C in MATH 1066, 2283. Decision making under certainty and applications in analyzing and solving business problems.

**3063. Management Information Systems I (3) (F,S,SS)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: DSCI 2223. Information systems in business and hardware and software tools to implement them.

**3123. Operations Management (3) (F,S,SS)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: Minimum grade of C in MATH 1066, 2283; C: MGMT 3202. Organizations as integrated systems. Designing, planning, and controlling operating systems. Applications of programming and other techniques to organizational problems.



## SECTION 8: COURSES

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**3673. Software Design and Development (3) (F,S)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: DSCI major; DSCI 3063. Design and development of software for business applications.

**3943, 3953. Topics in Decision Sciences (1,2) (F,S)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: Consent of dept chair.

**4103. Decision Support Systems (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: DSCI 3063. Use of information systems that support managers in their decision-making process.

**4113. Data Base Management Systems (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: DSCI 3063. Analysis of data base theory and practice.

**4123. Distributed Information Systems (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: DSCI 3063. Detailed study of evolving communication technology and management problems associated with communication networks.

**4133. Information Systems Management (3) (WI) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: DSCI 3063. Synthesis of management concepts and specific problems encountered in business information systems.

**4163. Management Information Systems II (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: DSCI 3063. Analysis, design, and implementation of business information system. Communications systems, operating systems, distributed processing, and decision-support systems.

**4293. Statistical Analysis (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MATH 1066, 2283. Statistical hypothesis tests, simple and multiple linear regression and correlation, nonparametric methods, and analysis of variance.

**4383. Technology in Business Operations (3) (S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: DSCI 3123. Operations management problem situations integrated through an Enterprise Resource Planning framework. Application of technology to three key aspects of a firm's competitive advantage: product design, product demand estimation, and delivery of the product/service. Key elements of electronic commerce business models.

**4493. Management and Analysis of Quality (3) (F)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MATH 2228 or 2283 or equivalent. Quality management principles and applications in business enterprises. Topics include quality strategy and organization; international issues; supply chain quality; decision-making; cost of quality; quality planning; improvement of product, process and service, including statistical process control and capability; and other basic techniques for quality improvement.

**4733. Project Management (3) (S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: DSCI 3023. Concepts and technology of project management as applicable to wide range of business and technical situations. Focus on behavioral and organizational aspects as well as quantitative methods and computer systems in project

**4743. Materials Management (3) (F)** Registration preference given to declared majors with a minimum 2.5 GPA. P: DSCI 3123. Materials management as supporting function of production in organizations. Specific topics include materials handling, warehousing, purchasing, traffic, and physical distribution.

**4963. Topics in Decision Sciences (3) (F,S,SS)** Registration preference given to declared majors with a minimum 2.5 GPA. P: Consent of dept chair. Intended primarily for decision sciences majors.

**4993. Cooperative Education (0) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: Consent of dept chair. Topics to supplement regular curriculum.

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### DSCI Banked Courses

**4393. Forecasting and Statistics for Operations Analysis (3)**

**4633. Management Science II (3)**  
**4723. Production Planning and Control (3)**

### ECON: ECONOMICS

**2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)** Elements of microeconomics and introduction to macroeconomics.

**2133. Principles of Macroeconomics (3) (F,S,SS) (GE:SO)** P: ECON 2113. Principles and applications of macroeconomics from Keynesian and Montarist approaches.

**3030. Antitrust and Regulation (3) (WI) (F) (GE:SO)** P: ECON 2113. Antitrust policy and government regulation as a response to market failure.

**3144. Intermediate Microeconomics (3) (F,S) (GE:SO)** P: ECON 2113. Demand analysis, elasticity, market structure, pricing, and cost effectiveness.

**3244. Intermediate Macroeconomics (3) (F,S) (GE:SO)** P: ECON 2133. Classical, Keynesian, and modern analysis of determinants of national income, employment, and price levels.

**3323. Topics in Economics (3) (WI) (GE:SO)** May be repeated for credit with change of topic. P: ECON 2133. Consideration of new and advanced topics in economics.

**3343. Econometrics (3) (F,S) (GE:SO)** P: CSCI 2600 or DSCI 2223; ECON 2133; MATH 2283. Development and explanation of econometric methods and model building.

**3353. Development Economics (3) (GE:SO)** P: ECON 2133. Analysis of problems of less developed countries of the world. National and international policies of such countries.

**3420. Money and Banking (3) (S) (GE:SO)** P: ECON 2133. Banking system, Federal Reserve System, monetary theory, monetary policy in US, and international monetary relations.

**3630. Health Economics (3) (WI) (S) (GE:SO)** P: ECON 2133. Organizational structure, financing, and regulation of health care delivery and economic measurement of performance.

**3750. Economics of Poverty and Discrimination (3) (WI) (GE:SO)** P: ECON 2133. Economic theories of discrimination and occupational segregation. Analysis of inequalities in earnings distribution. Implications for public policy.

**3855. Environmental Economics (3) (GE:SO)** P: ECON 2133. Application of microeconomic analysis to environmental problems such as air and water pollution and formation of environmental policy.

**3960. Economics of Public Choice (3) (F) (GE:SO)** P: ECON 2133. Application of microeconomic analysis to study political decision making within a representative democracy.

**4020. Industrial Organization (3) (WI) (S) (GE:SO)** P: ECON 3144. Definition and measurement of structure, behavior, and market performance of firms.

**4214. Public Finance (3) (GE:SO)** P: ECON 2133, 3144. Government expenditures, revenue and debts, allocation of resources, and distribution of income.

**4230. Labor in Economics (3) (F) (GE:SO)** P: ECON 3144. Analysis of labor market operations and occupational choice and discrimination from institutional and human capital perspectives.

**4373. International Trade (3) (S) (GE:SO)** P: ECON 2133, 3144. Theory and application in world markets for primary and industrial goods.

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## SECTION 8: COURSES

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**4430. Business Cycles and Forecasting (3) (GE:SO)** P: ECON 3244, 3343; or consent of instructor. Business cycle theories and quantitative techniques for analyzing and predicting business cycle phenomena.

**4550. Honors I (3) (F,S)** Open only to ECON majors who are eligible to participate in the honors program. P: ECON 3144, 3244. Varying topics developed in cooperation with supervising instructor.

**4551. Honors II (3) (F,S)** P: ECON 4550 with a minimum grade of B. Varying topics developed in cooperation with supervising instructor.

**4850. Resource Economics (3) (GE:SO)** P: ECON 2133, 3144. Application of microeconomic analysis and benefit-cost analysis to problems of allocation of natural resources.

**5000. General Topics (3)** May be repeated for credit with change of topic. P for undergraduate students: ECON 3144, 3244. Consideration of new or advanced topics in economics.

**5150. Development (3)** P for undergraduate students: ECON 3144. Application of microeconomic analysis to investments in human resources, efficient organization of rural economics, intersectoral and international exchange, and interaction between politics and markets, especially in less developed countries.

**5170. Resources I (3)** P for undergraduate students: ECON 3144. Application of microeconomic analysis to study of allocation of natural resources.

**5360. Mathematical Economics (3)** P for undergraduate students: MATH 2171 or equivalent. Mathematical analysis applied to economic theory. Structure and specification of quantitative models.

**5501. Macroeconomic Theory (3)** P for undergraduate students: ECON 3244; ECON 5360 or MATH 2172. Business cycle fluctuations. Emphasis on determinants of consumption and investment and effectiveness of monetary and fiscal policy.

**5800. Public Economics (3)** P for undergraduate students: ECON 3144. Application of microeconomic analysis to collective choice in democratic societies, government expenditure programs, and taxation.

**5910. Health Economics (3)** P for undergraduate students: ECON 3144, 3244. Organization structure, financing, and regulation of health care delivery and economic measurement of performance.

### ECON Banked Courses

**1000. General Economics (3)**

**2250. Introduction to Econometrics (3)**

**3363. Comparative Economics Systems (3)**

**3520. Mathematical Economics (3)**

**4024. Regional Development (3)**

**4740. Urban and Regional Economics (3)**

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## EDTC: EDUCATIONAL TECHNOLOGY

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**2240. Virtual Reality: Introduction and Basic Applications (3) (F,S,SS)** 2 lecture and 2 lab hours per week. P: Basic knowledge of computer operations. Basic applications of virtual reality in education and other fields. Students select special projects according to their interests.

**3242. Graphics-Based Virtual Environments I (3) (S)** 2 lecture and 2 lab hours per week. P: EDTC 2240 or consent of dept chair. Intermediate design, building, applications, and evaluation of graphics-based virtual environments for specific applications.

**3243. Graphics-Based Virtual Environments II (3) (S)** 2 lecture and 2 lab hours per week. P: EDTC 3242 or consent of instructor. Advanced design, building, applications, and evaluation of graphics-based virtual environments for specific applications.

**3244. Virtual Reality in Education (3) (F)** 2 lecture and 2 lab hours per week. P: EDTC 2240 or consent of instructor. Role of virtual reality as instructional tool. Types, applications, and hardware and software.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

**3245. Text-Based Virtual Environments (3) (F)** 2 lecture and 2 lab hours per week. P: EDTC 2240 or consent of instructor. Design, building, applications, and evaluation of applications of text-based virtual environments.

**3901, 3902, 3903, 3904. Special Topics (1,2,3,4)** May be repeated for maximum of 9 s.h. with change of topic. P: Consent of instructor. Selected topics in educational technology. Variety of newly developed and special courses.

**4001. Technology in Education (2) (F,S)** P: Admission to upper division. Use of technology for professional and instructional use. Instructional design, video applications, and basic and expanded computer applications.

**4246. Interactive Three-Dimensional Internet Applications (3) (S)** 2 lecture and 2 lab hours per week. P: EDTC 2240 and working knowledge of HTML or consent of instructor. Design and construction of interactive three-dimensional Internet applications. Uses tools such as VRML.

**4900. Seminar on Virtual Reality (3) (S)** P: 16 s.h. in virtual reality courses or consent of instructor. Problems and issues affecting building, use, and evaluation of virtual environments.

**4981, 4982, 4983. Directed Independent Study (1,2,3) (F,S,SS)** For intermediate or advanced student. May be repeated for maximum of 6 s.h. P: Consent of dept chair. Study of topic not otherwise offered in curriculum or topic beyond or in greater depth than is possible within the context of regular course.

**4991, 4992. Internship Seminar (3,3) (F,S,SS)** 1 lecture and 10 lab hours per week and 140 hours of observation and practical experience in a professional setting. Periodic group meetings with instructor and other interns. P: 16 s.h. in virtual reality courses or consent of instructor.

**5010. Computers in Education (3)** Application of computers in education. Operation of microcomputers and selection, evaluation, and application of educational software.

### EDTC Banked Courses

**3271. Introduction to Educational Media (1)**

**3700. Technologies in Education (3)**

**3272. Introduction to Audiovisual Instruction  
Materials and Techniques (2)**

### EDUC: EDUCATION

**3200. Introduction to American Education (3) (WI) (F,S,SS)** P: Early experience course or consent of instructor. Historical, philosophical, and sociological foundations of American education, including multiculturalism. Organizational, financial, and legal bases of education at federal, state, and local levels. Curricular purposes in American ladder of educational institutions. Teaching as profession. Current issues and trends.

**4400. Foundations of School Learning, Motivation, and Assessment (3) (F,S)** P: Admission to upper division. Theories of learning, motivation, and assessment provide foundation for understanding classroom as instructional system.

**4551, 4552, 4553. Trends and Issues in Education (1,2,3) (F,S,SS)** May be repeated for maximum of 6 s.h. May not substitute for required courses. P: Admission to upper division; consent of instructor. Individualized study of problems or issues in pertinent areas of education.

**5001. Education in a Global Perspective (3)** Comparative study of selected national educational systems, curricula, teacher preparatory programs, evaluation systems, and current issues within context of global realities, demands, and needs.

**5002. Foundations of Multicultural Education (3)** Aspects of teaching that view cultural differences as educational assets.

### EHST: ENVIRONMENTAL HEALTH

**2110. Introduction to Environmental Health Science (3) (F,S) (GE:SC)** Principles of environmental health practices. Emphasis on air quality food supply, industrial hygiene, and solid and hazardous waste disposal.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**2111. Introduction to Environmental Health Sciences Laboratory (1) (F,S) (GE:SC)** 3 lab hours per week. P/C: EHST 2110. Lab and field techniques in principles of environmental health sciences practices. Includes water and air quality; noise; food, radiation, and biological safety; and hazardous material.

**2500. Introduction to Radiological Health (3) (S)** 3 lecture hours per week. P: EHST major; PHYS 1250, 1251. Basic concepts of science of radiological health for ionizing and non-ionizing radiation. Topics include types of radiation, units, detection, measurements, sources, dose calculations, biological effects, emergencies, environmental monitoring, protection measures, and regulations. Emphasis on operational aspects of radiation safety programs.

**3000. Environmental Health Practice Seminar (1) (S)** 2 classroom or lab hours per week P: Major or intended major in EHST. Variety of environmental health practice settings in government, industry, and elsewhere.

**3003. Environmental Epidemiology (3) (F)** Science of epidemiology and biostatistics required to understand epidemiological studies. Topics include longitudinal and case control studies; risk and relative risk; collection, tabulation, and analysis of data.

**3060, 3061. Environmental Issues in Construction (4,0) (F,S)** 3 lecture and 2 lab hours per week P: GEOL 1500, 1501. Comprehensive overview of environmental impact of construction processes, including legislative and regulatory requirements.

**3100. Injury Control (2) (S)** P: Consent of dept chair. Environmental and human factors related to accidents. Emphasis on school, home, recreational, industrial, and traffic safety and programs of accident prevention.

**3200. Food Sanitation Principles (3) (S)** P: Consent of instructor; C: EHST 3201. Food composition, engineering principles, processing and preservation methods, food-borne diseases, and food regulatory programs.

**3201. Food Sanitation Principles Laboratory (1) (S)** 3 lab hours per week. P: Consent of instructor; C: EHST 3200. Practical experience in procedures for evaluating food, milk products, and sanitizing agents.

**3292. Industrial Safety (3) (F,S,SS)** P: Junior standing; Completion of 2 s.h. of industrial technology courses. Causes and prevention of occupational accidents and health hazards. Emphasis on organization and operation of safety programs and development of safety consciousness.

**3350. Water Supply and Waste Water Treatment (4) (F)** P: BIOL 2110, 2111; CHEM 1160, 1161; C: EHST 3351. Principles of water supply and waste water treatment technology.

**3351. Water Supply and Waste Water Treatment Laboratory (1) (F)** 3 lab hours per week. P: BIOL 2110, 2111; CHEM 1160, 1161; C: EHST 3350. Lab to accompany EHST 3350.

**3370. On-Site Waste Water Treatment and Disposal (3) (S)** P: EHST 3350, 3351; GEOG 3220; C: EHST 3371. Applications of waste water treatment and disposal technology in areas where centralized systems are not feasible. Site evaluation, design, construction practices, and regulation of on-site systems.

**3371. On-Site Waste Water Laboratory (1) (S)** 3 lab hours per week. P: EHST 3350, 3351; GEOG 3220; C: EHST 3370. Lab and field techniques for on-site waste water treatment.

**3500, 3501, 3502. Problems in Environmental Health (1,2,3) (F,S)** Hours required vary with individual student assignment and/or project. 14 classroom hours for 1 s.h. credit. P: EHST major. Specific topic, area, or problem not adequately covered in current curriculum.

**3600. Air Pollution (3) (F)** P: EHST 2110 or consent of instructor. Evaluation and monitoring of air pollutants, effects of air pollutants, survey of control procedures and legislation, and lab procedures in air quality investigations.

**3700. Industrial Hygiene (3) (S)** P: 8 s.h. of general science lab courses or consent of dept chair; C: EHST 3701. Health problems encountered in business, industrial, and other work places. Emphasis on recognition and evaluation of occupational stresses and disease prevention methods.

**3701. Industrial Hygiene Laboratory (1) (S)** 3 lab hours per week. P: Consent of instructor; C: EHST 3700. Practical experience and methods for evaluating work environment.

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**3900. Introduction to Occupational Health (3) (F)** P: 6 s.h. in BIOL, including BIOL 2130; 8 s.h. of general CHEM; or consent of instructor. Occupational diseases in terms of occupational health hazards and associated health effects.

**3910. General Industry Safety (3)** Technical aspect of occupational safety. Machine guarding, walking and working surfaces, hand and power tools, electrical systems, and plant layout.

**3926. Construction Safety (3) (F,S)** Technical aspects of construction safety. Scaffolding, trenching and shoring, excavations, and building codes.

**4010. Toxicological Foundations of Risk Assessment (3) (F)** P: BIOL 2130; CHEM 2650, 2651. Undesirable biological responses to physical and chemical agents. Mechanisms of action at the molecular, cellular, and organ levels.

**4200. Environmental Health Management and Law (3) (WI) (F)** P: EHST major or minor. Processes involved in planning, facilitating, executing, evaluating, and controlling environmental health services.

**4300. Institutional, Recreational Sanitation, and Vectorborne Diseases (3) (F)** P: EHST 2110, 3003, 3100, 3200, 3201, 3350, 3351, 3370, 3371; or consent of instructor; C: EHST 4301. Environmental health practices of institutions. Safety, infection control, and infectious waste disposal. Health and safety hazards at recreational facilities includes swimming pools, campgrounds and public parks, and vectors and vectorborne diseases in US.

**4301. Institutional, Recreational Sanitation, and Vectorborne Diseases Laboratory (1) (F)** 3 lab hours per week. P: EHST 2110, 3003, 3100, 3200, 3201, 3350, 3351, 3370, 3371; or consent of instructor; C: EHST 4300 Lab and field identification of vectors of public health importance. On-site inspections of institutional and recreational facilities.

**4990. Environmental Health Internship (3) (F,S,SS)** 120 hours of supervised learning experience in an approved clinical/environmental health facility. P: EHST major; minimum of 13 s.h. in EHST or consent of dept chair.

**4991. Environmental Health Internship (3) (F,S,SS)** 120 hours of supervised learning experience in an approved clinical/environmental health facility. P: EHST major; minimum of 13 s.h. in EHST courses or consent of dept chair.

**5001. Seminar in Environmental Health (1)** Student, staff, and guest speakers on current research.

**5010, 5011. Principles of Toxicology and Laboratory (3,1)** For EHST majors but other majors accepted. P: Senior or graduate standing; 8 s.h. of general chemistry; 6 s.h. of biology including BIOL 2130; or consent of instructor. Basics of toxicology such as physiological response and environmental sources as well as specifics of major toxins.

**5020. Environmental Toxicology (3)** P: EHST 5010, 5011; or consent of instructor. Effect of anthropogenic and naturally occurring toxins on environment. Toxin sources, distribution, and bioaccumulation. Covers pesticides, metals, solvents, radioactive isotopes, food additives, air pollutants, and natural plant/animal toxins.

**5164. Radiological Health Field Operation (1)** P: Consent of instructor. Field observation of radiological health physics, practices at nuclear fuel cycle facilities, and government nuclear facilities.

**5165. Advanced Radiological Laboratory (1)** P: Consent of instructor. Intensive radiological lab training at Oak Ridge Associated Universities. Tour of research facilities.

**5800. Solid and Hazardous Waste Management (3)** P: CHEM 1160, 1161. Detailed examination of problems associated with collection, treatment, and disposal of solid and hazardous wastes in US. Development of federal and state legislation and regulation for solid and hazardous waste management. Current technologies for solving waste management problems.

### EHST Banked Courses

**5710, 5711. Topics in Health Physics I (3,0)**

**5720, 5721. Topics in Health Physics II (3,0)**

## SECTION 8: COURSES

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### **ELEC: ELECTRICITY/ELECTRONICS**

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**2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S,SS)** 2 classroom and 2 lab hours per week. P: MATH 1065 or 1066 or 1085 or 2119. Electronic components and circuits. Study of communications and industrial control systems.

**2150, 2151. Circuit Analysis (3,0) (F,S)** 2 lecture and 2 lab hours per week. P: ELEC 2054, 2055; MATH 1074 or 1075 or 1085 or 2119 or 2121; RC: ELEC 3150, 3151. Alternating and direct current theory. Emphasis on methods of solving circuits. Network theorems used in developing complex AC network analysis. Utilizes mathematical techniques.

**3058, 3059. Electronic Communication Systems (3,0) (F,S)** 2 lecture and 2 lab hours per week. P: MATH 1065 or higher. Investigates relevant aspects of communication hardware. Specific emphasis placed on hardware of computer systems and subsystems as related to data transfer.

**3150, 3151. Digital Systems (3,0) (F,S)** 2 lecture and 2 lab hours per week. P: ELEC 2054, 2055; RC: ELEC 2150, 2151. Principles and techniques used in modern digital systems to provide logic control over industrial processes.

**3154, 3155. Digital Communication Systems (3,0) (F,S)** To be taken simultaneously. 2 lecture and 2 lab hours per week. P: ELEC 2150, 3150; or 3058. Introduction to local-area and wide-area networks. Provides basic understanding of network concepts and router programming.

**3158, 3159. Computer Networking Technology (3) (S)** To be taken simultaneously. 2 lecture and 2 lab hours per week. P: ELEC 3154. Advanced study of local-area and wide-area networks. Develops competence in designing and implementing enterprise-wide campus network using routers and switches.

**3250, 3251. Internetwork Routing Technology (3,0) (F)** To be taken simultaneously. 2 lecture and 2 lab hours per week. P: ELEC 3158; C: ELEC 4150. Advanced network routing technology in industry. Topics include routing protocols and technology, network performance consideration, and traffic control over LAN and WAN.

**3300. Information Technology Project Management (3) (S)** 3 lecture hours per week. P: ENGL 1200; ITEC 2000 or DSCI 2223. Systems needs analysis identification, functional requirements analysis, IT project timelines, and system development progress metrics.

**3900, 3901. Web Services Management (3, 0) (F)** 2 lecture and 2 lab hours per week. P: ELET 3510, 3530. Current technologies that provide web services and management for organizations. Topics include web content development, web server installation and configuration, database integration, and security issues.

**4010, 4011. User Application Management and Emerging Technologies (3,0) (F)** 2 lecture and 2 lab hours per week. P: ELET 3510, 3530. Emerging technologies that provide flexible and secure access to enterprise information resources. Topics include wireless and WLAN technology, broadband Internet connection, storage area networks, data warehousing/mining, application support for enterprise network.

**4050, 4051. Microprocessor: Systems and Applications (3,0) (F)** 2 lecture and 2 lab hours per week. P: ELEC 3150, 3151. Architecture, control, data, memory bus lines, instruction sets, and introduction to interfacing and troubleshooting of microprocessor integrated circuits as related to industrial process control.

**4052, 4053. Computer-Based Industrial Control (3,0) (S)** 2 classroom and 2 lab hours per week. P: ELEC 2054, 2055. Microcomputer operation and applications to industrial equipment and process control systems.

**4150, 4151. Switching Network Technology (3) (F)** To be taken simultaneously. 2 lecture and 2 lab hours per week. P: ELEC 3158; C: ELEC 3250. Concepts and technology used to interconnect multiple LANs. Covers advanced switching technology and applications.

**4250, 4251. Enterprise Network Technology (3) (F)** To be taken simultaneously. 2 lecture and 2 lab hours per week. P: ELEC 3250, 4150; C: ELEC 4590, 4591. Designs and implementation of enterprise network system in industrial environment. Includes designing and planning processes, technology and trend, network and system analysis, skill assessment and technical

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training, and corporate policies.

**4505. Laboratory Problems: Electronics (3) (F,S,SS)** 6 lab hours per week. May be repeated for credit with consent of dept chair. P: Consent of instructor. Independent study of concepts, processes, tools, and materials in the field of electronics.

**4590, 4591. Electronic System Design (3,0) (S)** 2 classroom and 2 lab hours per week. P: ELEC 3250, 4150; C: ELEC 4250. Analysis of electronic systems design concepts and methodology.

**4600. Enterprise Information Technology Management (3) (S)** P: ELET 4050. Capstone course with case studies on various issues about enterprise IT management. Students work on projects that address these issues.

### **ELEC Banked Courses**

**2056, 2057. Electronic Power Systems (3,0)**  
**3056, 3057. Industrial Solid-State Control (3,0)**

**4060, 4061. Electronic Control of Robotic and  
 Automated Manipulators (3,0)**

### **ELEM: ELEMENTARY EDUCATION**

**2123. Early Experience for the Prospective Teacher (1)** Minimum of 16 hours of focused observations and planned participation in appropriate school environments and 8 hours of seminar class instruction. P: Sophomore standing or consent of instructor. Introduction to teaching for prospective elementary education teachers.

**3225. Planning, Instruction, and Evaluation in the Early Childhood and Elementary School (3)** Practicum required. Emphasis on development of classroom instructional plans with integration of learning and evaluation. Includes selection of teaching strategies.

**3235. Curriculum and Instruction in the Elementary School (4)** P/C: ELEM 2123; C: ELEM 3236. Emphasis on planning, instruction, and evaluation in elementary classrooms. Design and organization of curriculum and differentiation for individual needs.

**3236. Practicum in Curriculum and Instruction in the Elementary School (1)** 3 lab hours per week. P/C: ELEM 2123; C: ELEM 3235. Supervised teaching of groups of children in an elementary school classroom.

**3249. Literacy Development in Early Childhood (3)** 3 lecture and 1 lab/studio hours per week. P: Admission to upper division. Language and literacy development of children birth through kindergarten. Emphasis on their impact on the young child's success in becoming a literate human being.

**3250. Language Arts in the Early Childhood and Elementary School (4) (WI)** Tutorial teaching in practicum required. Emphasis on theory and practice in teaching language arts (listening, speaking, writing, reading) in the elementary grades.

**3275. Early Childhood and Elementary School Curriculum (3)** Historical, philosophical, sociological, and psychological bases for elementary school curriculum design. Consideration given to differentiation of curriculum to meet needs of individuals from various cultures and differing intellectual abilities.

**4324. Internship in the Elementary School (10) (F,S)** Full-time, semester-long internship. P: EDTC 4001; EDUC 4400 or PSYC 4305; ELEM 3236, 3250, 4525, 4551; MATH 3223; READ 3210; SCIE 3216; C: ELEM 4526. Internship in assigned elementary (K-6) classroom under direction of a master teacher and a university supervisor. Emphasis on teacher as decision maker in planning, implementing, and evaluating instruction.

**4325. Internship Seminar: Issues in Elementary Education (1) (F,S)** P: Admission to upper division; C: ELEM 4526. Reflective study of problems or issues in elementary education and concerns arising from internship experience.

**4525. Classroom Organization and Management in the Early Childhood and Elementary School (3) (F,S,SS)** Practicum experiences required. P: Admission to upper division. Roles and responsibilities of teacher in organizing and managing elementary classroom.

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## SECTION 8: COURSES

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**4526. Practicum in Classroom Organization and Management (1) (F,S,SS)** Clinical experiences (field-based simulations, computer applications) required. 3 lab hours per week. P: Admission to upper division; ELEM 3235, 3236; C: ELEM 4324, 4325. Structured observation and supervised teaching in elementary school classroom.

**4532, 4533, 4534. Problems in Education (1,1,1)** Each may be repeated once for maximum of 6 s.h. P: Consent of instructor and dept chair. Individualized study of problems in pertinent areas in education. No class meetings. Hours for conferences with the instructor to be arranged. Written paper on problem studied required for one hour of credit.

**4550. Social Studies in the Early Childhood and Elementary School (3) (WI) (F,S)** Practicum experiences required. P: Admission to upper division; minimum of 9 s.h. in social studies content courses; ELEM 3236; C: ELEM 4551. Methods and techniques of teaching social studies in elementary school.

**4551. Practicum in Teaching Social Studies in the Elementary School (1)** P: Upper-division status; C: ELEM 4550. Supervised teaching of social studies to groups of children in elementary school classroom.

**4575. Observation and Supervised Teaching in the Early Childhood and Elementary Grades (8)** 2-hour seminar 1 day per week required. P: Admission to upper division; ELEM 3250, 4525, 4550; READ 3205, 3206. Observation and supervised teaching in assigned elementary (K-6) classroom. Emphasis on teacher as decision-maker.

**5306. Social Studies in the Elementary School (3) (SS)** Social studies objectives implemented by study of programs, strategies, and materials.

**5309. Foundation and Curriculum in Early Childhood Education (3)** Indepth study of historical, psychological, and sociological bases of early childhood education; general trends; and current programs and program content.

**5310. Teaching and Evaluation in Early Childhood Education (3)** P: ELEM 6410. Extensive study and practice in translating early childhood curriculum into appropriate learning experiences.

### ELEM Banked Courses

**3110. Introduction to Language Arts Skills (3)**

**3111. Language Arts in the Upper Elementary Grades (4)**

**3203. Language Arts in the Lower Elementary Grades (4)**

**4310. Program Implementation in Early Childhood Education (3)**

**5335. Aerospace Education (3)**

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## ELET: ELECTRONICS ENGINEERING TECHNOLOGY

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**2700. DC Circuits (4) (F,S)** 3 lecture and 2 lab hours per week. P: MATH 1085. Includes Kirchoff's Laws, Thevenin's Theorem, Superposition Theorem, and basic design of DC instruments, magnetic circuits, and transient analysis. Lab includes experimental study of concepts.

**2702. AC Circuits (4) (F)** 3 lecture and 2 lab hours per week. P: MATH 2171 with a minimum grade of C. Basic principles of alternating current circuits, vectors, phase relationships, inductance, capacitance, impedance, and reactance. Includes application of network theorems to AC analysis.

**2710. Analog Circuits (4) (S)** 3 lecture and 2 lab hours per week. P: ELET 2702. Electronic circuit devices and operational amplifiers. Emphasis on importance associated with configurations and applications. Computer simulation software will be used to enhance circuit visualization.

**2720. Digital Circuits (4) (S)** 3 lecture and 2 lab hours per week. Basic logic functions; number systems and codes; logic circuits and Boolean Algebra; and Karnaugh mapping. Circuit analysis and design focus on flip-flops and related devices, counters, registers, MSI logic, interfacing, and memory devices.

**2730. Control Design (3) (S)** P: DSCI 2223 or ELET 2720 or ITEC 2000. Technologies and applications in designing device controls applied for local area network and Internet applications. Includes software programming and lower-level interface design.

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**2750. Microprocessing (4) (F)** 3 lecture and 2 lab hours per week. P: ELET 2720. Fundamentals of microprocessor architecture, programming, and hardware. Investigates hardware, software, and schematic interpretation problems to enhance problem-solving and critical thinking.

**3000. Introduction to Telecommunications (3) (F)** P: MATH 1074 or higher. Includes computer networking. Broad view of technology and application in information technology industry.

**3010. Data Communications (4) (F)** 3 lecture and 2 lab hours per week. P: ELET 2710, 2720, 2750, 3000; MATH 2172; PHYS 2360. Implements technology in data communication systems. Includes analog and digital communication method, encoding schemes, standards, and telephone networks.

**3020. Computer Networks (4) (S)** 3 lecture and 2 lab hours per week. P: ELET 3010. Implements communication architecture, protocol, and technology for local-area network and wide-area network. Includes circuit and packet switching, ATM and frame relay, local-area network, wide-area network, and distributed applications.

**3510. Network Environment I (4) (F)** 3 lecture and 2 lab hours per week. P: ELEC 3058 or ELET 2720 or 3020. Network management using various NOS products. Topics include NOS setup, network resource management, user and group management, and security model.

**3520. Wireless Communication (4) (S)** 3 lecture and 2 lab hours per week. P: ELET 3010. Characteristics, technology, and standards for cellular and cordless telephones, personal communication systems, and wireless LANs.

**3530. Network Environment II (4) (S)** 3 lecture and 2 lab hours per week. P: ELEC 3058 or ELET 2720 or 3020. Network management using various UNIX products, such as Linux and Solaris. Includes NOS setup, network resource management, user and group management, and security model.

**4000. Network Internship (3) (F,S)** Minimum of 120 contact hours at internship site. P: Senior standing. Educational collaboration between business and industry and ECU, linking theoretical and lab practice with real-world applications. Proposal, fully describing planned activities, developed around student's educational goals and objectives.

**4040. Communication Security (3) (S)** P: ELET 3510, 3530. Practical and comprehensive survey of network-based and Internet-based security applications and standards. Includes cryptography, encryption, hash functions, digital signatures, key exchanges, and security applications.

**4050. Integrated Network Services (4) (F)** 3 lecture and 2 lab hours per week. P: ELET 2730, 3510, 3530. Various integrated services to provide connectivity and operation over Intranet, Extranet, and Internet. Includes TCP/IP based services, integration to RDBMS system, and e-commerce and e-business systems.

**4060. Regulations and Policies (3) (S)** P: ELET 3000. Government and industry regulations and policies applied to information technology industry. Broad view of impact and effectiveness of regulations and policies.

**4080. System Analysis and Design (4) (S)** 3 lecture and 2 lab hours per week. P: ELET 3510, 3530. Cooperative learning capstone course integrates theory and practice to solve real-world problems. Addresses design application problems from circuit prototyping to computer network implementations, while sharing solution sets with peers.

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## **ENET: ENVIRONMENTAL ENGINEERING TECHNOLOGY**

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**2000. Introduction to Environmental Engineering Technology (3) (F)** Application of engineering principles for planning, designing, constructing, and operating environmental protection technologies.

**2900. Fundamentals of Engineering Hydraulics (3) (S)** Hydraulic principles basic to design, operation, and maintenance of water or wastewater utility.

**3400. Wastewater Treatment Technology (3) (F)** Fundamental principles and technology in water and wastewater treatment. Emphasis on reaction kinetics, separation process, biological process, and unit operations.

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## SECTION 8: COURSES

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**3550. Environmental Site Remediation (3) (F)** P: CHEM 2750; ENET 2000; GEOL 1700; or consent of instructor. For environmental technologists directly or indirectly involved in characterization and remediation of contaminated sites. Conventional, enhanced, and innovative treatment technologies currently used by environmental community. Includes applicable regulations and guidelines for site assessment and management.

**3850. Hazardous and Solid Waste Control Technology (3) (S)** Detailed examination of problems associated with designing and building landfills and how performance is monitored over time. Includes site selection, mass balance, landfill cover design, leachate collection, gas collection, and construction and operation.

**3950. Environmental Chemistry (3) (F)** Sources, transport, and effects of chemical elements and compounds in environment and their relationship with technology.

**4650. Air Pollution Control Engineering (3) (F)** Principles and practices. Emphasis on engineering control methods for particulate and gaseous air pollutants.

**4700. Engineering Thermodynamics (3) (S)** Emphasis on application of equilibrium, energy, and entropy in engineering problems.

**4990. Internship (3) (S)** 200-hour internship. P: Minimum of 15 s.h. of ENET. Supervised learning experience in approved environmental engineering facility.

### ENGL: ENGLISH

**1000. Appreciating Literature (3) (F,S,SS) (GE:HU)** For General College students. Introduction to past and present readings to enhance the student's enjoyment and understanding of literature.

**1100. Composition (3) (WI) (F,S,SS) (GE:EN)** Principles of expository writing and their application to writing tasks. Emphasis on methods of organization; techniques for developing unified, well-supported paragraphs and essays; grammatical conventions, proofreading and editing skills; and other important aspects of the writing process.

**1200. Composition (3) (WI) (F,S,SS) (GE:EN)** P: ENGL 1100. Instruction in critical reading, library research, and research writing. Analytical and argumentative writing.

**2000. Interpreting Literature (3) (WI) (F,S,SS) (GE:HU)** P: ENGL major, minor, academic concentration, or consent of dept; ENGL 1200. Principal genres of literature with attention to literary devices, techniques, and interpretation.

**2100. Major British Writers (3) (WI) (F,S) (GE:HU)** P: ENGL 1200. Major works of English literature.

**2123. Early Experiences for the Prospective Teacher (1) (F,S)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. May not count toward BA or minor for BA. May not count toward general education humanities requirement. P: ENGL 1200. Introduction to teaching of English.

**2200. Major American Writers (3) (WI) (F,S,SS) (GE:HU)** P: ENGL 1200. Major works of American literature before World War II.

**2700. Introduction to Language Studies (3) (F,S) (GE:HU)** P: ENGL 1200. Emphasis on origins of language, historical development of English, acquisition of language, relationship of meaning and language use, and role of linguistic diversity.

**2710. English Grammar (3) (F,S,SS)** May not count toward general education humanities requirement. P: ENGL 1200. Traditional grammar. Emphasis on syntax, forms and usages, and punctuation.

**2730. Functional Grammar (3) (WI) (F,S,SS)** For non-English major. May not count toward ENGL major. May not count toward general education humanities requirement. P: ENGL 1200. Practical English grammar. Emphasis on application, sentence patterns, and informational writing.

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**2740. Language in the USA (3) (F) (GE:HU)** Linguistic perspective on emergence of American English within the context of many languages spoken in the USA, both past and present. Issues related to language usage, language variation, and linguistic pluralism also discussed.

**2900. Introduction to Film Studies (3) (F,S) (GE:HU)** 3 lecture and 3 lab hours per week. P: 1000-level writing-intensive course or advanced placement or consent of instructor. Analyze and critique films.

**3000. History of Literature in English to 1700 (3) (WI) (F,S) (GE:HU)** P: ENGL major; minor; academic concentration, or consent of dept; ENGL 1200. Literary history of England and America to 1700.

**3010. History of Literature in English, 1700-1880 (3) (WI) (F,S) (GE:HU)** P: ENGL major; minor; academic concentration, or consent of dept; ENGL 1200. Literary history of England and America from 1700 to 1880.

**3020. History of Literature in English, 1880-Present (3) (WI) (F,S) (GE:HU)** P: ENGL major; minor; academic concentration, or consent of dept; ENGL 1200. History of English, American, and Post-Colonial literatures from 1880 to the present.

**3230. Southern Literature (3) (WI) (F) (GE:HU)** Survey of southern literature from Antebellum writers, through the Southern Renaissance period, to contemporary writers.

**3250. Native American Literatures (3) (WI) (S) (GE:HU)** P: ENGL 1200. Emphasis on twentieth century

**3260. Black Literature in America (3) (WI) (F,S,SS) (GE:HU)** P: ENGL 1200. Emphasis on twentieth century.

**3270. The Frontier in American Literature (3) (WI) (F-OY) (GE:HU)** P: ENGL 1200. Westward expansion in America as depicted in popular fiction.

**3300. Women and Literature (3) (WI) (F,S,SS) (GE:HU)** P: ENGL 1200. Literature by and about women.

**3330. Early Twentieth-Century Drama (3) (WI) (F-EY) (GE:HU)** P: ENGL 1200. Drama from Ibsen to World War II. Selected plays of Ibsen, Strindberg, Chekhov, Synge, Shaw, Pirandello, and O'Neill.

**3340. Contemporary Drama (3) (WI) (F-OY) (GE:HU)** P: ENGL 1200. Trends in dramatic literature from World War II to present.

**3410. Introduction to Poetry (3) (WI) (F) (GE:HU)** P: ENGL 1200. Narration, description, metrics, tone and attitude, imagery, and theme in poetry.

**3420. The Short Story (3) (WI) (F,S,SS) (GE:HU)** P: ENGL 1200. History, development, and analysis of short story

**3430. Mystery Fiction (3) (WI) (S-OY) (GE:HU)** P: ENGL 1200. Development of detective, crime, suspense, and espionage fiction during last century.

**3450. Northern European Mythology (3) (WI) (F,S-OY) (GE:HU)** P: ENGL 1200. Major myths of Norse and Celtic people and their impact on English and American literature.

**3460. Classical Mythology (3) (WI) (S) (GE:HU)** Same as CLAS 3460 P: ENGL 1200. Major myths of ancient Greece and Rome and their impact on English and American literature.

**3470. Modern Fantasy (3) (WI) (S-EY) (GE:HU)** P: ENGL 1200; consent of instructor. History, development, types, and nature of fantasy during past century.

**3480. Science Fiction (3) (WI) (F,S) (GE:HU)** P: ENGL 1200. Development of genre from turn of century.

**3570. American Folklore (3) (WI) (F,S,SS) (GE:HU)** P: ENGL 1200. Types of American folklore with concentration on legends and tales.

**3600. Classics from Homer to Dante (3) (WI) (F) (GE:HU)** P: ENGL 1200. Classical and Medieval literature from Homer to Dante.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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- 3610. Human Values in Literature (3) (WI) (F-EY) (GE:HU)** P: ENGL 1200. Great works of literature that express enduring human values.
- 3630. The Bible as Literature (3) (WI) (S) (GE:HU)** P: ENGL 1200. Various literary genres in the Bible.
- 3640. Literature and Religion (3) (WI) (F-OY) (GE:HU)** May not be repeated for credit. Interrelationships of literature and religion. Exemplary literary artists vary.
- 3710. Advanced English Grammar (3) (S)** May not count toward general education humanities requirement. P: ENGL 2710 or equivalent. Principles of modern linguistic theory presented and applied to contemporary American English. Utilizes transformational-generative grammar model. Emphasis on practical applications to English language and literature.
- 3730. The Structure of English: Phonology and Morphology (3) (F) Formerly ENGL 5501** May not count toward general education humanities requirement. Contemporary linguistic theory and its practical application to teaching syntax and semantics components of English languages.
- 3740. The Structure of English: Syntax and Semantics (3) (S) Formerly ENGL 5502** May not count toward general education humanities requirement. Contemporary linguistic theory and its practical application to teaching syntax and semantics components of English languages.
- 3750. Introductory Linguistics (3) (S) (GE:HU)** P: ENGL 1200. Methods and techniques of linguistic analysis. Sample problems on phonological, morphological, syntactic, graphemic, and historic reconstruction levels. Emphasis on non-Indo-European languages.
- 3760. Linguistic Theory for Speech and Hearing Clinicians (3) (F,S)** May not count toward general education humanities requirement. P: ENGL 1200. Linguistic theory for precise formalization of adult language systems on morphophonological, syntactic, and semantic levels. Emphasis on practical applications to clinical speech therapy.
- 3810. Advanced Composition (3) (WI) (F,S,SS)** May not count toward general education humanities requirement. P: ENGL 1200. Advanced study of kinds of composition. Practice in effective writing.
- 3820. Scientific Writing (3) (WI) (F,S,SS)** May not count toward general education humanities requirement. P: ENGL 1200. Practice in assimilation and written presentation of scientific information.
- 3830. Introduction to Play Writing (3) (WI) (F)** May not count toward general education humanities requirement. P: ENGL 1200. Fundamentals of play writing: finding a voice with a point of view, writing dialog, scene construction, characterization, and plot development.
- 3840. Introduction to Poetry Writing (3) (WI) (F,S,SS)** May not count toward general education humanities requirement. P: ENGL 1200. Practice in poetry writing.
- 3850. Introduction to Fiction Writing (3) (WI) (F,S,SS)** May not count toward general education humanities requirement. P: ENGL 1200. Practice in prose fiction writing. Emphasis on the short story.
- 3860. Introduction to Nonfiction Writing (3) (WI) (F,S)** May not count toward general education humanities requirement. P: ENGL 1200. Techniques of writing, researching, and marketing nonfiction prose. Emphasis on writing skills.
- 3870. Introduction to Editing and Abstracting (3) (WI) (F,S)** May not count toward general education humanities requirement. Administrative, manuscript, copy, and production editing of nonfiction books, periodicals, and corporate documents.
- 3880. Writing for Business and Industry (3) (WI) (F,S,SS)** May not count toward general education humanities requirement. P: ENGL 1200. Composition with writing practice for students in business and industry.
- 3885. Writing and Publications Development/Process (3) (WI) (S)** May not count toward general education humanities requirement. P: ENGL 1200; consent of instructor. Development and writing processes (planning, preparing, production) of professional communication documents, such as computer documentation instructions, employee manual, and policy and procedural manuals. Aspects of publication management (scheduling and budgeting).

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- 3890. Critical Writing (3) (WI) (S-OY) (GE:HU)** P: ENGL 1200. Emphasis on critical theory and critical writing.
- 3895. Topics in Technical and Professional Writing (3) (WI) (S)** May not count toward general education humanities requirement. P: ENGL 1200; consent of instructor. Intensive study of special topic(s) in technical and professional communication announced by instructor before preregistration period.
- 4000. Introduction to Literary Theory (3) (F,SS)** P: English major, minor, or concentration or consent of dept. Comparative study of current approaches to reading literature in various contexts, beginning with New Criticism. Covers approaches such as reader-response, psychoanalytic, poststructuralist, feminist, and postcolonial.
- 4010. Medieval Literature (3) (WI) (S-OY) (GE:HU)** P: ENGL 1200. Literature from fifth to fifteenth centuries. Excludes Chaucer.
- 4020. Chaucer (3) (WI) (F-OY) (GE:HU)** P: ENGL 1200. Selections from Chaucer's poetry.
- 4030. Milton (3) (WI) (S-EY) (GE:HU)** P: ENGL 1200. Emphasis on *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*, and selected prose.
- 4040. Literature of the New World to 1820 (3) (WI) (S-OY) (GE:HU)** Various literatures of North America from writings about earliest explorations and encounters to those of early US. British, Spanish, French, Native American, and African American.
- 4050. Prose and Poetry of the English Renaissance (3) (WI) (F-EY) (GE:HU)** P: ENGL 1200. Emphasis on beginnings of forms and types.
- 4070. Shakespeare: The Histories (3) (WI) (F-EY) (GE:HU)** P: ENGL 1200. Close reading and critical study.
- 4080. Shakespeare: The Comedies (3) (WI) (F,S,SS) (GE:HU)** P: ENGL 1200. Close reading and critical study.
- 4090. Shakespeare: The Tragedies (3) (WI) (F,S,SS) (GE:HU)** P: ENGL 1200. Close reading and critical study.
- 4100. Seventeenth-Century Literature (3) (WI) (F-EY) (GE:HU)** P: ENGL 1200. Prose and poetry of seventeenth century England.
- 4120. Eighteenth-Century Literature (3) (WI) (S-EY) (GE:HU)** P: ENGL 1200. Prose and poetry of neo-classic and pre-romantic periods in British literature.
- 4150. The Romantic Period (3) (WI) (S-OY) (GE:HU)** P: ENGL 1200. Major poets.
- 4170. Victorian Literature (3) (WI) (F-OY) (GE:HU)** P: ENGL 1200. Major writers.
- 4200. American Literature, 1820-1865 (3) (WI) (F-OY) (GE:HU)** P: ENGL 1200. Major writers of Transcendental period. Poe, Emerson, Thoreau, Hawthorne, Melville, and Whitman.
- 4230. North Carolina Literature (3) (WI) (S-OY) (GE:HU)** P: ENGL 1200. Representative group of literary works examined from various critical perspectives.
- 4250. American Literature, 1865-1920 (3) (WI) (S) (GE:HU)** P: ENGL 1200. Representative writers of period between the Civil War and World War I. Twain, Dickinson, James, Crane, Wharton, and Dreiser.
- 4300. Recent British and American Writers (3) (WI) (S) (GE:HU)** P: ENGL 1200. Major works and trends in literature since World War II.
- 4323. The Teaching of English in High School (3) (F,S)** May not count toward BA ENGL major or minor. May not count toward general education humanities requirement. Must be taken immediately before student teaching. P: ENGL 4960. Methods of teaching language, composition, and literature in grades 7-12.

## SECTION 8: COURSES

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**4324. Internship in English (10) (F,S)** Full-time, semester-long internship. May not count toward general education humanities requirement. P: Admission to upper division; EDTC 4001; EDUC 3200; ENGL 4960; PSYC 3206; PSYC 4305 or EDUC 4400; a minimum grade of C in ENGL 2123, 2710, 3810, 4323. Observation and supervised internship in English in public secondary school.

**4325. Internship Seminar: Issues in English Education (1) (F,S)** P: Admission to upper division; C: ENGL 4324. Individualized study of problems or issues related to English education.

**4340. Ethnic American Literature (3) (WI) (S-OY) (GE:HU)** P: ENGL 1200. Examines multicultural literature, including African American, Native American, Jewish American, Hispanic American, and Asian American writers.

**4360. World Literature in English (3) (WI) (S-EY) Formerly ENGL 3100** P: ENGL 1200. Examines literature written in English worldwide, exclusive of the US and England.

**4510, 4520. Directed Readings (3,3) (F,S,SS)** P: ENGL major with consent of dept chair; ENGL 1200. Based on needs and interests of individual student.

**4530, 4540. Special Topics Seminars (3,3) (WI) (F,S)** P: Consent of instructor; ENGL 1200. Topics announced by instructor at preregistration period.

**4550, 4555. Senior Honors Seminar (3,3) (F,S)** 2 3-hour units in succession, but no grade or credit is recorded until the completion of the second 3-hour unit. P: ENGL 1200. Tutorially directed readings in selected area and research writing.

**4710. Teaching English as a Second Language: Theories and Principles (3) (F) Formerly ENGL 5503** May not count toward general education humanities requirement. Current theories and principles of teaching English to non-native speakers or speakers of nonstandard dialects.

**4720. Applied Linguistics for Language Teachers (3) (S) Formerly ENGL 5504** May not count toward general education humanities requirement. P: ENGL 4710. Pedagogical application of linguistic theory. Emphasis on teaching English as a second language.

**4890. Practicum: Careers in Writing (3) (WI) (F,S,SS)** May not count toward general education humanities requirement. Supervised internship. Minimum of 140 work and academic hours per semester. P: ENGL 1200; consent of instructor. Practical, professional writing in office or agency. Parallel readings and study.

**4891. Practicum: Careers in Writing (3) (WI) (F,S,SS)** May not count toward general education humanities requirement. Supervised internship. Minimum of 140 work and academic hours per semester. P: ENGL 1200; consent of instructor. Practical, professional writing in office or agency. Parallel readings and study.

**4910. Film Literature and History I (3) (WI) (F) (GE:HU)** P: 6 s.h. of literature or consent of instructor. World art and early history of films.

**4920. Film Literature and History II (3) (WI) (S) (GE:HU)** P: 6 s.h. of literature or consent of instructor; RP: ENGL 4910. World art and recent history of films.

**4950. Literature for Children (3) (WI) (F,S,SS) (GE:HU) Same as LIBS 4950** May not count as an advanced elective for ENGL majors. P: ENGL 1200. Early childhood through junior high school literature.

**4960. Literature for High School (3) (WI) (F) (GE:HU)** To be taken immediately before ENGL 4323. May not count as an advanced elective for ENGL majors. P: ENGL 1200. Literature for grades 7-12.

**4970. Literature for the Younger Adolescent (3) (WI) (F) (GE:HU)** May not count as an advanced elective for ENGL majors. May not count toward general education humanities requirement. P: Admission to upper division in MIDG or consent of instructor. Purpose and role of literature study in middle grades. Criteria for selection of appropriate literature, including literature for and about minority groups.

**5060. History of Literary Criticism (3)** Major texts of literary criticism from Plato through Pater.

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**5070. Twentieth-Century Literary Criticism (3)** Major critical approaches of twentieth century.

**5125. The English Novel Through Hardy (3)** Development of English novel: Defoe, Richardson, Fielding, Austen, the Brontës, Dickens, Thackeray, Eliot, Hardy and others.

**5150. The Twentieth-Century British and American Novel (3)** Representative British and American novelists of twentieth century: Joyce, Woolf, Lawrence, Hemingway, Faulkner, and recent writers.

**5160. English Drama to 1642 (3)** Types and developments of English drama from beginnings in Middle Ages until 1642.

**5165. English Drama: Dryden to Sheridan (3)** Types and developments of English drama from Restoration to Romantic period.

**5170. Modern Drama (3)** Drama from Ibsen to present. Focus on British and American playwrights.

**5230. Southern Regional Literature (3)** Southern writing representing attitudes of region. Confined to literary genres.

**5250. The American Novel, 1800 to 1920 (3)** Development of American novel. Emphasis on Brown, Cooper, Hawthorne, Melville, Twain, Howells, James, Crane, Dreiser, and Cather.

**5260. The Novel Since 1945 (3)** Contemporary novel in English. Emphasis on American and British works.

**5275. Nineteenth-Century Poetry (3)** Major British and American poets.

**5280. Twentieth-Century Poetry (3)** Variety of voices that comprise poetry written in English.

**5330. Studies in Women's Literature (3)** May be repeated for credit by graduate students. Writings of women within the context of feminist scholarship and criticism. Focus on genre within a literary period or a specific national/international context.

**5350. Special Studies in Film (3)** May be repeated for credit by graduate students. Aspects of world film literature. Topics to be announced by instructor.

**5360. Studies in African-American Literature (3)** May be repeated for credit by graduate students. Critical methodologies relating to development of African-American literature. Focus on genre or historical context.

**5500. Linguistic and Cultural History of the English Language (3)** May not count toward general education humanities requirement. Cultural emergence and linguistic development.

**5770. Advanced Editing (3)** May not count toward general education humanities requirement. P: ENGL 3870 or consent of instructor. Advanced study of and practice in various editorial functions as applied to non-fiction books, periodicals, and corporate documents.

**5780. Advanced Writing for Business and Industry (3)** May not count toward general education humanities requirement. P: ENGL 3880 or consent of instructor. Advanced composition with extensive writing practice.

**5840. Advanced Poetry Writing (3)** Graduate students may repeat for a maximum of 9 s.h. May not count toward general education humanities requirement. P: ENGL 3840 or consent of instructor. Advanced poetry-writing practice.

**5850. Advanced Fiction Writing (3)** Graduate students may repeat for a maximum of 9 s.h. May not count toward general education humanities requirement. P: ENGL 3850 or consent of instructor. Practice in prose fiction writing. Emphasis on publication.

**5860. Advanced Non-Fiction Writing (3)** Graduate students may repeat for a maximum of 9 s.h. May not count toward general education humanities requirement. P: ENGL 3860 or consent of instructor. Practice in non-fiction prose writing. Emphasis on publication.

**5890. Advanced Script Writing (3)** P: ENGL 3830; consent of instructor. Completion of one-act play or major portion of full-length play or screenplay.



## SECTION 8: COURSES

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### ENGL Banked Courses

2750. Grammar and Linguistics for Elementary Education (3)  
2800. Critical Reading (3)  
3490. Satire (3)  
3620. Oriental Literature (3)  
3800. Computing for the Humanities (3)  
4319. Teaching English/Language Arts in the Middle Grades (3)  
5120. English Drama (3)  
5130. The English Novel through Jane Austen (3)

5140. The English Novel from Scott through Hardy (3)  
5190. The Aesthetic Movement (3)  
5270. Contemporary Poetry (3)  
5390. Advanced Studies in Science Fiction and Fantasy (3)  
5410. Pre-Shakespearean Drama (3)  
5460. Early Twentieth-Century Poetry (3)  
5740. Modern Prose Literature (3)

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### ETHN: ETHNIC STUDIES

**2001. Introduction to Ethnic Studies: Humanities (3) (F,S,SS) (GE:HU)** May count toward either the ETHN minor or the general education humanities requirement. May receive credit for one of ETHN 2001, 2002, 2003. Comparative analysis of minority groups in US. Focus on social, cultural, historic, economic, and political aspects of each groups experience in America. Social and cultural sources of bias and discrimination explored through literature and philosophy.

**2002. Introduction to Ethnic Studies: Social Science (3) (GE:SO)** May count toward either the ETHN minor or general education social sciences requirement. May receive credit for one of ETHN 2001, 2002, 2003. Comparative analysis of minority groups in US. Focus on social, cultural, historic, economic, and political aspects of each groups experience in America. Social and cultural sources of bias and discrimination explored through the social sciences.

**2003. Introduction to Ethnic Studies: Fine Arts (3) (GE:FA)** May count toward either the ETHN minor or general education fine arts requirement. May receive credit for one of ETHN 2001, 2002, 2003. Comparative analysis of minority groups in US. Focus on social, cultural, historic, economic, and political aspects of each groups experience in America. Social and cultural sources of bias and discrimination explored through visual and performing arts.

**3500. Selected Topics in Ethnic Studies (3)** May be repeated for credit with change of topic. P: ETHN 2001 or 2002 or 2003 or consent of director. Interdisciplinary seminar.

**4000. Directed Readings in Ethnic Studies (3)** P: ETHN 2001 or 2002 or 2003; consent of director. Indepth exploration and written senior-level paper on topic relevant to ethnic studies.

**5000. Directed Readings in Ethnic Studies (3)** Graduate credit only. P: ETHN 2001 or 2002 or 2003; consent of director. Indepth exploration and written senior-level paper on topic relevant to ethnic studies.

**5500. Studies in Ethnicity (3)** Graduate credit only. P: ETHN 2001 or 2002 or 2003 or consent of program director. Theoretical and methodological issues.

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### EXSS: EXERCISE AND SPORT SCIENCE

**1000. Lifetime Physical Activity and Fitness Laboratory (1) (F,S,SS) (GE:EX)** Investigation of efficiency of human performance through study of variables related to total fitness, physical fitness, diet, weight control, degenerative diseases, physiological effects of exercise, and significance of motor skills development. Physical activity as a way of life. Emphasis on role physical activity should play in leisure-oriented societies.

**1014. Elementary Basketball (1)** For beginners. 2 hours per week. P: EXSS 1000.

**1015. Elementary Softball (1)** For beginners. 2 hours per week. P: EXSS 1000.

**1018. Elementary Swimming (1)** For beginners. 2 hours per week. P: EXSS 1000.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**1021. Elementary Tennis (1)** For beginners. 2 hours per week. P: EXSS 1000.

**1022. Intermediate Tennis (1)** For students who have mastered fundamentals of tennis. 2 hours per week. P: EXSS 1000. Additional skill development and practice.

**1025, 1026, 1027. Adapted Activities (1,1,1) (GE:EX)** For students with physical disabilities. P: Physical disability which restricts student from taking part in EXSS 1000.

**1051. Beginning Gymnastics (1)**

**1060. Introduction to Sailing (1) Same as RCLS 1060** For beginners. 2 hours per week. P: EXSS 1000.

**1101. Physical Conditioning (1) (F,S,SS)** 2 hours per week. P: EXSS 1000.

**1104. Archery (1)** 2 hours per week. P: EXSS 1000.

**1114. Aerobic Dance (1) (F,S,SS)** 2 hours per week. P: EXSS 1000.

**1116. Badminton (1)** 2 hours per week. P: EXSS 1000.

**1118. Intermediate Swimming (1)** For students who have mastered fundamentals of swimming. 2 hours per week. P: EXSS 1000. Additional skill development and practice.

**1119. Volleyball (1)** 2 hours per week. P: EXSS 1000.

**1120. Golf (1)** 2 hours per week. P: EXSS 1000.

**1139. Bowling (1)** 2 hours per week. P: EXSS 1000.

**2122. Motor Development (2) (F,S)** P: BIOL 2130, 2131; C: EXSS 2123. Foundation for planning appropriate motor ability programs throughout life span. Emphasis on birth through adolescence. Observational skills and assessment tools.

**2123. Early Experiences for the Prospective Teacher (1) (F,S)** For prospective teachers. Minimum of 16 clock hours of directed observations and planned participation in appropriate school environments and 8 clock hours of seminar class instruction in the teaching area. May not count toward major or minor for the BA degree. C: EXSS 2122. Introduction to teaching of physical education

**2202. Motor Learning and Performance (3) (F,S,SS)** Introduction to fundamental principles involved in learning and performing motor skills in a variety of contexts.

**2278. Basic Scuba Diving (3)** For beginners. 2 classroom and 3 lab hours per week. P: Satisfactory performance on the NAUI Swimming Test; a notarized statement releasing the instructor and the university from all liability; a satisfactory medical history and medical examination. Basic instruction in fundamental skills and safety patterns. NAUI certification upon satisfactory completion of course.

**2323. Principles of Physical Education (2) (F,S,SS)** Basic introduction to physical education. Philosophical, historical, biological, physiological, sociological, and political foundations of physical education.

**2500. Dance in the Schools (2) (F,S,SS)** 1 lecture and 3 lab hours per week. P: EXSS 1000. Introduction to Laban's educational dance framework. Creative, folk, and social dance and methods for presenting in schools.

**2600. Children's Movement Patterns (2) (F,S,SS)** P: EXSS 1000. Content knowledge and learning experiences in educational games, gymnastics, and fitness for children K-6.

**2700. Gymnastics in the Schools (2) (F,S,SS)** For physical education majors. 4 lab hours per week. P: EXSS 1000. Comprehensive gymnastics. Educational gymnastics (grades K-6) and skills for Olympic gymnastics (grades 7-12).

**2704. Tutoring (1)** Assignment to activity classes for training and experience in actual conduct of class work.

## SECTION 8: COURSES

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**2727. Sports Officiating: Football, Touch and Flag Football (2)** 4 lecture/lab hours per week for 10 weeks. Football and touch and flag football rules and interpretations. Emphasis on proper mechanics, techniques, and responsibilities in officiating.

**2730. Sports Officiating: Baseball and Softball (1)** 4 lecture/lab hours per week for 5 weeks. Baseball and softball rules and interpretations. Emphasis on proper mechanics, techniques, and responsibilities in officiating.

**2777. Lifeguard Training (2)** 2 1 and 1/2 hours sessions per week. P: Proficiency in basic swimming skills needed in lifesaving. Aquatic skills and lifesaving techniques for certification by American Red Cross.

**2788. Water Safety Instructors Training Course (3)** 6 hours per week of integrated lecture and lab work. P: EXSS 2777 or consent of instructor. Preparation for teaching swimming courses (beginning through advanced levels) for individuals of all ages and for operating and maintaining pools.

**2900. Teaching Skillful Movement (3) (F,S,SS)** 2 lecture and 2 lab hours per week. P: EXSS 2323; P/C: EXSS 2202. Introduces teaching of motor skills. Design and presentation of effective learning experiences for psychomotor skill development through lesson development for peer teaching.

**3278. Skin and Scuba Diving Leadership (3)** For experienced, knowledgeable, and certified divers. 6 hours per week. P: EXSS 2278 or consent of instructor; minimum age of 18 by completion of the course; 1 year of diving experience with appropriate dives and hours logged; verification of good physical condition as indicated by a recent medical examination; personal diving equipment suitable for open water; a completed standard application with a clear, recent photograph. Preparation for teaching skin and scuba diving and/or attaining dive-master certification.

**3300. Applied Sports Psychology (3)** P: PSYC 1000. Psychomotor theory as applied to athletic performance and coaching. Focus on understanding and enhancement of psychomotor skills related to optimal athletic performance.

**3301. Physical Education and Sport in Modern Society (3) (F,SS)** May not count toward general education requirements. Social organization of sport and its relationship to basic aspects of institutional structure, cultural patterns, and dynamics of American society.

**3510. Lifetime Activities (1) (F,S,SS)** 2 lab hours per week. P: Declared EXSS major and EXSS 1000. Basic skills and knowledge in archery, golf, badminton, and racquet sport variations.

**3520. Team Sports (1) (F,S,SS)** 2 lab hours per week. P: Declared EXSS major and EXSS 1000. Basic skills and knowledge in basketball, softball, and volleyball.

**3530. Field Sports (1) (F,S,SS)** 2 lab hours per week. P: Declared EXSS major and EXSS 1000. Basic skills and knowledge in flag football, soccer, speed ball, and other field sport variations.

**3540. Track and Field/Physical Conditioning (1) (F,S,SS)** 2 lab hours per week. P: Declared EXSS major and EXSS 1000. Basic skills and knowledge in track and field. Purposes and methods of various modes of physical conditioning and their application.

**3545. Practices and Procedures in Physical Education for Elementary Schools (2)** Satisfies EXSS requirement for elementary education. Not open to EXSS majors. P: Elementary education major or consent of instructor. Emphasis on selection of materials and presentation methods to be utilized with physical education in grades K-6.

**3600. Coaching Theories (2)** Coaching as profession. Ramifications for coaching responsibilities.

**3804. Measurement of Physical Activity and Fitness (3) (F,S,SS)** 2 lecture hours and 1 lab hour per week. P: ASIP 2112 or DSCI 2223; EXSS 2323; or consent of instructor. Practical methods for measuring physical activity and fitness. Application of data management and analysis to these measures.

**3805. Physiology of Exercise (3) (F,S,SS) Formerly EXSS 4805** 2 lecture and 2 lab hours per week. P: Health and human performance major or minor or consent of dept chair; BIOL 2130, 2131. Immediate and lasting effects of physical exercise on physical and chemical processes of human body.

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**3850. Introduction to Biomechanics (3) (F,S,SS)** 2 2-hour lecture/lab classes per week. P: BIOL 2130, 2131; PHYS 1250, 1251; or consent of instructor. Fundamentals of neuromuscular function and biomechanics of human movement in healthy, injured, and diseased populations.

**3900. Elementary School Instruction in Physical Education (3) (F,S)** Extensive supervised practicum required. 1 lecture and 3 lab hours per week. P: Upper-division status; EXSS 2122, 2500, 2600, 2700, 2900. Skills and knowledge for teaching motor skills to children K-6.

**3906. Physical Education for Special Populations (3) (WI) (F,S,SS)** P: Upper-division status; EXSS 2323; SPED 2000; or consent of instructor. Procedures and techniques in physical education for special populations.

**3950, 3951, 3952. Practicum in Exercise Physiology (1,1,1) (F,S)** 10 lab hours per week. Must be taken in sequence. P: Consent of exercise physiology coordinator. Applied lab experiences in exercise physiology supervised by Human Performance Lab faculty.

**4278. Scuba Diving Instructor Training Course (3)** Minimum of 80-hour training program. 3 2-hour sessions per week. P: EXSS 3278; minimum age of 18 to be reached on or before completion of the course; a minimum of 1 year of diving experience since receiving open water diving certification with a total of at least 50 logged dives with 25 hours of bottom time; good physical condition for scuba diving as verified by a medical examination within the past year; certification in first aid, diving rescue techniques, or lifesaving and cardiopulmonary resuscitation; a completed NAUI waiver release and indemnity agreement and a NAUI instructor training course statement of understanding; own diving equipment. National Association of Underwater Instructor training course to train and evaluate candidates for certification as NAUI instructors.

**4300. Program Development and Management in Physical Education and Sports (2) (F,S,SS)** P: Upper-division status and EXSS 2323; or consent of instructor. Theories, research, and practical applications in current management techniques and program development.

**4323. Middle and High School Instruction in Physical Education (3) (F,S)** For preservice physical education teachers. 2 lecture and 2 lab hours per week. P: Upper-division status; EXSS 3510, 3520, 3530, 3540, 3900; P/C: EXSS 4804. Teaching skills appropriate for middle and high school instruction in physical education. Supervised teaching practicum and preparation for internship semester. Must pass with a minimum grade of C.

**4324. Internship in Exercise and Sport Science (10) (F,S)** Full-time, semester-long internship. P: Upper-division status; completion of upper-division courses, except READ 3990, EXSS 4325; C: EXSS 4325. Observation and supervised teaching in assigned physical education public school classroom.

**4325. Internship Seminar: Issues in Physical Education (0) (F,S)** P: Upper-division status; C: EXSS 4324. Individualized study of problems or issues pertinent in physical education pedagogy.

**4500, 4501, 4502. Independent Study in EXSS (1,2,3)** P: Consent of instructor. Individualized program developed through student initiative in consultation with designated instructor.

**4800. Internship in Physical Activity and Fitness (12) (F,S,SS)** Supervised field experience. 480 hours per semester. P: Satisfactory completion of all other degree requirements or consent of dept chair. Development of applied competence in physical activity and fitness leadership.

**4804. Measurement and Evaluation in Exercise and Sport Science (3) (F,S,SS)** 2 lecture and 2 lab hours per week. P: Upper-division status; EXSS 2323; MATH 1065; health and human performance major or minor or consent of dept chair. Development of competencies needed for evaluation in exercise and sport science. Emphasis on basic statistics, selection, and administration of standardized tests, test construction, planning for evaluation programs, and appropriate microcomputer applications.

**4806. Exercise Evaluation and Prescription (4) (WI) (F,S,SS)** 3 lecture and 2 lab hours per week. P: Health and human performance major or minor; EXSS 3805; or consent of chair. Study methods for assessing fitness and developing training techniques in asymptomatic populations.

## SECTION 8: COURSES

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**4850. Exercise Leadership (3) (F,S,SS)** 2 lecture and 2 lab hours per week. P: EXSS 3805. Leadership experiences in physical activity settings. Knowledge and skills associated with leading others to become physically active. Exercise leadership experiences to develop instructional skills for diverse physical activity settings.

**4991. Independent Research in Exercise Physiology (3) (WI\*) (F,S)** 9 lab hours per week. P: EXSS 3950, 4806; or consent of exercise physiology coordinator. Plan and execute investigative study in exercise physiology under supervision of faculty mentor.

**4992. Research Internship in Exercise Physiology (12) (F,S,SS)** 40 lab hours per week for 15 weeks. P: Completion of all other requirements for the exercise physiology option or consent of internship coordinator. Professionally supervised research experience in approved research lab.

**5001. Nutrition and Exercise (3) (S) Same as NUHM 5001** P: EXSS 3805; NUHM 2105; or consent of instructor. Relationship of basic nutrition principles to sport and physical activity.

**5020. Exercise Adherence (3)** P: PSYC 1000; P/C: EXSS 4806; HHP major or minor or consent of instructor. Personal and situational factors which result in adherence to an exercise program. Focus on application of strategies for improving adherence.

**5278. Advanced SCUBA Diving (3)** 2 lecture and 3 lab hours per week. P: Satisfactory performance on the NAUI Swimming Test; EXSS 2278 or consent of instructor; a notarized statement releasing the instructor and the university from all liability; a satisfactory medical history and medical examination. Variety of safe diving experiences under controlled conditions beyond basic open water diving levels.

**5303. Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities (3)** 2 lecture and 3 field work hours per week. P: EXSS 3545 or 3546; SPED 5101; or consent of instructor. For physical educators, special educators, therapeutic recreation specialists, and others concerned with providing physical activity programs to individuals with developmental, emotional, or learning disabilities.

**5305. Motor Development (3)** P: EXSS 2800 or equivalent or consent of instructor. Application of motor development theory and techniques to numerous settings. Descriptions of changes in movement patterns and skills and examination of underlying processes which influence these changes.

**5800. Physical Activity and Aging (3)** P: GERO 2400 or consent of instructor. Role of physical activity and exercise in enhancing quality of life and remediating normal aging deficits and age-related disease. Includes physiological, cognitive, and affective perspectives.

**5903. Physical Activity Programs for Individuals with Orthopedic, Neurologic, and Sensory Impairments (3)** 2 lecture and 3 field work hours per week. P: BIOL 2130 or equivalent. For physical educators, special educators, therapeutic recreation specialists, and others concerned with providing physical activity programs to individuals with orthopedic, neurologic, and sensory impairments.

**5904. Methods in Adaptive Aquatics (2)** 1 classroom and 3 lab hours per week. P: Advanced lifesaving certification. Swimming techniques as adapted for individuals with acute and chronic disabling conditions.

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### EXSS Banked Courses

|   |   |
|---|---|
| 1052. Intermediate Gymnastics (1)           | 3612. Coaching Soccer (1)   |
| 1105. Recreational Activities (1)           | 3613. Coaching Basketball (1)   |
| 1109. Intermediate Modern Dance (1)         | 3614. Coaching Wrestling (1)  |
| 1111. Social Dance (1)                      | 3615. Coaching Football (1)   |
| 1121. Advanced Tennis (1)                   | 3616. Coaching Track and Field (1)                                      |
| 1150. Beginning Snow Skiing (1)             | 3617. Coaching Gymnastics (1)   |
| 1151. Intermediate Snow Skiing (1)          | 3618. Coaching Swimming (1)   |
| 1152. Advanced Snow Skiing (1)              | 3619. Coaching Baseball (1)   |
| 2728. Sports Officiating—Volleyball (1)     | 4347. Philosophy and Sport (3)  |
| 2729. Sports Officiating—Basketball (2) (2) | 5400. Activities in Physical Education for the<br>Elementary School (3) |
| 3610. Coaching Volleyball (1)               |   |
| 3611. Coaching Field Hockey (1)             |   |

### FACS: FAMILY AND CONSUMER SCIENCES

**4317. Curriculum Development (3) (F)** P: BVTE 2123. Philosophy and development of family consumer sciences education. Principles and procedures of curriculum and program development.

**4410. Professional Seminar (1)** P: Junior standing; consent of instructor. Development of professional practices related to family and consumer sciences. Topics vary.

**4411. Professional Internship (3) (F,S) Same as CDFR 4411** Minimum of 150 hours of directed work experience involving application of home economics skills. P: FACS 4410 or consent of instructor. Topics vary.

**5007. Special Problems in Family and Consumer Sciences Education (3) Same as HESC 5007** May be repeated for credit with change of topic. P: Consent of instructor. Special topics in selected areas of family and consumer sciences. Variable titles and content.

### FACS Banked Courses

|   |   |
|---|---|
| <b>2123. Early Experiences for the Prospective Teachers (1)</b> | <b>5301. Middle Grades Career Exploration: Service Clusters (3)</b> |
| <b>4400. Professional Presentations (3)</b>                     | <b>5321. Adult Education (2)</b>                                    |
| <b>5300. Middle Grades Career Exploration (3)</b>               |   |

### FINA: FINANCE

**1904. Personal Investing (3)** May not count toward business core or concentration area. Personal finance using stocks, bonds, real estate, mutual funds, and other financial alternatives.

**2244. Legal Environment of Business (3) (F,S,SS)** US system of jurisprudence, sources of the law, regulation of business, and principles of tort law, contracts, labor law, and property. Legal aspects of business organization.

**3144. Financial Markets (3) (F,S)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ECON 2113. Banks and financial intermediaries as sources of funds. Monetary system, structure, and organization of commercial banking. Nonbank intermediaries, monetary policy, and international markets.

**3244. Commercial Law (3) (F,S)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: FINA 2244 or consent of instructor. Selected traditional areas of law that affect the commercial community. Law of sales, bailments of personal property, commercial paper, secured transactions, bank deposits and collections, insurance, and other aspects of uniform commercial code.

## SECTION 8: COURSES

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**3554. Principles of Real Estate (3) (F,S)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ACCT 2401; ECON 2133. Economics of real estate. Legal instruments used in real estate transactions, real estate markets, and real estate businesses, and interactions of public and real estate activities.

**3724. Financial Management (3) (F,S,SS)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ECON 2113; MATH 2283; P/C: ACCT 2521. Financial control, capital budgeting techniques, cost of capital, rates of return, financial leverage, dividend policy, working capital management, and timing of financial policy.

**3824. Financial Analysis and Planning (3) (F,S)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: FINA 3724. Analysis of financial and accounting information and its impact on financial decisions and profit planning.

**3874. Insurance Planning (3) (F)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: FINA 3724. Fundamentals of life, health, and property insurance. Legal issues, cost, and insurance planning as part of retirement and estate planning.

**3904. Investments (3) (F,S)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ECON 2133; FINA 3724. Corporate and other securities as investments. Organization of capital markets and analysis and evaluation of securities and portfolios.

**4404. Security Analysis and Portfolio Management (3) (S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 3904. Techniques and theories used in analyzing securities. Selection, management, evaluation, and revision of portfolios.

**4454. International Finance (3) (S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 3724. Financing international trade and investments. Financial tools, principles, and problems of managing multinational business.

**4564. Real Estate Appraisal (3) (F)** Registration preference given to declared majors with a minimum 2.5 GPA. with a minimum 2.5 GPA. P: FINA 3554. Valuation of real property, appraisal for financing purposes, and factors and conditions affecting residential and commercial values. Methods of appraising real property, utilizing cost, market data, and income approaches.

**4574. Real Estate Management and Brokerage (3) (S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 3554. Organization and conduct of real estate brokerage. Social, economic, legal, and ethical responsibilities of real estate brokers and managers.

**4604. Real Estate Financing (3) (F)** Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 3554, 3724. Relationships among real estate, financial, and investor communities. Financing of real property assets.

**4654. Commercial Bank Management (3) (F)** Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 3144, 3824. Managing a commercial bank. American economy as viewed by commercial bank manager.

**4734. Financial Management II (3) (F,S,SS)** Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 3824. Application of various financial management decision-making techniques to complex business problems.

**4854. Employee Benefits and Retirement Planning (3) (S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 3724. Major estate planning strategies. Legal constraints, planning techniques, and introduction to tax issues.

**4964. Topics in Finance (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: Consent of dept chair. Consideration of new and advanced topics.

**4984. Topics in Real Estate (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: Consent of dept chair. Selected topics.

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## FINA Banked Courses

**4584. Real Estate Appraisal II (3)**

**4864. Life Insurance (3)**

## FLGC: FOREIGN LANGUAGES, GENERAL

### FLGC Banked Course

**1001, 1002. Foreign Language Generic Course (3,3)**

## FORL: FOREIGN LANGUAGE

**2600. Literature in Translation: The Holocaust (3) (S) (GE:HU)** May not count as elective toward major or minor requirements for the foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Nazis' crimes during World War II era and fascism in Europe. Examination and discussion of selected literary text and original documents, viewing of films, and meetings with Holocaust survivors.

**2620. French Literature in Translation (3) (GE:HU)** May not count as elective toward major or minor requirements for foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Principal genres of French literature from its origins to present. Selected literary texts read in English.

**2622. Francophone Literature of the Americas in Translation (3) (GE:HU)** May not count as elective toward major or minor requirements for foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Literature and culture of French-speaking regions of Americas through study of selected readings in translation.

**2624. Francophone Literature of Africa in Translation (3) (GE:HU)** May not count as elective toward major or minor requirements for the foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Literature and culture of French-speaking regions of Africa through study of selected readings in translation.

**2660. Spanish Literature in Translation (3) (GE:HU)** Not open to SPAN majors. May not count as elective toward major or minor requirements for the foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Selected literary texts from Spain. Emphasis on social, political, and cultural context.

**2661. Latin-American Literature in Translation (3) (WI) (GE:HU)** Not open to SPAN majors. May not count as elective toward major or minor requirements for the foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Selected works of major Latin-American writers.

**2665. Don Quixote (3) (WI) (GE:HU)** May not count as elective toward major or minor requirements for the foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Intensive study of world's first modern novel, Cervantes' Don Quixote.

**2666. Latino Texts (3) (GE:HU)** May not count as elective toward major or minor requirements for the foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Cultural and literary texts of various Hispanic groups living or having lived in US territory for large part of their lives from mid-nineteenth century to present.

**2680. German Literature in Translation (3) (GE:HU)** May not count as elective toward major or minor requirements for foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Selected texts from German-speaking world. Texts read in English.



## SECTION 8: COURSES

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**2700. Special Topics in French or Francophone Literature (3)** May not count as elective toward major or minor requirements for the foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Selected topics relating to literature of France or a French-speaking region of the world. Topics vary.

**2760. Special Topics in Hispanic Studies (3) (GE:HU)** May be repeated for maximum of 6 s.h. with change of topic. May not count as an elective toward major or minor requirements for the foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Selected topics relating to culture or civilization of Spain or Latin America.

**3660. Hispanic Women Writers (3) (GE:HU)** May be repeated for maximum of 6 s.h. with change of topic. May not be repeated for credit by women's studies students. May not count as elective toward major or minor requirements for foreign language degree programs. May not count toward foreign language requirement. Conducted in English; no knowledge of other languages required. Selected texts written by women in Hispanic countries from a literary, cultural, and historical perspective.

### FREN: FRENCH

**1001. French Level I (3)** Lab work. Recommended early in college career for BA students and potential French majors and minors. First of four-course sequence. Intensive training in basic skills of understanding, speaking, reading, and writing French. Focus on life and culture of French-speaking world.

**1002. French Level II (3)** Lab work. Recommended early in college career for BA students and potential French majors and minors. P: FREN 1001 or placement in 1002 by French placement test. Second of four-course sequence. Further intensive training in basic skills of understanding, speaking, reading, and writing French. Focus on life and culture of French-speaking world.

**1003. French Level III (3)** Lab work. Recommended early in college career for BA students and potential French majors and minors. P: FREN 1002 or placement in 1003 by French placement test. Third of four-course sequence. Intensive training leading to more advanced levels of achievement in understanding, speaking, reading, and writing French. Focus on life and culture of French-speaking world.

**1004. French Level IV (3)** Lab work may be required. Recommended early in college career for BA students and potential French majors and minors. P: FREN 1003 or placement in 1004 by French placement test. Fourth of four-course sequence. Further intensive training leading to intermediate-level proficiency in understanding, speaking, reading, and writing French. Readings and discussions further acquaint student with life, literature, and culture of French-speaking world.

**1220. French Language in France I (3)** P: FREN 1001 or consent of dept chair. French language at the Sorbonne (or another French university) in Cours Elementaire and lower levels of Cours Moyen. Upon their return, students may challenge French 1002 or 1003; those who received credit for French 1003 before leaving for France and who receive a minimum grade of C in France will automatically receive credit for French 1004.

**2330. Review of Grammar (3) (F)** Taught in French. P: FREN 1004 or equivalent. Extensive review of all aspects of French grammar in formal oral and written communication.

**2440. Readings in the Culture of France I (3) (GE:HU)** Taught in French. P: FREN 1004. Aspects of French culture. Emphasis on period from its origins to World War I. Reading and discussion of selected texts.

**2441. Readings in the Culture of France II (3) (GE:HU)** Taught in French. P: FREN 1004. Aspects of French culture. Emphasis on period from World War I to present. Reading and discussion of selected texts.

**2442. Readings in the Francophone Cultures of the Americas (3) (GE:HU)** Taught in French. P: FREN 1004. Aspects of major French-speaking regions of Canada, the Caribbean, and US. Reading and discussion of selected texts.

**2443. Readings in the Francophone Cultures of Africa (3) (GE:HU)** Taught in French. P: FREN 1004. Aspects of major French-speaking cultures of Africa. Reading and discussion of selected texts.

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**2611. Early Experiences for the Prospective Teacher (1) (S)** For prospective teachers. Taught in French. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. May not count toward BA or BS major professional or minor requirements. Introduces teaching of French.

**3100. French Business Communication (3)** Taught in French. P: FREN 2440 or 2441 or 2442 or 2443 Practical knowledge of business French. Preparation to deal effectively with business communication in Francophone world.

**3200. French Language in France II (3)** Taught in French. P: FREN 1004. French language at the Sorbonne (or another French university) in upper levels of Cours Moyen and Cours Supérieur.

**3225. Advanced Conversation (3)** Taught in French. P: FREN 2330. Direct and systematic use of spoken language. Intensive approach aimed at development of functional level of French communication.

**3330. Composition and Advanced Grammar (3) (WI)** Taught in French. P: FREN 2330. Principles of effective writing in French. Advanced review of grammar with emphasis on syntax, forms, and usage.

**3500. Introduction to Literature (3) (GE:HU)** Taught in French. P: FREN 2330 or consent of dept chair. Development of reading skills for understanding genre, concepts of literary structure, and criticism through analysis of selected writings.

**3555. France of the Middle Ages and Renaissance (3) (WI) (GE:HU)** Taught in French. P: FREN 3500 or consent of dept chair. France from its origins through sixteenth century. Emphasis on literary masterpieces.

**3556. France from Classicism to the French Revolution (3) (GE:HU)** Taught in French. P: FREN 3500 or consent of dept chair. France from end of Renaissance to end of Revolution. Emphasis on literary masterpieces.

**3557. France from the Napoleonic Period to World War II (3) (WI) (GE:HU)** Taught in French. P: FREN 3500 or consent of dept chair. France from beginning of Napoleonic period to World War II. Emphasis on literary masterpieces.

**3558. The Francophone World: Colonization to Independence (3) (GE:HU)** Taught in French. P: FREN 3500 or consent of dept chair. Major French-speaking areas of world outside France from beginning of colonization to their independence. Emphasis on literary masterpieces.

**3560. The Contemporary French and Francophone World (3) (GE:HU)** Taught in French. P: FREN 3500 or consent of dept chair. Emphasis on literary masterpieces.

**3700. Special Topics in French or Francophone Studies (3)** Taught in French. May be repeated for maximum of 6 s.h. with change of topic. P: Consent of dept chair. Selected topics relating to language, literature, culture or civilization of France or a French-speaking region of the world.

**4215. French Phonetics (3)** Taught in French. Lab required. P: FREN 3225. Physiology of correct French speech habits. Sound system of French contrasted with English. Phonetic transcription.

**4336. Introduction to Translation (3)** Taught in French. P: FREN 3330 or consent of dept chair. Intensive practice in French-English and English-French translation in variety of prose styles.

**4611. Teaching Second Languages in Grades K-12 (5) (F) Formerly FREN 4641** 5 lectures per week and 10 lab hours per semester. Includes 10 hours of field experience. May not count toward a BA major or minor in French. P: 18 s.h. of FREN above 1004 or consent of instructor. Modern methodologies, techniques and strategies, instructional resources, and evaluation procedures for teaching second languages in grades K-12.

**4700. Special Topics in French or Francophone Studies (3)** Taught in French. May be repeated for maximum of 6 s.h. with change of topic. P: Consent of dept chair. Selected topics relating to language, literature, culture or civilization of France or another French-speaking region.

## SECTION 8: COURSES

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**4880. Internship in French (10)** Full-time, semester-long internship. P: Admission to upper division; FREN 2330, 3225, 3330, 3500; 18 s.h. of FREN at the 2000 and 3000 levels; C: FREN 4881. Observation and supervised internship in an assigned French K-12 public school classroom.

**4881. Internship Seminar: Issues in French Education (1)** P: Admission to upper division; C: FREN 4880. Individualized study of problems or issues related to teaching French.

**4882, 4883, 4884. Internship for Professions (11,1) (F,S,SS)** Supervised internship in appropriate professional setting during junior or senior year of French degree program. P: Consent of dept chair. Fields may include but are not limited to business, industry, hotel and restaurant management, and social sciences.

**4950, 4951, 4952, 4953, 4954. Directed Readings in French (1 each)** P: Consent of dept chair. In-depth exploration of selected aspect of French culture (literature, civilization, etc.).

**4990. Honors (3) (F,S)** Taught in French. Open to students having a minimum GPA of 3.5 in French. Independent study under direction of faculty member in student's major area of interest. Research paper required.

**5305. Advanced Syntax (3)** P: FREN 3330 or graduate standing. Detailed and comprehensive study of most difficult points of French grammar. Directed practice in analyzing and writing exercises.

**5700. Special Topics in French or Francophone Studies (3)** May be repeated for maximum of 6 s.h. with change of topic. P: Consent of dept chair. Selected topics relating to language, literature, culture or civilization of France or another French-speaking region of the world.

### FREN Banked Courses

**1050. Introduction to French Lyric Literature (3)**

**1060. French for Reading Knowledge (0)**

**2108. Conversational French (3)**

**3260. The French Short Story (3)**

**4316. French Poetry (3)**

**4319. Teaching Foreign Languages in the Middle Grades (3)**

**4360. French Theatre (3)**

**4385. History of the French Language (3)**

**5350. The French Novel (3)**

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## GEOG: GEOGRAPHY

**1000. Introduction to Geography (3) (F,S,SS) (GE:SO)** Basic course to field of geography. Major physical and cultural elements of environment and their influence on man's activity.

**1200. Introduction to Physical Geography (3) (F)** May not count toward general education social sciences requirement. Fundamental processes that influence weather and climate, land form development, soil formation, water resources, and vegetative regimes with the purpose of better understanding their spatial interrelationships within human physical environment.

**1250. The Water Planet (3) (F,S) (GE:SO)** Importance of water in natural world. Cultural, economic, and legal issues associated with human uses of water.

**2003. Economic Geography (3) (F,S) (GE:SO)** Development of and contemporary issues in global economy from geographical perspective.

**2019. Geography of Recreation (3) (F) (GE:SO)** Spatial distribution and interaction of selected recreational phenomena. Basic ideas which have emerged over last decade explored for contributions to recreational decision making.

**2100. World Geography: Developed Regions (3) (F,S,SS) (GE:SO)** Introductory survey of the regions of the US and Canada, Europe, the former Soviet Union, Australia, and Japan. Emphasis on geographic aspects of physical environment, population, economy, resources, and current issues in each region.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

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**2110. World Geography: Less Developed Regions (3) (F,S,SS) (GE:SO)** Introductory survey of regions of Latin America, Sub-Saharan Africa, North Africa and the Middle East, South Asia, Southeast Asia, and China. Emphasis on geographic aspects of physical environment, population, economy, resources, and current issues in each region.

**2200. Weather and Climate (3) (F,S)** May not count toward general education social sciences requirement. Nonmathematical consideration of general weather and climatic processes and patterns. Surface and middle atmospheric (jet stream) features. Emphasis on North America.

**2250. Earth Surface Systems (3) (F)** May not count toward general education social sciences requirement. Basic understanding of natural systems operating on earth's surface that shape the natural environment. Focuses on global distribution of land forms and vegetation. Strong emphasis on hands-on learning.

**2300. Geography of Environmental Resources (3) (F)** May not count toward general education social sciences requirement. Location and development of environmental resources at world and national levels.

**2400. Spatial Data Analysis (3) (F,S)** May not count toward general education social sciences requirement. Foundation for data management and analysis in geographic information science. Introduces quantitative expressions common to geographic information science and descriptive and inferential spatial statistics.

**2500. Map and Aerial Photo Interpretation (3) (F,S,SS)** 4 lecture hours per week. May not count toward general education social sciences requirement. Principles of map reading and aerial photo interpretation as information sources on natural and manmade environment.

**3001. Historical Geography of the United States (3)** Growth and development of US through analysis of geographic conditions.

**3003. Political Geography (3) (WI) (S) (GE:SO)** Geographic factors in current national and world problems. Internal and external power, frontiers and boundaries, colonialism and neonationalism, and impact of technology.

**3004. Urban Geography (3) (F)** Origin and growth of urban areas. Relationship with one another as well as size, function, and tributary territory.

**3046. United States and Canada (3) (F) (GE:SO)** Intensive study of US and Canada based on analysis and comparison of regions.

**3047. Western Europe (3) (S) (GE:SO)** Brief geographic survey of Europe and detailed regional study of nations located in western Europe.

**3049. South America (3) (WI) (F) (GE:SO)** Geographic survey of physical environment, people, economy, arts, religions, historical background, and political aspects of South America.

**3050. Africa (3) (WI) (S) (GE:SO)** Physical and human background of Africa. Emphasis on political and economic role of sub-Saharan portion of continent in contemporary world.

**3051. Asia (3) (S) (GE:SO)** Geographic patterns, economy, population, and role of China, Korea, Japan, India, Pakistan, and Southeast Asia in world affairs.

**3055. North Carolina (3) (F) (GE:SO)** Physical and cultural survey of NC. Detailed study of geographic regions.

**3056. Middle America (3) (GE:SO)** Lands and people of Caribbean, Mexico, and Central America.

**3220. Soil Properties, Surveys, and Applications (3) (F)** Saturday field trip may be required. P: GEOG 2250. Physical and chemical properties of soil, soil-water relationships, soil-forming factors, county soil reports, and soil applications that involve land management decisions.

**3230. Global Climates (3) (S)** May not count toward general education social sciences requirement. P: GEOG 2200. Variation in global climates as related to atmospheric circulation patterns and processes.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**3250. Environmental Hazards (3) (F)** May not count toward general education social sciences requirement. P: GEOG 2200 or 2250. Various ways people and governments respond to natural and human-induced extreme events, human behavior in threatening or actual hazards, and public policies and programs designed to control or alleviate hazards.

**3300. Geographic Images (3) (F) (GE:SO)** Principles of human images of surrounding geographic environments at a variety of scales.

**3400. Quantitative Techniques in Geography (3) (F)** May not count toward general education social sciences requirement. P: GEOG 2400 or consent of instructor. Introduces quantitative techniques used in solving geographic problems. Emphasis on use of statistical packages on mainframe and microcomputers for analysis of spatial data.

**3410. Fundamentals of GIS (3) (F,S)** May not count toward general education social sciences requirement. Foundations for understanding and using geographical information systems. Emphasis on creation, visualization, and analysis of geographically referenced data. Important concepts surveyed and applied through hands-on experience.

**3420. Remote Sensing of the Environment I (3) (F)** May not count toward general education social sciences requirement. P: GEOG 3410 or equivalent. Basic understanding of digital image data and tools required to process, analyze, and interpret digital images.

**3430. Geographic Information Systems I (3) (F,S)** May not count toward general education social sciences requirement. P: GEOG 3410 or equivalent. Computer-based decision support systems. Involves integration of spatially-referenced data in problem-solving context. Concepts and application of GIS include data capture, storage, analysis, and display.

**3450. Introduction to the Global Positioning System (3) (S)** May not count toward general education social sciences requirement. P: GEOG 3410 or equivalent. Techniques for spatial referencing via a satellite-based navigation system.

**4001. Geography of Transportation and Trade (3) (S)** P: GEOG 2003. Forces leading to interaction of people and commodities between places, distribution and characteristics of transport networks, and effects of transportation flows on regions and nations.

**4050. Human Migration and Global Restructuring (3) (F) (GE:SO)** Human migration processes associated with political and economic restructuring in different regions of the globe.

**4140. Research Methods in Human Geography (3) (S)** May not count toward general education social sciences requirement. P: GEOG 2300; 15 s.h. in GEOG; or dept consent. Methods and techniques of field research in human geography.

**4191, 4192, 4193. Supervised Study in Regional Geography (1,2,3) (F,S,SS)** May be repeated for maximum of 6 s.h. May not count toward general education social sciences requirement. P: Consent of instructor. Individualized study of selected aspect of regional geography under direct supervision of faculty member.

**4210. Fluvial and Hydrological Processes (3) (S)** May not count toward general education social sciences requirement. P: GEOG 2200, 2250; or consent of instructor. Comprehensive examination of principles of surface water hydrology and fluvial geomorphology. Application of principles to environmental problems.

**4220. Coastal Geography (3) (WI) (S) Formerly GEOG 3002** May not count toward general education social sciences requirement. P: GEOG 2200, 2250; or consent of instructor. Comprehensive examination of coastal systems, including beaches, dunes, and estuaries. Focuses on processes that form and maintain systems, how landforms respond to those processes, and how human activities affect the system.

**4230. Land Form Analysis (3) (F)** May not count toward general education social sciences requirement. P: GEOG 2200, 2250; or consent of instructor. Earth's surface land forms, processes that create and change them, and their influence on human activities.

**4291, 4292, 4293. Supervised Study in Physical Geography (1,2,3) (F,S,SS)** May be repeated for maximum of 6 s.h. P: Consent of instructor. Individualized study of selected aspect of physical geography under direct supervision of faculty member.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

- 4320. Gender, Economy, and Development (3) (S)** May not count toward general education social sciences requirement. P: Consent of instructor. Role of gender in economic and development processes from geographical perspective.
- 4325. Resources, Population, and Development (3) (WI) (GE:SO) Formerly GEOG 3000** P: GEOG 2003 or consent of instructor. Demographic issues and population policies in relation to resource use and economic development from a geographical perspective.
- 4330. Agricultural Geography (3) (GE:SO)** Contemporary trends in global restructuring of agro food systems in both industrialized and developing nations.
- 4335. Geography of Tourism (3) (GE:SO)** Traditional and emerging forms of tourism development as they transform economic, social, cultural, and environmental landscapes inside and outside the US.
- 4391, 4392, 4393. Supervised Study in Human Geography (1,2,3) (F,S,SS)** May be repeated for maximum of 6 s.h. May not count toward general education social sciences requirement. P: Consent of instructor. Individualized study of selected aspect of human geography under direct supervision of faculty member.
- 4410. Advanced Cartographic Design and Production (3) (F,S)** May not count toward general education social sciences requirement. P: GEOG 3410 or equivalent experience. Continuation of GEOG 3410 at advanced level. Advanced mapping techniques such as animation. Internet mapping and production of publication-quality maps.
- 4420. Remote Sensing II (3) (S)** May not count toward general education social sciences requirement. P: GEOG 3420 or consent of instructor. Interpretation of environmental phenomena remotely sensed data by sensors on board aircraft and satellites. Emphasis on learning digital image processing from remote sensing perspective.
- 4430. Geographic Information Systems II (3) (S)** P: GEOG 3430 or consent of instructor. Advanced topics. Emphasis on development of GIS projects.
- 4491, 4492, 4493. Supervised Study in Geographic Techniques (1,2,3) (F,S,SS)** May be repeated for maximum of 6 s.h. May not count toward general education social sciences requirement. P: Consent of instructor. Individualized study of selected geographic technique under direct supervision of faculty member.
- 4801, 4802, 4803. Geographic Internship (1,2,3) (F,S,SS)** 60 hours of work responsibility for 1 s.h. credit. May be repeated for maximum of 6 s.h. May not count toward general education social sciences requirement. P: Consent of the director of geography internships; consent should be obtained during the semester prior to internship. Application of geographic principles in industrial, governmental, or business setting.
- 4900. Honors Research (3) (F,S)** P: Admission to GEOG honors program. Supervised reading and research in an area of geography that leads to preparation of senior honors thesis proposal.
- 4901. Senior Honors Thesis (3) (F,S)** P: GEOG 4900 with a grade of B or higher. Extensive program of supervised research in area of geography that leads to writing of senior honors thesis.
- 4999. Geography Professional Seminar (1) (F,S)** P: Consent of instructor. Design and completion of professional portfolio. Examines transition from undergraduate student status to professional life or continued education.
- 5220. Physical Geography Field Experience (3)** 10 classroom hours of orientation and organization over a 2-week period followed by 3 weeks (15 working days) in a field location. Undergraduates may not count toward general education social sciences requirement. P: GEOG 2200, 2250; or consent of instructor. Field-based introduction to basic aspects of physical geography research. Development of research questions, field techniques, use of modern instrumentation, and geographic analysis of field data.
- 5281, 5282, 5283. Selected Topics in Physical Geography (1,2,3)** May be repeated for up to 6 s.h. Undergraduates may not count toward general education social sciences requirement. P: Consent of instructor. Seminar on selected topic.

## SECTION 8: COURSES

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**5393. Seminar in Human Geography (3)** May be repeated for up to 6 s.h. Undergraduates may not count toward general education social sciences requirement. P: Consent of instructor. Seminar on selected topic in economic-human geography.

**5440. Techniques for Coastal Resource Analysis (3)** P: GEOG 3410. Application of geographic information science to coastal resource management.

### GEOG Banked Courses

**1100. World Regional Geography (3)**

**1201. Introduction to Physical Geography Laboratory (1)**

**2009. Human Geography (3)**

**2201. Weather and Climate Laboratory (1)**

**3008. Evolution of Cartography (3)**

**3048. Eastern Europe (2)**

**3201. Land Form Analysis Laboratory (1)**

**3221, 3222, 3223. Natural Regions of the United States Field Studies (1,2,3)**

**4072. Intermediate Cartography (3)**

**5009. Geography of Public and Private Parkland Use (2)**

**5020. Spatial Efficiency Analysis (3)**

**5022. Theories of Industrial Location (3)**

**5024. Regional Development (3)**

**5050, 5051. Nautical Charts and Navigation (3,0)**

**5084. Map Compilation and Design (3)**

**5098. Hydrology and Water Resources (3)**

**5191, 5192, 5193. Seminar in Regional**

**Geography (1,2,3)**

**5200. Climatology: Regions and Applications (3)**

**5210. Terrain Analysis (3)**

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## GEOL: GEOLOGY

**1500. Dynamic Earth (3) (F,S,SS) (GE:SC)** Introductory survey of geologic materials (minerals and rocks), topographic features on the continents and in the ocean basins, geologic structures (faults, folds, etc.), and various processes (plate tectonics, igneous activity, weathering, erosion, sedimentation, glaciation, mountain-building, etc.) that produce geologic features.

**1501. Dynamic Earth Laboratory (1) (F,S,SS) (GE:SC)** 3-hour lab per week. C: GEOL 1500. Study, classification, and identification of common minerals and rocks of the earth's crust; study of various topographic features as revealed on topographic maps and aerial photographs; and study of geologic structures as seen on geologic maps, structural cross sections, and aerial photographs.

**1550. Oceanography (4) (F,S) (GE:SC)** Introductory survey of geological, biological, chemical, and physical characteristics of marine environment, their interrelationships, and interaction between people and the ocean.

**1600. Earth and Life Through Time (4) (F,S) (GE:SC)** Survey of physical, chemical, and biological geologic events that have occurred on earth during its long history. Chronologic arrangement of these events in world-wide geologic time scale and consideration of their causes. Major theme is organic evolution.

**1700. Environmental Geology (4) (F,S) (GE:SC)** Interactions among basic geologic processes, geomorphic features, earth resources, and people whose activities are expanding and increasingly demanding geological agent.

**1800, 1801. Geology of the National Parks (4,0) (GE:SC)** 3 lectures and 1 2-hour lab per week. P: GEOL 1500. Geologic evolution and scenic features in our national park system. Topics include volcanoes, caverns, sea coasts, glaciation, arid regions, and fault block mountains. Relationship of scenery to geologic processes and materials.

**3000, 3001. Mineralogy (4,0) (F)** 3 lectures and 1 3-hour lab per week. P: A 1000-level GEOL course; P/C: CHEM 1150, 1151. Crystallography, physical and chemical properties, classification, origin, and occurrences of minerals. Emphasis on description and identification of hand specimens of about 150 common rock-forming and economic mineral species and their varieties.

**3100, 3101. Petrology (4,0) (S)** 3 lectures and 1 3-hour lab per week. P: GEOL 3000, 3001. Systematic approach to hand-specimen study and classification of igneous, metamorphic, and sedimentary rocks.

**3300, 3301. Structural Geology (4,0) (F)** 3 lectures and 1 3-hour lab per week. P: GEOL 1600. Study of structures resulting from tectonic formation of earth's crust and intrusion of molten magma.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

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(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**4000. Summer Field Course in Geology (6) (SS)** Full-time each week for the entire 6-week session. P: GEOL 3100, 3101, 3300, 3301. Stratigraphy, structure, geomorphology, and economic deposits of southwestern and central New Mexico and southern Colorado through basic mapping on topographic and photo bases. Mapping exercises involve wide variety of geologic features ranging from complexly faulted Mesozoic and Cenozoic rocks to isoclinally folded Precambrian rocks in areas of excellent exposures.

**4010, 4011. Sedimentology (4,0) (4010:WI) (F)** 3 lecture and 3 lab hours per week. P: GEOL 1600, 3100, 3101. Analysis of processes and products of sedimentation. Flow mechanics and sedimentary structures, depositional systems, sedimentation and tectonics, the effects of sea level on depositional systems, methods of description and classification of sediments and sedimentary rocks, and preparation of sedimentologic field reports.

**4020, 4021. Stratigraphy (3,0) (4020:WI) (S)** 2 lectures and 1 2-hour lab per week. P: GEOL 1600. Description, classification, and interpretation of stratified sedimentary rocks. Emphasis on principles and methodology.

**4200, 4201. Paleontology (4,0) (4200:WI) (S)** 3 lectures and 1 3-hour lab per week. P: GEOL 1600. Fossilized remains of principal animals that lived during earth history. Emphasis on paleontologic principles, especially as applied to invertebrate fossils. Topics include population dynamics, taxonomic principles, functional morphology, paleoecology, evolution, and biostratigraphy.

**4550, 4551. Honors Thesis (3,3) (F,S)** 9 research hours per week. P: Junior standing with minimum cumulative 3.0 GPA; completion of minimum of 20 s.h. in GEOL; a minimum grade of C and minimum 3.0 GPA in GEOL courses. Extensive program of carefully supervised reading and research in area of geology. Written report in scientific format.

**5000, 5001. Geomorphology (3,0)** 2 lectures and 1 3-hour lab per week. P: GEOL 1500, 1501; an additional 4 s.h. in introductory GEOL sequences; or consent of instructor. Advanced study of landforms, stages of their development, and agencies which have shaped them.

**5150. The Geologic Component of Environmental Science (3)** P: Introductory GEOL course or consent of instructor. Basic geologic knowledge and insights that support sound, rational, and science-based environmental decisions and policies in regard to land and water use. Topics include pollution abatement, clean up, and prevention; resource extraction, use, and conservation; and hazardous geologic processes.

**5300. Geology of Coastal Processes and Environments (3)** May include field trips to various coastal systems. P: GEOL 1550, 4010, 4011; or consent of instructor. Modern coastal systems. Diversity and distribution, complexity and dynamics of interacting processes and responses, origin and evolutionary history, and role of man as major modifying force.

**5350. Marine Geology (3)** P: GEOL 1550, 4010, 4011; or consent of instructor. Geology of world's ocean basins. Impact of geophysical, geochemical, and geobiological principles on concepts of origin and evolution of ocean basins; source, transportation, and deposition of marine sediments and formation of marine stratigraphic record; and role of oceanographic processes affecting earth history such as sea level fluctuation, plate tectonics, paleogeography, and paleoclimatology.

**5400, 5401. Optical Mineralogy (3,0)** 2 lectures and 1 3-hour lab per week. P: GEOL 3000, 3001. Theory and basic techniques for determining optical constants of crystals using a polarizing microscope and thin sections.

**5450. Introduction to Aqueous Geochemistry (3)** 2 lectures and 1 3-hour lab per week. P: CHEM 1150, 1151, 1160, 1161; or equivalent. Application of chemical principles to study of elements at earth's surface; their transportation in aqueous solutions; and weathering, groundwater, and surface water chemistry, geochemical cycles, and distribution of stable isotopes.

**5500, 5510, 5520. Directed Studies in Geology (2,2,2)** P: Senior or graduate standing in GEOL or consent of instructor. Independent study on selected topic. May include field work, directed readings, or some combination thereof. Occasionally special field study or course offered using one of these course numbers.

**5600, 5601. Economic Geology (3,0)** 2 lectures and 1 3-hour lab per week. P: GEOL 3000, 3001. Genesis, mode of occurrence, and utilization of mineral resources. Metals, nonmetals, and basic energy resources such as petroleum, coal, and uranium. Emphasis on geology of these resources and their relationship to modern technological society.



## SECTION 8: COURSES

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**5710, 5711. Ground Water Hydrology (3,0)** 2 lectures and 1 3-hour lab per week. P: GEOL 1500, 1501; or consent of instructor. Origin, occurrence, movement, quality, regional analysis, and management of ground water. Interrelationship of ground and surface water. Lab emphasis on aquifer test data collection and interpretation.

### GEOL Banked Courses

**1601. Historical Geology Laboratory (1)**  
**2101. Interpretation of Geologic Maps (1)**  
**3200, 3201. Introduction to Field Methods (2,0)**  
**3400, 3401. Geologic Field Studies of the Coastal Plain (3,0)**  
**3402. Engineering Geology (3)**

**4100, 4101. Sedimentation and Stratigraphy (4,0)**  
**5050. Regional Geomorphology of the United States (2)**  
**5250, 5251. Stratigraphy (3,0)**  
**5700, 5701. Geohydrology of Drainage Basins (3,0)**  
**5750, 5751. Introduction to Engineering Geology (3,0)**

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### GERM: GERMAN

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**1001. German Level I (3)** Lab work. Recommended early in college career for BA students and potential GERM majors and minors. First of four-course sequence. Intensive training in basic skills of understanding, speaking, reading, and writing German. Focus on life and culture of German-speaking world.

**1002. German Level II (3)** Lab work. Recommended early in college career for BA students and potential GERM majors and minors. P: GERM 1001 or placement in 1002 by German placement test. Second of four-course sequence. Further intensive training in basic skills of understanding, speaking, reading, and writing German. Focus on life and culture of German-speaking world.

**1003. German Level III (3)** Lab work. Recommended early in college career for BA students and potential GERM majors and minors. P: GERM 1002 or placement in 1003 by German placement test. Third of four-course sequence. Intensive training leading to more advanced levels of achievement in understanding, speaking, reading, and writing German. Focus on life and culture of German-speaking world.

**1004. German Level IV (3)** Lab work may be required. Recommended early in college career for BA students and potential GERM majors and minors. P: GERM 1003 or placement in 1004 by German placement test. Fourth of four-course sequence. Further intensive training leading to intermediate-level proficiency in understanding, speaking, reading, and writing German. Readings and discussions to further acquaint student with life, literature, and culture of German-speaking world.

**2420. Culture of the German-Speaking World (3) (GE:HU)** P: GERM 1004 or consent of dept chair. Selected contemporary aspects of cultures of German-speaking world through reading and discussion of selected texts.

**2421. Culture of the German-Speaking World II (3) (S) (GE:HU)** P: GERM 1004 or consent of dept chair. Aspects of cultures of German-speaking world within their historical contexts through reading and discussion of selected texts.

**2611. Early Experiences for the Prospective Teacher (1)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. May not count toward BA or minor. Introduces teaching of German.

**2700. Special Topics in German Studies (3)** P: GERM 1004 or consent of dept chair. Selected topics related to language, literature, culture, or civilization of German-speaking countries. Topics vary.

**3110. German Business Communication (3)** P: GERM 2420, 2421; or equivalent. Working knowledge of oral and written German as used in business world. Preparation for dealing effectively with business German in the US and abroad.

**3210. Conversation (3)** P: GERM 2420, 2421; or consent of dept chair. Direct and systematic use of spoken language. Intensive approach for developing functional levels of communication in German.

**3330. Composition and Advanced Grammar (3)** P: GERM 2420, 2421; or consent of dept chair. Principles of effective writing in German and advanced review of grammar. Emphasis on syntax, forms, and usage.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

**3350. Introduction to Translation Studies (3) (WI)** For students of all disciplines who expect to do specialized reading or research work in German. P: GERM 2420, 2421; or consent of dept chair. Translating skills from German to English. Emphasis on grammar and style, approaches to vocabulary learning, and decoding difficult structures. Readings from areas of general knowledge.

**3510. Introduction to German Literature (3) (GE:HU)** P: GERM 2420, 2421; or consent of dept chair. Development of reading skills necessary for understanding genre, concepts of literary structure, and criticism through analysis of selected writings.

**3520. The German-Speaking World from the Beginning to the Nineteenth Century (3) (GE:HU)** P: GERM 3510 or consent of dept chair. Emphasis on literary masterpieces.

**3530. The German-Speaking World of the Nineteenth Century (3) (GE:HU)** P: GERM 3510 or consent of dept chair. Emphasis on literary masterpieces.

**3540. The German-Speaking World from 1900 to 1945 (3) (GE:HU)** P: GERM 3510 or consent of dept chair. Emphasis on literary masterpieces.

**3550. The Contemporary German-Speaking World (3) (GE:HU)** P: GERM 3510 or consent of dept chair. Emphasis on literary masterpieces.

**3700. Special Topics (3)** May be repeated for maximum of 6 s.h. with change of topic. P: GERM 3510 or consent of instructor. Topics relating to language, literature, culture, or civilization of a German-speaking country. Topics vary

**4350. Phonetics and History of the German Language (3)** P: GERM 3210 or consent of dept chair. Introduces Germanic linguistics and history of German language. Emphasis on phonetics of modern German.

**4611. Teaching Second Languages in Grades K-12 (5) (F)** 5 lectures per week and 10 lab hours per semester. Includes 10 hours of field experience. May not count toward BA or minor. P: 18 s.h. above GERM 1004 or consent of instructor. Modern methodologies, techniques and strategies, instructional resources, and evaluation procedures for teaching second languages in grades K-12.

**4880. Internship in German (10)** Full-time, semester-long internship. P: Admission to upper division; GERM 3210, 3330, 3510; 6 s.h. GERM literature above 2999; 9 s.h. GERM electives above 2999. Observation and supervised internship in assigned German K-12 public school classroom.

**4881. Internship Seminar: Issues in German Teaching (1)** P: Admission to upper division; C: GERM 4880. Individualized study of problems or issues related to teaching German.

**4882, 4883, 4884. Internship for Professions (1,1,1) (F,S,SS)** Supervised internship in appropriate professional setting during junior or senior year of German degree program. P: Consent of dept chair. Fields may include but are not limited to business and industry.

**4950, 4951, 4952, 4953, 4954. Directed Readings in German (1 each)** P: Consent of dept chair. In-depth exploration of selected aspect of German culture (literature, civilization, etc.).

**4990. Honors (3)** P: Minimum 3.5 GPA in German. Independent study under direction of faculty member in student's major area of interest. Research paper required.

**5700. Selected Topics (3)** May be repeated for maximum of 6 s.h. with change of topic. P: Consent of dept chair. Selected topics relating to language, literature, culture, or civilization of a German-speaking country. Topics vary

## SECTION 8: COURSES

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### GERM Banked Courses

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| <b>1050. Introduction to German Lyric Literature (3)</b>                    | <b>4319. Teaching Foreign Languages in the Middle Grades (3)</b> |
| <b>2100. German Conversation (3)</b>  | <b>4361. German Literature of the Eighteenth Century (3)</b>     |
| <b>2220. Modern German Drama in Translation: The Theatre in Protest (3)</b> | <b>4362. The Classic Period (3)</b>                              |
| <b>3400. German Drama (3)</b>   | <b>4363. German Romanticism (ca. 1790-ca.1830) (3)</b>           |
| <b>3500. Nineteenth-Century Prose: The Novella (3)</b>                      | <b>4387. The Baroque Era (ca. 1600-ca. 1750) (3)</b>             |
| <b>3600. German Poetry (3)</b>  |  |
| <b>4100. The Modern German Novel (3)</b>                                    |  |

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### GERO: GERONTOLOGY

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**2400. Introduction to Gerontology (3) (GE:SO) Same as CDFR 2400; SOCW 2400** May count toward either the SOCI major or minor or general education social sciences requirement. Current theory and research from interdisciplinary perspective.

**5011. Perspectives on Death and Dying (3) Same as NURS 5011; SOCW 5011** P: Graduate- or senior-level standing or consent of instructor. Conditions and problems associated with facing death, dying, and survivorship. Awareness of values and attitudes as related to professional practice.

**5400. Seminar in Aging Studies (3) Same as CDFR 5400; SOCW 5400** Entry point for graduate certificate in gerontology; exit course for undergraduate minor in gerontology P: Consent of instructor. Topics include historical perspective on aging issues, normal aging and pathology, aging program administration, aging policy development, research in gerontology, rural aging, and aging and ethnicity.

**5901, 5902, 5903. Readings in Aging Studies (1,2, or 3) Same as CDFR 5901, 5902, 5903; SOCW 5901, 5902, 5903** May count maximum of 3 s.h. toward baccalaureate minor in GERO or graduate certificate in GERO. P: Consent of instructor and chair of instructor's home unit. Selected readings from monographs or journals. Focus on specialized areas in which student has taken one or more courses in either baccalaureate gerontology minor or graduate gerontology certificate.

### GERO Banked Courses

**4600, 4601. Practicum in Gerontology (3,3)**

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### GRK: GREEK

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**1001. Ancient Greek Level I (3)** First of two-course sequence. Training in principles of Greek grammar. Emphasis on reading skills. Correct pronunciation taught, but no other oral skills required. All communication in English.

**1002. Ancient Greek Level II (3)** P: GRK 1001 or consent of instructor. Second of two-course sequence. Completion of basic skills of Greek grammar. Elementary readings introduced and adjusted to student's level.

**1003. Ancient Greek Level III (3)** P: GRK 1002 or consent of instructor. Intensive review and application of basic skills of grammar acquired in GRK 1001-1002. Development of reading skills through works of major authors such as Plato, Xenophon, or Lysias.

**1004. Ancient Greek Level IV (3)** P: GRK 1003 or consent of instructor. Continued development of reading skills. Introduction to critical approaches to literature. Readings in poetry from plays of Euripides.

**3001. Homer and Hesiod (3) (GE:HU) Formerly GRK 2021** P: GRK 1004 or consent of instructor. Readings in ancient Greek from Homer's "Iliad" and "Odyssey" and from Hesiod's "Works and Days" and "Theogony."

**3002. Age of Herodotus (3) (GE:HU) Formerly GRK 2022** P: GRK 3001 or consent of instructor. Readings in ancient Greek from Herodotus' "Histories," the plays of Sophocles and Aristophanes, and from Dialogues of Plato.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

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**4521, 4522, 4523. Directed Readings in Greek (1,2,3)** May be repeated. P: Consent of instructor. In-depth exploration of selected aspect of Greek culture (literature, civilization, etc.).

## **HESC: HUMAN ENVIRONMENTAL SCIENCES**

**2126. Consumer Affairs (3)** Decision making, consumption patterns, and trends of marketplace consumer. Consumer information and protection.

**3990, 3991, 3992. Field Experience in Human Environmental Sciences (1,1,1) (F,S,SS)** Supervised professional work experience. May not be substituted for other required internships. P: HESC major or minor; minimum cumulative 2.0 GPA; minimum 2.5 GPA in HESC; 6 s.h. in applicable human environmental sciences area; consent of dean. Placement in area of student's major or minor.

**4500, 4501, 4502. Independent Study (3,3,3) (F,S,SS)** Problems in child development, family relations, food, nutrition, hospitality management, consumer economics, family resource management, apparel, textiles, and/or interior design.

**4521. Readings in Human Environmental Sciences (1) (F,S,SS)** Independent study in areas of student's interests.

**5005, 5006, 5007. Special Problems in Human Environmental Sciences (1,2,3)** May be repeated for credit with different titles. 5007 same as FACS 5007. P: Consent of instructor. Variable content and special topics in areas of human environmental sciences.

### **HESC Banked Courses**

**3999. Issues in Human Environmental Sciences (3)**

**4999. Professional Development in Human Environmental Sciences (3)**

## **HIMA: HEALTH INFORMATION MANAGEMENT**

**2000. Introduction to Health Information Management (2) (F)** Introduction to the profession.

**3000. Introduction to Medical Terminology (2) (F,S,SS)** May not count toward HIMA major. Study of medical language. Focus on building of medical vocabulary through word components.

**3013. Applied Medical Sciences I (3) (F)** P: HIMA major; BIOL 2130, 2131; COMM 2420; C: HIMA 3041. First of two-semester sequence. Integrated study of language of medicine, pathophysiology, and diagnostic and treatment modalities utilized in clinical medical practice.

**3018. Applied Medical Sciences II (3) (S)** P: HIMA 3013; C: HIMA 3046, 3048. Continuation of HIMA 3013.

**3020. Health Care Delivery Systems (1) (F)** P: HIMA major; COMM 2420; C: HIMA 3032. Continuum of care in health care industry. Historical development, organizational structure, and regulatory and accrediting bodies.

**3022. Professionalism in Health Information Management (1) (F)** P: HIMA major. Ethics, professional code of ethics, professionalism, and professional service.

**3025. Legal Aspects of Health Records (3) (WI) (S)** P: ENGL 3880 or ITEC 3290; HIMA 3013, 3020, 3032. Principles of law, ethics, regulation, and accrediting standards as applied to health records.

**3028. Health Care Reimbursement (1) (S)** P: HIMA 3020; C: HIMA 3048. Reimbursement in non-acute settings and physician practices. Emphasis on federal regulations.

**3032. Record Documentation Systems (3) (F)** P: HIMA major; COMM 2420; C: HIMA 3020. Origin, content, and format of health records across continuum of care.

**3038. Health Data Structures (1) (S)** P: HIMA 3013, 3032. Technical standards for health data structures. Emphasis on knowledge representation and content for computer-based health records systems.

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## SECTION 8: COURSES

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**3041. Diagnostic and Procedural Coding I (2) (F)** P: HIMA major; BIOL 2130, 2131; C: HIMA 3013. Coding of diseases and procedures by "International Classification of Diseases." Federal reimbursement regulations.

**3046. Diagnostic and Procedural Coding II (2) (S)** P: HIMA 3041; C: HIMA 3018. Continuation of HIMA 3041.

**3048. Health Service Coding (1) (S)** P: HIMA 3013, 3020; C: HIMA 3018, 3028. Coding services and procedures according to Health Care Financing Administration's "Common Procedure Coding System."

**3090. Professional Practice Experience I (1) (S)** Supervised learning experiences. P: ASIP 3228 or MGMT 3202; ASIP 4500; ENGL 3880 or ITEC 3290; HIMA 3022, 3032, 3041. Placement in health information services departments to strengthen student's competence in didactic information related to acute care setting.

**4000. Professional Practice Experience II (1) (F)** P: HIMA 3090. Continuation of HIMA 3090.

**4028. Topics in Health Information Management (1) (S)** P: HIMA 3038, 3041, 3048, 4000, 4050. New and advanced topics.

**4030. Quality Management in Health Care (2) (F)** P: HIMA 3018, 3025. Application of quality management principles across continuum of care.

**4046. Clinical Issues (1) (S)** P: HIMA 3028, 3046. Complex issues in coding using "International Classification of Diseases." Emphasis on reimbursement and automation.

**4050. Human Resource Management (2) (F)** P: ASIP 3228 or MGMT 3202; HIMA 3025; MGMT 4242 or PSYC 3241; C: HIMA 4052. Management, procurement, development, maintenance, compensation, and utilization of effective work force in health information services department.

**4052. Management of Health Information Services Department (2) (WI) (F)** P: ASIP 2311, 2312; HIMA 3090; C: HIMA 4050. Theoretical and practical applications of managerial functions of planning, organizing, and controlling health information services department.

**4055. Human Resource Management Seminar (1) (S)** P: HIMA 4050; C: HIMA 4057. Complex problems in human resource management.

**4057. Management of Health Information Services Department Seminar (1) (S)** P: HIMA 4052; C: HIMA 4055. Complex problems in management of health information services departments.

**4060. Concepts in Health Information Technology (4) (F)** P: ASIP 2112, 2212, 2213; or DSCI 2223; HIMA 3090. Major concepts of computer hardware, architecture, operating systems, and application software. Issues related to data and databases. Reinforces ability to use selected general purpose microcomputer applications.

**4065. Health Information Systems (2) (S)** P: HIMA 4060; C: HIMA 4075. Role of computers in gathering, recording, interpreting, and transmitting health care data.

**4075. Biomedical Research Support (1) (S)** P: HIMA 4060; MATH 2228 or 2283 or PSYC 2101; C: HIMA 4065. Design concepts and information systems that support research in biomedical and health services.

**4081, 4082, 4083. Directed Independent Project (1,2,3) (F,S,SS)** Hours vary by project. May be repeated for maximum of 6 s.h. with change of topic. P: HIMA major; consent of instructor. Selected project on new and advanced issue in health information practice. May include readings, research, or field work.

**4090. Capstone Professional Practice Experience (5) (S)** Supervised learning experiences on a full-time basis. P: All required HIMA major courses. Placement in affiliated organizations. Emphasis on administration and management.

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## HIST: HISTORY

**1030. World Civilizations to 1500 (3) (WI\*) (F,S,SS) (GE:SO)** May receive credit for one of HIST 1030, 1552. Evolution of world civilizations from prehistory to 1500.

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**1031. World Civilizations Since 1500 (3) (WI\*) (F,S,SS) (GE:SO)** May receive credit for one of HIST 1031, 1553. World civilizations since 1500 and their economic, social, cultural, and political development.

**1050. American History to 1877 (3) (WI\*) (F,S,SS) (GE:SO)** May receive credit for one of HIST 1050, 1550. History of US from discovery of America in 1492 to end of Reconstruction.

**1051. American History Since 1877 (3) (WI\*) (F,S,SS) (GE:SO)** May receive credit for one of HIST 1051, 1551. History of US from Reconstruction to present.

**1550. Honors, American History to 1877 (3) (F) (GE:SO)** May receive credit for one of HIST 1050, 1550. P: By invitation or consent of instructor. History of US from discovery of America in 1492 to end of Reconstruction.

**1551. Honors, American History Since 1877 (3) (WI\*) (S) (GE:SO)** May receive credit for one of HIST 1051, 1551. P: By invitation or consent of instructor. History of US from Reconstruction to present.

**1552. Honors, World History to 1500 (3) (F) (GE:SO)** May receive credit for one of HIST 1030, 1552. P: By invitation or consent of instructor. Evolution of world civilizations from prehistory to 1500.

**1553. Honors, History of Europe Since 1500 (3) (S) (GE:SO)** May receive credit for one of HIST 1031, 1553. P: By invitation or consent of instructor. World civilizations since 1500 and their economic, social, cultural, and political development.

**2012. American Business History (3) (WI\*) (F) (GE:SO)** History of business in America. Emphasis on evolution of business structure and function.

**2123. Early Experiences for the Prospective Teacher (1) (F,S)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. May not count toward BA major or minor. P: 6 s.h. in HIST and 6 s.h. in other social sciences. Introduction to teaching of history and social studies.

**2222. Western Europe Since 1500 (3) (F) (GE:SO)** History of Western Europe from Age of Discovery to present. Emphasis on development and growth of nation state system using Spain, France, England, and Germany as examples.

**2444. The History of Sports in Western Society (3) (F) (GE:SO)** Role of sports from ancient Greeks to twentieth century. Focus on how sports mirror historical developments and social and cultural trends.

**3000. History: Its Nature and Method (3) (WI\*) (F,S) (GE:SO)** P: 6 s.h. in HIST. Introduction to historical thought and method and varieties and uses of history.

**3005. Selected Topics in History (3) (WI\*) (GE:SO)** May be repeated for credit with change of topic. May count 3 s.h. toward HIST major or minor. Selected topics from historical perspective.

**3010. Constitutional History of the United States to 1888 (3) (GE:SO)** Constitutional development of US from colonial period through Waite Court.

**3011. Constitutional History of the United States Since 1888 (3) (GE:SO)** Constitutional evolution of US. Emphasis on Supreme Court's response to industrial developments, politics, war, and civil liberties.

**3031. Economic History of the United States Since 1865 (3) (GE:SO)** Economic development of US since Civil War.

**3100. North Carolina History (3) (F,S) (GE:SO)** Not open to history majors and minors. Political, social, and economic developments in NC from colonial era to present.

**3110. History of African-Americans (3) (F) (GE:SO)** Narrative account of African-Americans in America from 1619 to present. Brief consideration of African origins and heritage. Explores political, economic, legal, cultural, and intellectual aspects of the African-American experience.

## SECTION 8: COURSES

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**3121. American Military History to 1900 (3) (F) (GE:SO)** May not be taken by students who have successfully completed HIST 3120. History of military thought and institutions in US from era of American Revolution through nineteenth century. Emphasis on interrelationship between war and society by study of political, economic, and social aspects of military affairs.

**3122. American Military History Since 1900 (3) (S) (GE:SO)** May not be taken by students who have successfully completed HIST 3120. American military thought and institutions since 1900. Emphasis on interrelationship between war and society by study of political, economic, and social aspects of military affairs.

**3130. Problems in American History (3)** Principal turning points in American history. Emphasis on varying interpretations.

**3140. Women in American History (3) (F,S) (GE:SO)** Variety of women's experience in American history. Role of women in nation's social, economic, political, and cultural development.

**3200. Diplomatic History of the United States (3) (WI\*) (GE:SO)** American diplomatic history from 1776 to present. Emphasis on major episodes, policies, and personalities.

**3205. History of American Urban Life (3) (GE:SO)** May receive credit for one of HIST 3205, 5210. Historical assessment of importance of the American city in US history.

**3210. Colonial America to 1763 (3) (WI\*) (GE:SO)** Discovery and settlement of North America by Europeans. Evolution of English colonies to era of American Revolution.

**3215. American Revolution and the Federal Era, 1763-1800 (3) (WI\*) (GE:SO)** Military and political history of War for Independence, problem of constructing a new nation as a union of states, making and ratification of Federal Constitution, and rise of political parties during Federal Era.

**3225. The Era of Sectionalism and Civil War, 1848-1877 (3) (GE:SO)** Rise of sectionalism and events of Civil War and Reconstruction.

**3230. The Birth of Modern America, 1865-1892 (3) (WI\*) (GE:SO)** Major historical trends in US from end of Civil War to 1890s.

**3235. The Era of Populism and Progressivism in American History, 1892-1919 (3) (GE:SO)** US history from 1892 to 1919. Compares Populist and Progressive movements and shows emergence of US as a world power.

**3240. The Age of Franklin Roosevelt, 1919-1945 (3) (WI\*) (GE:SO)** US politics and society of 1920s, Great Depression, New Deal, and background and impact of World War II.

**3245. The United States Since 1945 (3) (WI\*) (F) (GE:SO)** Economics, politics, and society of US from Truman years to present.

**3300. History of American Rural Life (3) (F) (GE:SO)** Rural America from pre-contact to present. Major themes include regional development of agricultural economy, agrarian ideology, myths and realities of family farms, farm protest and public policy, and representations of American rural life in literature, music, and film.

**3333. Biography and History (3) (GE:SO)** May be repeated for credit with change of topic. May count maximum of 3 s.h. may count toward HIST major or minor. Selected influential people and their impact on society.

**3405. History of Ancient Greece to 146 BC (3) (GE:SO)** Political, social, and cultural developments in Greece from 800 BC to 146 BC.

**3406. War and Society in Ancient Greece and Rome (3)** Military and social history of Ancient Greece and Rome.

**3410. History of Ancient Rome (3) (F) (GE:SO)** Examination of political, social, and cultural developments in Rome from 753 BC to 476 AD.

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- 3412. A History of Christianity to 1300 (3) (GE:SO)** Formation and evolution of institutional church and its role in society from its origins to Renaissance. Emphasis on historical interaction between Mediterranean and trans-Alpine cultures.
- 3415. The Middle Ages (3) (F) (GE:SO)** Major aspects of political, social, economic, and cultural history of Middle Ages from third to sixteenth centuries.
- 3420. Early Modern Europe to 1648 (3) (F) (GE:SO)** Political, social, and intellectual transformation that marked beginnings of modern European history.
- 3430. History of Europe, 1815-1914 (3) (F) (GE:SO)** Europe from Congress of Vienna to outbreak of first world war. Emphasis on political, social, and economic developments of period.
- 3435. History of Europe Since 1914 (3) (GE:SO)** Transformations in European society and institutions from outbreak of first world war to present.
- 3444. The Old Regime, French Revolution, and Napoleon (3)** Royal and constitutional absolutism, the Enlightenment, French Revolution, and Napoleon.
- 3450. History of Modern Germany (3) (GE:SO)** Political, social, economic, and cultural evolution of German nation over past 300 years. Emphasis on rise of Nazism and German role in two world wars.
- 3480. English History to 1603 (3) (GE:SO)** Political, social, and economic development of England from Roman conquest to death of Elizabeth I.
- 3481. English History Since 1603 (3) (GE:SO)** Political, social, and economic development of British people from 1603 to present.
- 3487. Constitutional History of England (3) (GE:SO)** Evolution of English government and its institutions from Anglo-Saxon times to present.
- 3550. History of Russia to 1917 (3) (F) (GE:SO)** Rise of Russian state from migration of Slavic tribes to formation of Soviet Union. Emphasis on the land, peoples, government, and policy.
- 3610. History of the Far East to 1600 (3) (GE:SO)** Contrasting religions, life-styles, and institutions of major civilizations of traditional Asia. Emphasis on China and Japan.
- 3611. History of the Far East Since 1600 (3) (GE:SO)** Main themes of modern Asian history. Emphasis on revolutionary impact of the West on civilizations of China, Japan, and Southeast Asia (including Vietnam).
- 3620. History of Modern Japan (3) (F) (GE:SO)** Transformation of Japanese culture under influence of the West. Emphasis on causes and consequences of modernization.
- 3630. History of Modern China (3) (GE:SO)** Factors responsible for collapse of China's traditional Confucian culture and triumph of communism. Emphasis on role of the West in this revolutionary transformation.
- 3670. History of the Middle East (3) (WI\*) (GE:SO)** People, land, and religious groups of Middle East. Emphasis on Islam and imperialism.
- 3710. Introduction to Latin-American History: Colonial Period (3) (WI\*) (GE:SO)** Establishment and administration of Spanish and Portuguese colonies in New World, 1492-1808.
- 3711. Introduction to Latin-American History: Since 1808 (3) (WI\*) (GE:SO)** Wars of Independence. Latin-American nations since independence. Emphasis on growth of republican institutions, social organizations, and economic and cultural developments.
- 3760. The ABC Powers: Argentina, Brazil, Chile (3) (S02) (GE:SO)** Major developments in Republics of Argentina, Brazil, and Chile since independence. Emphasis on conservative-liberal struggle, development of democratic institutions, and economic changes.

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## SECTION 8: COURSES

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**3780. Mexico and Central America (3) (WI\*) (F) (GE:SO)** Major developments in history of Mexico and Central American republics.

**3810. History of Africa (3) (WI\*) (F) (GE:SO)** Emphasis on precolonial African societies, interactions between African societies and Europeans during colonial era, and African quest for independence.

**3900. Introduction to Public History (3) (F)** May not count toward BS in HIST. Meaning and various aspects and practices of public history. Emphasis on reading, discussion, and fieldwork projects.

**3920. Social History of American Medicine (3) (S) (GE:SO)** Development of medical ideas, practices, and healing professions. Emphasis on changing interactions between medicine and society.

**3993. Approaches to Historical Objects (3)** Social, cultural, political, and intellectual implications of classifying, conserving, and displaying historical objects. Topics include artifacts, archives, monuments, cultural policy, commercial history, and historical memory.

**4319. Teaching Social Studies in the Middle Grades (3) (F)** 10 to 12 hours of field experience. May not count toward BA or BS in HIST major or minor. P: Admission to upper division; 18 s.h. in social sciences; EDUC 3200; MIDG 3001, 3010, 3022; or consent of instructor; C: MIDG 4001, 4010; ENGL or MIDG or SCIE 4319; or consent of instructor. Teaching strategies, instructional resources, and evaluation procedures for teaching social studies in middle grades.

**4323. The Teaching of Social Studies in High School (3) (F)** May not count toward BA major or minor. Materials and basic teaching strategies employed in high school social studies classroom.

**4324. Internship in History and Social Studies (10) (S)** Full-time, semester-long internship. Application must be filed one year in advance. P: Admission to upper division; C: HIST 4325. Placement in school under direction of a clinical teacher and university supervisor.

**4325. Internship Seminar: Issues in Social Studies Education (0) (S)** P: Admission to upper division; C: HIST 4324. Individualized study of problems or issues related to social studies education.

**4444. Studies in French History (3)** May be repeated with change of topic. May count maximum of 3 s.h. toward HIST major or minor. Varied selected topics in French history from Middle Ages to present day.

**4531, 4532, 4533. Directed Readings in History (1,2,3) (F,S) (GE:SO)** May count 3 s.h. toward HIST major. May not count toward history minor. P: Consent of dept chair. Intensive examination of a specific field in student's area of interest.

**4550, 4551. Honors (3,3) (F,S) (GE:SO)** Independent reading and research program under direction of major area professor.

**4610. History of Southeast Asia (3) (GE:SO)** Evolution of modern Southeast Asia. Emphasis on transformation of traditional cultures under impact of western colonial rule.

**4940, 4941, 4942. Internship in Archives and Historical Records Administration (3,6,9) (F,S)** 140 hours for 3 s.h., 280 hours for 6 s.h., 420 hours for 9 s.h. Maximum of 3 s.h. in HIST 4940-4948 may count toward HIST requirement for BS or minor in public history. May not count toward HIST major or minor elective requirements above 2999. P: Senior standing; minimum cumulative 2.2 GPA; minimum 2.5 GPA in HIST; consent of instructor. Practical field experience under supervision in archival and manuscript agencies.

**4943, 4944, 4945. Internship in Museum Administration (3,6,9) (F,S)** 140 hours for 3 s.h., 280 hours for 6 s.h., 420 hours for 9 s.h. May not count toward HIST major or minor elective requirements above 2999. Maximum of 3 s.h. in HIST 4940-4948 may count toward HIST requirement for BS or minor in public history. P: Senior standing; minimum cumulative 2.2 GPA; minimum 2.5 GPA in HIST; consent of instructor. Practical field experience under supervision.

**4946, 4947, 4948. Internship in Historic Site Administration (3,6,9) (F,S)** 140 hours for 3 s.h., 280 hours for 6 s.h., 420 hours for 9 s.h. Maximum of 3 s.h. in HIST 4940-4948 may count toward HIST requirement for BS or minor in public history. May not count toward HIST major or minor elective requirements above 2999. P: Senior standing; minimum cumulative 2.2 GPA; minimum 2.5 GPA in HIST; consent of instructor. Practical field experience under supervision.

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- 5005. Selected Topics (3) (WI\*)** May be repeated with change of topic. May count maximum of 3 s.h. toward graduate or undergraduate HIST major or minor. Intensive study of selected topics from historical perspective.
- 5122. Social and Cultural History of the United States Since 1865 (3)** Selected main currents in American thought. Social and intellectual activity since 1865.
- 5125. American Political Development in the Nineteenth Century (3)** Evolution of major political party conflict from mellowing of first party system to 1890s realignment.
- 5130. Comparative History of New World Slavery and Race Relations (3) (WI\*)** Origin and development of slavery and race relations in US and various societies in Western Hemisphere.
- 5135. Problems in North Carolina History (3) (WI\*)** P: HIST 1050, 1051; or consent of instructor. Process by which NC evolved from isolated English colony into part of modern US. Emphasis on bibliographic work. Research in archival and manuscript sources.
- 5140. The Old South (3) (F)** Development of southern US to outbreak of Civil War.
- 5141. The South Since 1877 (3) (WI\*)** Development of southern US from end of Civil War to recent years.
- 5220. Selected Topics in US Women's History (3) (S)** Indepth exploration of topics. Analysis of major themes, documents, and theoretical work.
- 5230. Themes in African American History (3) (S)** Intensive examination of pivotal themes and writings.
- 5300. Comparative History of Non-Western Civilizations (3) (WI\*)** May not count toward 3 s.h. 5000-level requirement for undergraduate HIST majors. Evolution of major civilizations of Asia, Africa, and Middle East. Emphasis on comparative cultural foundations of civilizations.
- 5310. Intellectual History of Europe (3)** Major themes of modern European thought. Analysis of selected readings from representative nineteenth- and twentieth-century thinkers.
- 5340. The Ancient Near East (3)** Civilizations from lower paleolithic age to conquest of Persia by Alexander the Great.
- 5350. The Renaissance in European History (3) (S)** Cultural and intellectual developments of western Europe from about 1300 to about 1600.
- 5360. The Reformation, 1450-1598 (3)** European history from 1450 to 1598. Renaissance materials as background.
- 5440. Twentieth-Century England (3)** England in two great wars—World Wars I and II. Development of socialism. Breakup of British Empire. British Commonwealth of Nations. English development since 1945.
- 5450. Tudor-Stuart England (3)** Emergence of England into world leadership. Internal developments which shaped its political, economic, and social life in sixteenth, seventeenth, and early eighteenth centuries.
- 5470. History of Soviet Russia Since 1917 (3)** Russian revolutions of 1917 and rise of Soviet Union to superpower status.
- 5480. Weimar and the Rise of Hitler (3)** Society, culture, and politics of Germany during Weimar Republic. Failure of democracy and establishment of Nazi state.
- 5505. Maritime History of the Western World to 1415 (3)** Designated as European history. Maritime activities from classical antiquity through Middle Ages. Emphasis on development of maritime commerce, piracy, and naval warfare.
- 5515. Maritime History of the Western World 1415-1815 (3) (WI\*)** Designated as European history. European voyages of discovery, expansion of maritime commerce, establishment of overseas possessions, and domination of world's sea lanes.
- 5520. Maritime History of the Western World Since 1815 (3)** Designated as American history. Impact of maritime activities on political, diplomatic, economic, and military affairs. Emphasis on technology.

## SECTION 8: COURSES

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**5525. Sea Power, 480 BC to the Present (3) (WI\*)** Sea power from Classical Era to the atomic age. Nature of warfare at sea. Changing role of sea power in eras of peace and war.

**5530. Field School in Maritime History and Underwater Research (2) (S)** 20 classroom/lab hours per week. P: Scientific diving certification; consent of instructor. Early field experience.

**5555. Constitutionalism and Kingship in Early Modern Europe (3)** Royal absolutism as dominant philosophy in seventeenth-century state building. Role of Continental political ideologies in development of English constitutional government.

**5660. Imperialism in Theory and Practice, 1800 to the Present (3) (WI\*)** Theoretical and empirical perspectives on European expansion, primarily in Africa and Asia. Political, economic, social, and non-European origins of imperialism.

**5670. Diplomatic History of Europe, 1815 to the Present (3)** Survey of international relations of great European powers.

**5680. Diplomatic History of Modern Asia (3)** Role of diplomacy. Emphasis on conflict between East and West since 1800.

**5765. Latin America, 1492 to the Present (3) (WI\*)** Selected historical problems in Latin-American society and economy. Conquests and settlement, role of indigenous people in the formation of Latin-American society, reform and revolution, independence, and organization of nation states.

**5910. Introduction to the Administration of Archives and Historical Manuscripts (3)** Undergraduates may not count toward 3 s.h. 5000-level HIST major requirement. Background, preservation, and use of archives and historical manuscripts. Emphasis on historical evolution of archival profession and administration of archives and manuscript repositories.

**5920, 5921. Techniques of Museum and Historic Site Development (3,0) (F)** Undergraduates may not count toward 3 s.h. 5000-level HIST major requirement. History and theory of museology and techniques of museum and historic site management.

**5930, 5931. Field and Laboratory Studies in Museum and Historic Site Development (3,0)** Undergraduates may not count toward 3 s.h. 5000-level HIST major requirement. Development of practical methods for operation and management of history museums and historic sites.

**5950. Introduction to Quantitative History (2)** P: 20 s.h. of undergraduate history. Categories of quantitative history. Role of computer and techniques of its implementation in historical research.

**5951. Directed Readings and Research in Quantitative History (1)** P: HIST 5950. Intensive examination of special historical field in area of student's interest. Research projects limited to quantitative assessments of historical eras.

**5960. Introduction to Oral History (3)** Theory and methodology of oral history interviewing and interpretation of oral history materials. Emphasis on fieldwork projects.

**5970. Living History (3)** P: Consent of instructor. Interpretations of past events. Focus on seventeen- through nineteenth-century event specifics, world view, clothing, and accouterments.

**5985. Historic Preservation Planning (3) Same as PLAN 5985** Historic preservation planning. Examination of theoretical, legal, historical, and design bases of preservation planning.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

### HIST Banked Courses

**3030. Economic History of the United States to 1865 (3)**

**3120. American Military History (3)**

**3125. A History of World War II in Film (3)**

**3220. Continental Expansion of the United States, 1800-1848 (3)**

**3910. History of Science (3)**

**3915. History of Western Medical Thought (3)**

**4450. History of Eastern Europe (3)**

**5120. American Social and Cultural History to 1787 (3)**

**5121. American Social and Cultural History, 1787-1865 (3)**

**5150. The American West (3)**

**5210. History of American Urban Life (3)**

**5460. History of the Balkans in the Twentieth Century (3)**

**5770. The Relation of Latin America to World History (3)**

### HLTH: HEALTH

**1000. Health in Modern Society (2) (F,S,SS) (GE:HL)** Mental, social, and physical health problems related to man's internal and external environments in technological and leisure-oriented societies.

**1357. Health, Physical Education, and Recreation in Modern Society (2) P:** HLTH 1000. Purposes, scope, and employment possibilities in health, physical education, and recreation.

**1800. Orientation to Athletic Training (1) (F) P:** Admission to candidacy period of athletic training curriculum; HLTH 1000. Orientation and principles of observation in allied health settings.

**2000. Introduction to Health Education (3) (F,S,SS) P:** HLTH 1000. Health education theory and practice. Emphasis on educational change process; settings, skills, and outcomes of health and education practice; and evolving roles of health educators.

**2123. Early Experiences for the Prospective Teacher (1) (F)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 clock hours of seminar class instruction in the teaching area. May not count toward a BA major or minor. P: HLTH 1000. Introduction to teaching of health.

**2125, 2126. Safety Education and First Aid (3) (F,S,SS)** 2 classroom and 2 lab hours per week. P: HLTH 1000 C for 2125; HLTH 2126; C for 2126: HLTH 2125. Accident prevention and skills for emergency first aid care. Skills necessary for cardiopulmonary resuscitation. Successful completion leads to Red Cross certification in standard first aid and personal safety and cardiopulmonary resuscitation.

**2220, 2221. Basic Athletic Training (3,0) (F,S,SS)** 2 lecture and 2 lab hours per week. Does not meet requirements for National Athletic Trainers' Association Certification. P: HLTH 1000 C for 2220; HLTH 2221; C for 2221: HLTH 2220.

**2290, 2291, 2292. Field Experience in Community Health Education (1,2,3)** 50 hours of work experience required for each s.h. credit. P: Sophomore standing; HLTH 1000. Early supervised work experience. Planning, implementing, and evaluating health education programs. Variety of health agencies.

**2800. Standard Nomenclature of Athletic Injuries (3) (F) P:** HLTH 1000. Standard nomenclature of athletic injuries. Focus on orthopedic and surgical conditions of active person.

**2810. Principles of Athletic Training (3) (S)** 2 lecture and 2 lab hours per week. P: HLTH 1000 C: Current participation in candidacy aspect of the athletic training program; first aid and CPR certification; HLTH 2811; RC: BIOL 2130, 2131. Fundamental principles. Recognition, evaluation, treatment, rehabilitation, and prevention of athletic injuries. Practical clinical evaluation and preventative taping.

**2811. Principles of Athletic Training (0) (S)** 2 lab hours per week. P: Current participation in candidacy period of athletic training program or consent of instructor; first-aid and CPR certification; C: HLTH 2810; RC: BIOL 2130, 2131. Fundamental principles. Recognition, evaluation, treatment, rehabilitation, and prevention of athletic injuries. Practical clinical evaluation and prevention taping.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**3000. Theory and Practice in Community Health Education (3)** May receive credit for only one of HLTH 3000, 3001. Basic behavioral, community organization, educational, and administrative concepts and methodologies of professional practice in community health education.

**3001. Principles of Community Health Education (2) (S)** May receive credit for one of HLTH 3000, 3001. P: HLTH 1000. Theory and practice. Introduction to field.

**3010. Health Problems I (3) (F,S,SS)** P: BIOL 2130, 2131; HLTH 1000. Current health problems. Focus on relationship between patterns of individual behavior and pathophysiology of specific disease states. Emphasis on universal chronic disease states. Rationale for development of primary and secondary intervention strategies.

**3020. Health Problems II (3) (F,S,SS)** May receive credit for one of HLTH 3020, 4348. P: HLTH 1000; 3010 or consent of instructor. Current health problems. Focus on sociocultural and geopolitical conditions which contribute to causes and solutions.

**3030. Health Behavior (3) (WI) (F,S,SS)** P: HLTH 1000; PSYC 1000. Theories and models used to explain health behaviors.

**3040. The Health Education Delivery System (3)** P: HLTH 2000. Broad understanding and appreciation of philosophical, legal, and organizational dimensions of health systems.

**3200. Field Experience in Athletic Training I (1) (F)** Current first-aid and CPR certifications and medical malpractice insurance required. 1 lecture per week and clinical assignments. C: Current participation in the athletic training curriculum; HLTH 3810. Introduction to field experience. Supervised medical coverage of athletic teams.

**3225. Standard First Aid and Personal Safety Instructor (2) (S)** 1 lecture and 4 lab hours per week. P: HLTH 2125, 2126; or certification as having completed the American Red Cross advanced first aid course within the past 3 years. Satisfactory completion results in certification as instructor in standard first aid and personal safety, first aid multimedia systems, and basic first aid.

**3244. Practices and Procedures in Health for Elementary School (2) (F,S,SS)** Required of all elementary education majors. Class organization, principles, and practices associated with health education at elementary level.

**3250, 3251. Sports Medicine Treatment Modalities (3)** 2 lecture and 2 lab hours per week. P: HLTH 3810 or consent of instructor. In-depth study of theory and application of therapeutic modalities in relation to the treatment of athletic injuries.

**3270. Pathology and General Medicine in Sport (3) (S)** P: BIOL 2130, 2131. General pathology associated with medical conditions in sport. Systemic approach to common medical disorders, including clinical proficiencies.

**3271. Clinical Experience in Medicine (1) (F,S,SS)** Current First-aid and CPR certification required. Proof of ongoing medical malpractice insurance coverage. P: HLTH 3200, 3270; C: Current participation in athletic training curriculum. Clinical assignments in clinical medical settings.

**3280, 3281. Therapeutic Rehabilitation in Sports Medicine (3,0) (S)** 2 lecture and 2 lab hours per week. P: HLTH 3250, 3251; or consent of instructor. In-depth study of theory and application of therapeutic rehabilitation of athletic injuries.

**3300, 3301. Introduction to Patient Education (3,0)** 2 classroom and 3 lab/field-work hours per week. P: HLTH 3000 or consent of instructor. Theories applicable in variety of health care settings. Emphasis on education for promotion of health and change of life style.

**3350. Pharmacology in Sport (2) (F)** General knowledge of therapeutic drug classifications, indications, contraindications, regulations, and drug testing in sport.

**3515. AIDS HIV Disease in Modern Society (3) (S)** P: HLTH 1000 or consent of instructor. Key issues surrounding AIDS epidemic. Focus on social, psychological, political, economic, legal, ethical, and health aspects.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**3810. Etiology and Evaluation of the Trunk and Upper Extremity (3) (F)** 4 lecture/lab hours per week. P: HLTH 2810; P/C: BIOL 2130, 2131. Indepth study and practical application of pathomechanics or sports-related injury and diseases to trunk and upper extremity.

**3820. Etiology and Evaluation of Lower Extremity (3) (S)** 4 lecture/lab hours per week. P: HLTH 2810; P/C: BIOL 2130, 2131. Indepth study and practical application of pathomechanics of sports-related injury and diseases to lower extremity.

**3860. Sports Medicine Practicum I (3) (F)** 1 lecture and 15 supervised clinical hours per week. P: Admission to athletic training program and HLTH 3810. Practical experience in athletics under supervision of certified athletic trainer. Current CPR and first-aid certifications and proof of medical malpractice insurance required.

**4000. Methods of Training and Staff Development (4)** 4 lecture and skill demonstration hours per week. P: PSYC 3221 or consent of instructor. Group and training methodologies in health setting. Emphasis on need assessment, program implementation, and evaluation of workshops, conferences, and short courses.

**4010. Senior Seminar: Tutorial in Health Issues Research (3) (F,S)** 2 1-hour lectures and 2 2-hour labs per week. P: Senior standing or school and community health majors; completion of all core courses; or consent of instructor. Guidance in development of investigative study appropriate to student's needs and interests.

**4100. Community Health Profile (3)** P: HLTH 4000 or consent of instructor. Basic concepts and tools for identifying community health education needs. Development of community health profile for county of internship (HLTH 4990).

**4200. Planning and Evaluation in Worksite Health Promotion (3) (F,S,SS)** P: Completion of core courses. Role of evaluation. Emphasis on measuring instrument design, evaluation, planning, and interpretation of evaluation results.

**4300. Field Experience in Athletic Training II (1) (F,S,SS)** 1 lecture per week and clinical assignments for the semester. P: HLTH 3250, 3251, 3810, 3820; C: Current participation in the athletic training curriculum. Field experience in allied health settings relevant to athletic training. Current first aid and CPR certifications and proof of medical malpractice insurance are required for the duration of the course.

**4320. Organization and Administration of Sports Medicine (3)** 2 lecture and 2 lab hours per week. P: HLTH 3810, 3820. Organization and administration of sports medicine programs including law, ethics, and therapeutic concepts. Advanced experience in prevention, clinical evaluation, treatment, and rehabilitation of sports-associated afflictions.

**4323. Methods of Teaching Health Education (3) (F,S)** Theory and application of the content and methodologies to be utilized in the secondary school health program.

**4324. Internship in Health Education (10) (F,S)** Full-time, semester-long internship. P: Admission to upper division; EDUC 3200; HLTH 2123; completion of HLTH 4323 with a minimum grade of C; PSYC 1000; C: HLTH 4326. Observation and supervised teaching in an assigned health education public school classroom.

**4326. Internship Seminar: Issues in Health Education (1) (F,S)** P: Admission to upper division; C: HLTH 4324. Individualized study of problems or issues pertinent in school health education.

**4348. Health Education Problems (3)** May receive credit for one of HLTH 3020, 4348. Current health problems in the US with a focus on the nature of the problems including sociological conditions and cultural and governmental factors which contribute to their causes and solutions.

**4500, 4501, 4502. Independent Study (1,2,3) (WI\*) (F,S,SS)** P: Consent of instructor. Individualized program developed through student initiative in consultation with the designated instructor as an Extension of formal course offerings.

**4600. Data Analysis for Health Promotion Programming (3) (S)** C: HLTH 4700. Understanding of and skills in utilizing health-related data for planning worksite health promotion and cost-control programs.

**4604. Applied Principles of Health Promotion (3) (F,S)** P: BIOL 2130, 2131; NUHM 1000 or 2105; PSYC 1000; or consent of instructor. Indepth study of the health content areas most commonly addressed in health promotion programs. Emphasis is on the integration of current knowledge in the context of contemporary educational strategies.

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## SECTION 8: COURSES

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**4605. Community Strategies for Health Education (3) (WI\*) (F,S,SS)** P: HLTH 3000 or consent of instructor. Skills in community interventions for health educators based on principles of community organization. Both classroom instruction and field exposure will be utilized. Additionally case studies and real life experiences will be used to the greatest extent possible.

**4611. Planning and Evaluation of Community Health Education Programs (3) (F,S)** P: HLTH 3000, 4620, 4621. Planning theory and application for health education programs, including evaluation methodology Applications for epidemiological and sociological diagnoses in program development.

**4620. Group Strategies for Community Health Education (3) (S)** P: HLTH 3000; C: HLTH 4621 or consent of instructor. Group dynamics, effective communication and decision-making by groups in a variety of community and health settings. Emphasis on strategies for facilitating the effectiveness of group interaction, on identification of training needs, and on steps in planning, implementing, and evaluating group educational experiences such as workshops, conferences, short courses, and community meetings. Appropriate for any student preparing for a career in the health professions.

**4621. Group Strategies Laboratory (0) (S)** 2 lab hours per week. C: HLTH 4620. Design and deliver health education materials and educational activities.

**4700. Practicum Seminar in Worksite Health Education (3) (S)** P: HLTH 4200. Private sector health promotion programs. Based on the needs and operations of local sites, student will be assigned individual projects.

**4860. Sports Medicine Practicum II (3)** 1 lecture and 15 supervised clinical hours per week. P: HLTH 3860. Practical experience in athletics under supervision of certified athletic trainer. Current CPR and first-aid certifications and proof of medical malpractice insurance required.

**4991. Health Education and Promotion Internship (12) (F,S,SS)** P: Completion of all other major requirements. Professionally-supervised learning experience.

**5002. Maternal and Child Health Education (3)** P for undergraduate students: HLTH 3010 or consent of instructor; P for graduate students: BIOL 2130, 2131; HLTH 3010, 3020; or consent of instructor. Theoretical base and appropriate education strategies for delivery of community health education programs including basic population concepts and measures; epidemiological indicators of health and social status of women and children; analysis of prevailing social policies as related to maternal and child health; and federal policies affecting children and families.

**5200. Health Education in the Workplace (3) (F)** P for undergraduate students: Consent of instructor. Focus on design, implementation, and evaluation. On-site health education needs assessment using appropriate instruments and development of health education plan responsive to identified needs and corporate operations of particular industry.

**5310. Education for Human Sexuality (3) (S)** For school and community professionals working in or consulting with schools. P: Health education major or consent of instructor. Comprehensive knowledge and sex education methodology for effective communication with children and youth.

**5345. Alcoholism in Health Education (3) (F)** P: HLTH 1000. Effects of alcohol on human body with sociological, psychological, physiological, and economic implications as applicable to everyday living. Methods, procedures, and resource materials for alcohol education.

**5900. Stress Management (3)** P: Undergraduate course in anatomy and physiology; graduate standing; or consent of instructor. Positive and negative aspects of stress as related to performance and health. Emphasis on sources and positive management of stress, including lifestyle and life skills.

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### HLTH Banked Courses

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|--|---|
| <b>3261. Administration of School and Community Health Programs (3)</b>            | <b>4989. Seminar in Community Health Education Practice (1)</b> |
| <b>4290, 4291, 4292. Work Experience in Health Education and Promotion (1,2,3)</b> | <b>4990. Internship in Worksite Health Promotion (12)</b>       |
| <b>4325. First Aid and CPR Instructor (3)</b>                                      | <b>4992. Internship in Community Health Education (12)</b>      |
| <b>4340. Methods and Content in Health Education (3)</b>                           | <b>5313. School Health Education (3)</b>                        |
| <b>4610. Individual Strategies for Community Health Education (3)</b>              |   |

### HNRS: HONORS

**2006. Interdisciplinary Honors Seminar (3) (WI)** Interdisciplinary investigation. Examples include "The Grotesque in Art and Literature," "Poets and Painters," "The Sixties: Be There Now," and "The History and Philosophy of Technology."

**2011. Honors Seminar in the Humanities (3) (WI) (GE:HU)** May be repeated for maximum of 6 s.h. with change of topic. Topic varies by semester. Examples include "What it Means to be Human (according to Shakespeare)," "Current Attempts to Resolve Classical Philosophical Problems," "Banning Books: Censorship in Modern America," and "Gay Literature: From Marginal to Mainstream."

**2012. Honors Seminar in the Fine Arts (3) (WI) (GE:FA)** May be repeated for maximum of 6 s.h. with change of topic. Topic varies by semester. Examples include "The Arts in Society," "An Introduction to the Fine Arts," "Gothic Cathedrals: Their Meaning and Significance," and "Listening to Music Intelligently."

**2013. Honors Seminar in the Social Sciences (3) (WI) (GE:SO)** May be repeated for maximum of 6 s.h. with change of topic. Topic varies by semester. Examples include "Sexual Abuse: Incidence, Impact, Prevention," "The Race for the Presidency," "The Civil Rights Revolution," "The American Way of War," "Church and State in the United States," and "New World Meets Old: The Colombian Exchange."

**2014. Honors Seminar in the Sciences (3) (WI) (GE:SC)** May be repeated for maximum of 6 s.h. with change of topic. Topic varies by semester. Examples include "Subjectivity in Science," "Scientific Experimentation and Social Acceptance," "Chemistry and the Environment," and "The Geology of the National Parks."

**2015. Honors Science Laboratory (1) (GE:SC)** Accompanies HNRS 2014 when considered appropriate by science department offering the seminar.

**2116. Interdisciplinary Honors Seminar (3) (WI) (GE:HU)** Interdisciplinary investigation. Examples include "The Grotesque in Art and Literature," "Poets and Painters," "The Sixties: Be There Now," and "The History and Philosophy of Technology."

**2216. Interdisciplinary Honors Seminar (3) (WI) (GE:FA)** Interdisciplinary investigation. Examples include "The Grotesque in Art and Literature," "Poets and Painters," "The Sixties: Be There Now," and "The History and Philosophy of Technology."

**2316. Interdisciplinary Honors Seminar (3) (WI) (GE:SO)** Interdisciplinary investigation. Examples include "The Grotesque in Art and Literature," "Poets and Painters," "The Sixties: Be There Now," and "The History and Philosophy of Technology."

**2416. Interdisciplinary Honors Seminar (3) (WI) (GE:SC)** Interdisciplinary investigation. Examples include "The Grotesque in Art and Literature," "Poets and Painters," "The Sixties: Be There Now," and "The History and Philosophy of Technology."

**3101, 3102, 3103. Independent Study (1,2,3) (WI) (F,S,SS)** May be repeated in combination with other HNRS independent students courses for a maximum of 6 s.h. P: Consent of program director. Independent research/creative activity project supervised by faculty mentor.

**4101, 4102, 4103. Independent Study (1,2,3) (WI) (F,S,SS)** May be repeated in combination with other HNRS independent students courses for a maximum of 6 s.h. P: Consent of program director. Independent research/creative activity project supervised by faculty mentor.

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## SECTION 8: COURSES

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### **HPRO: HEALTH PROFESSIONS**

**2000. Survey of the Allied Health Professions (2)** May receive credit for one of HPRO 2000, REHB 2000. Description of the profession, educational requirements, employment opportunities, and role of each profession in integrated system of health care. Emphasis on professions represented by ECU educational programs.

**2100. Perspectives in Health Care (2)** Recommended for freshmen and sophomores interested in becoming health professionals. General health terminology professional ethics, inter- and intra-professional relationships, and concept of total health care.

**4300. Community Health and Organization (2)** Health and health care systems at local, state, and national levels. Emphasis on socio-medical problems and role of health professionals in community health care delivery.

**4305. Administration, Supervision, and Consultation for the Health Professions (3)** Concepts and principles within health care settings.

**4350. Research Design (2) (WI)** P: MATH 2228 or equivalent. Introduction. Development of skills for critic of research literature. Beginning competence in research process.

**5000. Seminar in Human Sexual Dysfunctions (3)** Exploration of problems in human sexual behavior and functioning. Emphasis on development of assessment and intervention skills in delivery of sexual health care to broad spectrum of clients.

**5011, 5012. Gross Anatomy (5,0)** P: Enrolled in OCCT or PTHE programs or consent of dept chairs. Structure of human body. Lab dissection.

**5030, 5031. Neuroanatomy (3,0)** P: Enrolled in OCCT or PTHE programs or consent of dept chairs; HPRO 5011, 5012. Relationship between structure and function of the nervous system and foundations of neurology Pathophysiology of specific neurologic disorders common to practice of occupational and physical therapy.

### **IDIS: INDUSTRIAL DISTRIBUTION**

**2770. Industrial Distributor: Purpose and Functions (3) (F,S) Formerly IDIS 3770** Indepth investigation into functioning and services of electrical distributors and electrical product manufacturer personnel and their agents, consumers, purchasing managers, and buyers.

**2771. Introduction to Logistics (3) (F,S)** P: IDIS 2770. Control and flow of materials from raw materials to the consumer. Includes forecasting, procurement, inventory management, transportation, warehousing, and distribution networks.

**3780. Industrial Warehousing (3)** Warehousing operations and management, logistics, control, productivity, and analytical tools and techniques used to analyze and solve problems related to warehouse profitability.

**3790. Technical Presentations (3) (F,S) Formerly ITEC 5290** P: ITEC 3290. Investigation and utilization of tools, techniques, and technical systems for transmitting information related to problems and issues of contemporary industry.

**3795. Distributor Sales (3) (F)** P: IDIS 2771. Role of industrial distributor salesperson in industrial distribution supply chain. SME Distributor Sales Certification Test required.

**4502. Laboratory Problems: Industrial Distribution (3) (F,S,SS)** P: Consent of instructor. Independent study of industrial distribution systems, processes, and concepts.

**4504. Independent Study: Industrial Distribution (3) (F,S,SS)** P: Consent of instructor. Research-oriented problem solving with tools, materials, and processes of industrial distribution field.

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**INTL: INTERNATIONAL STUDIES**


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**1000. Introduction to International Studies (3) (F,SS) (GE:SO)** Global perspective of major social, economic, geographical, political, and cultural issues affecting men and women. Introduction to INTL minor concentration areas.

**2003. Introduction to Chinese Culture (3) (GE:HU)** P: ENGL 1200. Culture of Chinese society and people.

**2004. Introduction to Japanese Culture (3)** Evolution of Japanese culture. Emphasis on changing social-cultural values of Japanese as a people.

**2100, 2101. Arts and Sciences Abroad: Humanities (3,6) (GE:HU)** 2100 for 3 s.h.: Minimum of 4 weeks abroad during summer; 42 classroom hours (including field trips). 2101 for 6 s.h.: Minimum of 13 weeks abroad during spring and/or fall; 6 s.h.; 84 classroom hours (including field trips). On-site exploration of particular culture and its literary and/or philosophical contributions.

**2200, 2201. Arts and Sciences Abroad: Arts (3,6) (GE:FA)** 2200 for 3 s.h.: Minimum of 4 weeks abroad during summer; 42 classroom hours (including field trips). 2201 for 6 s.h.: Minimum of 13 weeks abroad during spring and/or fall; 84 classroom hours (including field trips). On-site exploration of fine arts produced by particular foreign culture.

**2300, 2301. Arts and Sciences Abroad: Science (3,6) (GE:SC)** 2300 for 3 s.h.: Minimum of 4 weeks abroad during summer; 42 classroom hours (including field trips). 2301 for 6 s.h.: Minimum of 13 weeks abroad during spring and/or fall; 84 classroom hours (including field trips). On-site scientific field studies. Specific topics in biology, chemistry, geology, physics, and/or science education.

**2400, 2401. Arts and Sciences Abroad: Social Sciences (3,6) (SS) (GE:SO)** 2400 for 3 s.h.: Minimum of 4 weeks abroad during summer; 42 classroom hours (including field trips). 2401 for 6 s.h.: Minimum of 13 weeks abroad during spring and/or fall, 6 s.h.; 84 classroom hours (including field trips). On-site exploration of history, geography, political science, psychology, sociology, anthropology, and/or economics of particular region.

**3010. Field Study in Latin America (6)** P: Consent of instructor. Work under supervision of ECU faculty member approved by Latin-American Studies Committee.

**3852. Cultural Environment of International Business (3) Same as MKTG 3852** P: Junior standing; 3 s.h. in ECON. Cross-cultural differences in international relations and business management. Study of strategies/tactics to overcome cultural barriers to international trade, investment, and human relationships.

**5000. Senior Seminar in International Studies (3) (S)** P: Consent of instructor or graduate standing. Diverse contemporary international issues. Topics determined by instructor may include ethical/normative perspectives in world community; demographic trends of population, food, and health; energy policies; environmental hazards such as climate and pollution; economic development; selected regional conflicts; and initiatives in transnational cooperation.

### INTL Banked Courses

**2000, 2001. Chinese Language I,II (3,3)**

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**ITAL: ITALIAN**


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**1001. Italian Level I (3)** Lab work. May not count toward foreign language requirement. First of two-course sequence. Intensive training in basic skills of understanding, speaking, reading, and writing Italian. Focus on life and culture of Italy.

**1002. Italian Level II (3)** Lab work. May not count toward foreign language requirement. P: ITAL 1001. Second of two-course sequence. Further intensive training in basic skills of understanding, speaking, reading, and writing Italian. Focus on life and culture of Italy.

**1003. Intermediate Italian I (3)** Lab work. P: ITAL 1002 or equivalent. Emphasis on Italian reading ability, civilization, and Italy's most important writers.

## SECTION 8: COURSES

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**1004. Intermediate Italian II (3)** Lab work. P: ITAL 1003 or equivalent. Emphasis on improving reading ability in Italian and acquainting students with Italian civilization and its most important writers.

**2220. Italian Literature in Translation (3) (S) (GE:HU)** May not be used to satisfy a language requirement. Selected works in Italian literature.

### ITAL Banked Courses

**1040. Conversational Italian Practiced in Italy (3)**

**1050. Introduction to Italian Lyric Literature (3)**

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### ITEC: INDUSTRIAL TECHNOLOGY

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**2000. Industrial Technology Applications of Computer Systems (3) (F,S,SS)** Technical and managerial aspects of computer applications and information technology in industry and engineering areas.

**2010. Introduction to Industry and Technology (3) (F,S,SS)** Foundation for advanced study in various technology specialization areas. Emphasis on basic technical and technical managerial concepts of manufacturing, construction, and service industries. Evolution of industry and career opportunities in broad fields of industry and industrial education.

**2020. Materials Technology (3) (WI\*) (F,S,SS)** Broad technical study of physical characteristics, mechanical properties, and applications of materials of modern industry. Metallic, fibrous, polymeric, ceramic, and composite materials.

**2090. Energy Processing and Transactional Power Systems (3) (F,S,SS)** Technical investigation into energy converters and transactional power systems. Mechanical, combustion, electrical, and fluid power converters.

**3000. Internet Tools Technology (3) (F,S)** P: DSCI 2223 or ITEC 2000. Experience-based introduction to Internet applications, communications, and collaboration methods for industry and other technical environments.

**3100. Internship in Industrial Technology (3) (F,S,SS)** Minimum of 240 hours of supervised, full- or part-time industrial or technical work experience. P: Consent of instructor and at least one semester as a full-time ECU student. First experience in technical and managerial problems of industry. Participation in weekly seminar or completion of eight concept papers.

**3290. Technical Writing (3) (WI) (F,S,SS)** P: ENGL 1200. Practice in writing about technical problems of significance to student.

**4100. Internship in Industrial Technology (3) (F,S,SS)** Supervised internship for student with industrial or technical experience. Minimum of 240 hours of supervised work experience. May be taken concurrently with ITEC 3100. P: ITEC 3100 or consent of instructor. Work experience and participation in weekly seminar. For students not within commuting distance of ECU, participation in the seminar may be waived in lieu of concept papers.

**4293. Industrial Supervision (3) (WI) (F,S)** P: Senior standing and completion of 20 s.h. of industrial technology courses. Fundamental and special techniques for supervising people in industrial or business work situation. Duties and responsibilities of supervisor. Emphasis on successful supervisory practices.

**4300. Quality Assurance Concepts (3) (F,S,SS)** P: 18 s.h. of technology core courses. Managerial, statistical, motivational, and technological aspects of quality control as practiced in manufacturing, construction, processing, and service industries.

**5100. Internship in Industrial Technology (3)** Supervised internship. P: Consent of graduate director. Placement in industrial or technical firm. Requires journal of related activities and final report.

### ITEC Banked Courses

**2001. Industrial Technology Applications of  
Computer Systems (0)**

**2080, 2081. Power Technology (3,0)**

**3030, 3091. Supervised Work Experience (2)**

**3291. Technical Writing (0)**

**3294. Principles of Industrial Training (3)**

**4290. Job Analysis: Procedures and Applications (3)**

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

## **JAPN: JAPANESE**

**1001. Japanese Level I (3) (F)** Lab work. First of four-course sequence. Intensive training in basic skills of understanding and speaking Japanese.

**1002. Japanese Level II (3)** Lab work. P: JAPN 1001 or placement in 1002 by Japanese placement test. Second of four-course sequence. Further intensive training in basic skills of understanding and speaking Japanese. Introduction to reading and writing Japanese.

**1003. Japanese Level III (3)** Lab work. P: JAPN 1002 or placement in 1003 by Japanese placement test. Third of four-course sequence. Further intensive training leading to more advanced achievement in understanding, speaking, reading, and writing Japanese.

**1004. Japanese Level IV (3)** Lab work. P: JAPN 1003 or placement in 1004 by Japanese placement test. Fourth of four-course sequence. Further intensive training leading to more advanced achievement in understanding, speaking, reading, and writing Japanese.

## **JUST: CRIMINAL JUSTICE**

**1000. The Criminal Justice System (3)** Roles, problem areas, and suggested program changes for police and law enforcement, detention services, courts, community correctional services, and correctional institutions.

**3003. Addiction, Crime, and the Criminal (3)** P: JUST major. Crime relationship to alcohol and drug addiction and abuse.

**3004. Crime and Criminality (3) (F,S) Formerly JUST 2000** P: JUST major. Systematic examination of criminal theories and causes of crime. Explores various disciplines of explaining crime and assessing strategies and policy issues which work to prevent crime.

**3006. Security Systems (3) (F,S)** P: JUST major. Historical and current legal bases of security and loss prevention. Examines relationship between public and private security fields and criminal justice agencies.

**3007. Criminal Investigation (3)** P: JUST major. Fundamentals include various types of physical evidence, collection and preservation of evidence, preliminary procedures, crime scene searches, major crime investigations, and court appearances.

**3008. Correctional Systems (3)** P: JUST major. Federal, state, and local correctional operations. Role and purpose of correctional facilities, historical and philosophical development, management and organizational principles, custody and security operations, treatment and classification issues, custody levels of various correctional facilities for men and women, and role of correctional personnel.

**3012. Police Operations (3)** P: JUST major. Role and operation of law enforcement organizations in US. Accountability, legal issues, and community relationships.

**3101. Conflict Management (3) (F,S) Formerly JUST 3100** P: JUST major. Theoretical and practical bases for accurately assessing and responding to crises unique to criminal justice profession in order to reduce stress, violence, injury, or even death among citizens.

**3102. Interviewing in Criminal Justice (3) (F,S) Formerly JUST 3100** P: JUST major. Examines interactions between criminal justice personnel and persons other than offenders, including victims, witnesses, children, and families. Develops interviewing skills.

**3500. Principles of Criminal Law (3)** P: JUST or SOCW major; JUST 1000. Nature, sources, and types of criminal law. Detailed examination of selected specific criminal offenses, criminal liability, and defenses and basic legal research.

**3501. Criminal Procedure (3) (WI)** P: JUST major. Rules and procedures governing criminal justice process from arrest through search, interrogation, indictment, arraignment, and trial until final sentence. Review and rights given to prisoners. Basic concepts of due process from the Constitution.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**3502. Correctional Law (3) (WI)** P: JUST major. Legal issues of confining prisoners and operating a correctional facility. Prisoners' rights, constitutional issues, and legal role and responsibilities of jails, prisons, and community correctional personnel. Role of courts in correctional matters. Development of correctional law in US.

**3700. Public Safety in a Multicultural Environment (3)** P: JUST major. Issues related to public safety services in communities of cultural, ethnic, racial, philosophical, and moral diversity. Discrimination within system, including hiring, promotion, and assignment policies.

**3800. Research Methods in Criminal Justice (3)** P: JUST major. Design, conceptualization, hypothesis formulation, measurement, sampling techniques, data management, and research writing as related to field.

**4004. Criminal Justice History (3)** P: JUST major. Development of major aspects from pre-historic time to present. Past practices in American criminal justice and other societies.

**4005. Organized Crime (3)** P: JUST major. Type of individuals and organizations involved in organized crime, activities conducted, historical and socio-political forces which facilitate organized criminal behavior, structural aspects of organized crime, and official responses.

**4006. Community Corrections (3)** P: JUST major. Application of intervention methods within particular community service-delivery constructs.

**4200. The Juvenile Justice System (3) (WI)** P: JUST major. Conditions under which delinquency occurs. Strategies and treatment interventions identified as most effective in dealing with delinquent behaviors. Role of juvenile court in prevention and control of delinquency. Emphasis on changing role of court and implications for professional practice.

**4300. Criminal Justice Administration (3)** P: JUST major. Basic concepts of organization and management as applied to criminal justice organizations. Management principles, supervision, and leadership.

**4401, 4402, 4403. Independent Study (1,2,3)** May be repeated for maximum of 3 s.h. P: JUST major. Selected readings, research, or studies related to criminal justice. Faculty conferences arranged by student-faculty contracts for program approved by JUST program director.

**4500. Issues and Problems in Criminal Justice (3)** To be taken by graduating JUST majors. Values, ethics, and major issues of concern to American criminal justice system.

**4600. Special Topics in Criminal Justice (3)** May be repeated for credit with change of topic. P: JUST major. Current topics and developments.

**4990. Field Education and Seminar (9)** Supervised field education in approved agencies taken during final semester of program. 2 seminar hours per week; 4 days directed field education per week. Application for admission to this course must be received 2 semesters in advance of placement. P: Minimum cumulative 2.5 GPA to be eligible for consideration; completion of all required JUST and supportive area courses; selection based upon availability of appropriate placements and criteria specified in *Criminal Justice Student Handbook*.

### JUST Banked Courses

**3000. Residential Institutions (3)**

**5000. Comparative Criminal Justice (3)**

**3009. Corrections Case Management (3)**

### LATN: LATIN

**1001. Latin Level I (3)** First of two-semester sequence. Training in principles of Latin grammar. Emphasis on reading skills. Correct pronunciation, but no other oral skills. All communication in English.

**1002. Latin Level II (3)** P: Placement by examination; LATN 1001; or consent of instructor. Second of two-course sequence. Completion of basic skills of Latin grammar. Elementary readings introduced and adjusted to student's level.

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**1003. Latin Level III (3)** P: Placement by examination; LATN 1002; or consent of instructor. Intensive review and application of basic skills of grammar acquired in LATN 1001-1002. Development of reading skills through selected works of major authors such as Cicero or Caesar.

**1004. Latin Level IV (3)** P: Placement by examination; LATN 1003; or consent of instructor. Continued development of reading skills and introduction to critical approaches to literature. Readings in poetry of major author such as Vergil, Catullus, or Ovid.

**3001. Age of Cicero (3) (GE:HU) Formerly LATN 2021** P: LATN 1004 or consent of instructor. Literary and historical portrait of Rome from 133-44 BC. Readings in Latin from prose of Cicero, Caesar, and Sallust, and poetry of Lucretius and Catullus.

**3002. Age of Augustus (3) (GE:HU) Formerly LATN 2022** P: LATN 3001 or consent of instructor. Literary and historical portrait of Rome from 44 BC-14AD. Readings in Latin from poetry of Vergil, Horace, Ovid, and Propertius, and prose selections from "Res Gestae" and other works.

**4001. Silver Age Latin Literature (3) (GE:HU) Formerly LATN 3021** P: LATN 3002 or consent of instructor. Literary and historical portrait of Rome in first and second centuries AD. Readings in Latin from prose of Seneca, Suetonius, Tacitus, Quintilian, and Pliny the Younger, and poetry of Petronius, Lucan, and Apuleius.

**4002. Roman Drama (3) (GE:HU) Formerly LATN 3022** P: LATN 4001 or consent of instructor. Roman drama with readings in Latin from comedies of Plautus and Terence and tragedies of Seneca.

**4521, 4522, 4523. Directed Readings in Latin (1,2,3)** May be repeated. P: Consent of instructor. In-depth exploration of selected aspect of Roman culture (literature, civilization, etc.).

### **LDVP: LEADERSHIP DEVELOPMENT**

**3401, 3402, 3403. Seminar in Leadership Development (1,2,3) (S)** P: Nomination by student's dean/chair. Series of seminars acquaint students with variety of leadership experiences and patterns. Each seminar led by thought leader from different area of society.

### **LIBS: LIBRARY STUDIES AND EDUCATIONAL TECHNOLOGY**

**1000. Research Skills for Electronic and Print Resources (1) (F,S,SS)** University electronic and print information sources.

**3102. Research Sources and Techniques (3)** Selection and research of topics in area of student's academic interests in general and major areas through reference and nonreference materials.

**3200. The Art of Storytelling (3) (S)** Selection, adaptation, evaluation, and use of storytelling in professions such as human services, business, education, recreation, health care, and entertainment. Emphasis on storytelling performance for audiences of all ages.

**4950. Literature for Children (3) (WI) (S)** Same as ENGL 4950 May not count toward general education literature requirement or as advanced elective for ENGL majors. Literature for children from early childhood through junior high school.

### **LIBS Banked Courses**

**2123. Early Experiences for the Prospective Teacher (1)**

**4323. School Media Specialist in Grades K-12 (3)**

**4324. Observation and Supervised Participation as a School Media Specialist (8)**

**5114. Materials for Children (2)**

**5115. Materials for Young Adults (2)**

## SECTION 8: COURSES

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### MANF: MANUFACTURING

**2076, 2077. Non-Polymeric Materials (3,0) (F,S)** 2 lecture and 4 lab hours per week. P: ITEC 2000, 2001, 2020; DESN 2034, 2035. Shaping, forming, and using non-polymeric materials such as metals, ceramics, and combinations used in various industrial manufacturing processes. Practical approach with student planning and conceiving products.

**3020. Manufacturing Processes (3) (WI\*) (F,S,SS)** P: ITEC 2090; MANF 2076, 2077. Common manufacturing processes used to produce industrial products. Overview of latest manufacturing processes techniques.

**3500. Automation Systems (3) (F)** 2 lecture and 2 lab hours per week. P: ELEC 2054; MANF 3020. Basic types of automated systems commonly used in industry. Control systems and common types of computer applications in design, development, and management of automated manufacturing systems.

**3800. Capital Equipment (3) (S)** P: ACCT 2401; EHST 3292. Competitive equipment offerings, make-versus-buy opportunities, and repair-versus-replacement costs associated with manufacturing and construction equipment decisions.

**4020, 4021. Process System Design (3,0) (F)** 2 lecture and 2 lab hours per week. P: ITEC 3292, 4300; MANF 3300, 3500; 3 s.h. management/human relations elective; consent of instructor. Processes for manufacturing various products. Emphasis on selection criteria such as safety, material, jigs, fixtures, layout, and overall efficiency.

**4023. Process System Application (3) (F,S)** 6 lab hours per week. P: MANF 4020, 4021; consent of instructor. Planning and layout of processing system for manufacturing a line product. Emphasis on process design, costing, control systems, and setup.

**4200. Work Methods Analysis (3) (S)** P: MANF 3300. Work methods and study of work measurement systems. Principles of motion study, work simplification, and work measurement by direct and predetermined motion-time systems.

**4502. Laboratory Problems: Production (3) (F,S)** 6 lab hours per week. P: MANF 3020. Independent study of industrial manufacturing systems, processes, and concepts.

**4507. Laboratory Problems: Metals (3)** 6 lab hours per week. P: MANF 2076, 2077. In-depth and independent study of concepts and/or processes of metals area, its tools, and materials. Emphasis on lab work.

**5504. Independent Study: Manufacturing (3)** May be repeated for credit with consent of dept chair. P: Consent of instructor. Research-oriented problem solving with tools, materials, and processes of manufacturing industries.

### **MANF Banked Courses**

**2066, 2067. Polymeric Materials (3,0)**

**2072, 2073. Metals Technology I (3,0)**

**3072. Metals Technology (3)**

**3300. Plant Layout and Materials Handling (3)**

**4060, 4061. Woods Products Manufacturing (3,0)**

**4092, 4093. Manufacturing (3,0)**

**4094, 4095. Industrial Maintenance (3,0)**

**4501. Laboratory Problems: Maintenance (3)**

**5060. Organic Matrix Composite Materials (3)**

**5090, 5091. Fluid Power Circuits (3,0)**

### MATH: MATHEMATICS

**0001. Intermediate Algebra-A (2) (F,S,SS)** May not be taken by students who have credit for MATH 0045, 1065, 1074, 1085, 2119, 2171, or who have passed the math placement test. May not count toward general education math requirement, certification, or degree. Remedial course in basic algebra; some sections may be taught in a lab/tutorial mode.

**0045. Intermediate Algebra-B (2)** May not be taken by students who have credit for MATH 0001, 1065, 1074, 1085, 2119, 2171, or who have passed the math placement test. May not count toward general education math requirement, certification, or degree. Remedial basic algebra. Some sections may be taught in lab/tutorial mode.

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**1050. Explorations in Mathematics (3) (F,S,SS) (GE:MA)** May not count toward MATH major or minor. Fulfills general education MATH requirement for students whose major does not require a specific MATH course. Broad overview of mathematics and its relevance to life. Selected topics include at least four of the following: algebraic concepts, geometry, set theory and logic, number theory, discrete mathematics, statistics, consumer mathematics/finance, and history of mathematics.

**1065. College Algebra (3) (F,S,SS) (GE:MA)** May not be taken by students who have credit for MATH 1085. P: Appropriate score on math placement test. Topics include sets; linear, quadratic, polynomial, and exponential functions; inequalities; permutations; combinations; binomial theorem; and mathematical induction.

**1066. Applied Mathematics for Decision Making (3) (F,S,SS) (GE:MA)** Required for students planning to major in business administration or accounting. P: Appropriate score on the math placement test or approval of the dept chair. Skills in formulating models for and interpreting solutions to business word problems. Topics include linear and nonlinear equations, systems of linear equations, applications of matrix algebra, and applied basic differential calculus. No proofs included.

**1067. Algebraic Concepts and Relationships (3) (F,S) (GE:MA)** May not count toward MATH or CSCI major or minor. P: Appropriate score on math placement test. Properties of integers, rationals, real and complex numbers, and polynomials from an algebraic point of view; conjectures and intuitive proofs in number theory; properties of linear and quadratic functions. Representations of real-world relationships with physical models, charts, graphs, equations and inequalities. Emphasis on development of problem-solving strategies and abilities.

**1074. Applied Trigonometry (2) (F,S,SS) (S)** Students who plan to take MATH 2171 must choose 1083 or 1085. May not be taken by students who have credit for MATH 1083 or 1085. P: MATH 1065. Practical and computational aspects of trigonometry. Properties of trigonometric functions. Use of tables, interpolation, logarithms, solution of right and oblique triangles, and applications.

**1077. Pre-Calculus Concepts and Relationships (3) (S)** May not count toward MATH or CSCI major or minor. P: MATH 1067. Modeling approach to study of functions (including logarithmic, exponential, and trigonometric functions), data analysis, and matrices. Foundation for future course work in calculus, finite mathematics, discrete mathematics, and statistics.

**1083. Introduction to Functions (3) (F,S,SS) (GE:MA)** May not be taken by students who have successfully completed MATH 1074 or MATH 1085. Intended BS in mathematics major should take MATH 1085. P: Consent of dept chair. Accelerated introduction to language of functions. Emphasis on trigonometry as a preparation for calculus sequence MATH 2171-73.

**1085. Pre-Calculus Mathematics (5) (F,S,SS) (GE:MA)** May not be taken by students who have credit for MATH 1074. P: MATH 1065 with minimum grade of C. Algebra and trigonometry for qualified students who plan to take calculus.

**2119. Elements of Calculus (3) (F,S,SS) (GE:MA)** May not receive credit for MATH 2119 after having received credit for a higher numbered calculus course. P: MATH 1065 with minimum grade of C. Elementary differentiation and integration techniques. Proofs not emphasized.

**2121. Calculus for the Life Sciences I (3) (F,S,SS) (GE:MA)** May not receive credit for MATH 2121 after taking MATH 2171 P: MATH 1065 or 1077 with minimum grade of C. Introductory differential calculus with biological sciences applications. Introduces differentiation of exponential and logarithmic functions. Applications to exponential biological phenomena, related rates, regions of increase and decrease, and extrema.

**2122. Calculus for the Life Sciences II (3) (F,S,SS)** May not receive credit for MATH 2122 after taking MATH 2172. P: MATH 2121. Introductory integral calculus with biological sciences applications. Introduction to and applications of definite integrals. Introduces trigonometric functions with applications to periodic biological phenomena. Functions of several variables, partial derivatives, simple differential equations, and arithmetic of matrices and vectors.

**2123. Early Experiences for the Prospective Teacher (1) (F,S)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. May not count toward BA in MATH major or minor. P: MATH 2171. Introduction to teaching of mathematics.

**2124. Elementary Mathematical Models (1)** P: MATH 2171. Formulation and solution of various types of problems using techniques of establishing a mathematical model.



## SECTION 8: COURSES

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**2127. Basic Concepts of Mathematics (3) (F,S,SS) (GE:MA)** May not count toward MATH or CSCI major or minor. P: Appropriate score on math placement test. System of real numbers and subsystems and their properties from an algebraic viewpoint. Statistics and number theory.

**2129. Basic Concepts of Mathematics (2) (F,S,SS)** For elementary education majors. May not count toward MATH or CSCI major or minor. P: MATH 2127. Second course in sequence. Methods and language of geometry and relationship of geometry to real world.

**2171. Calculus I (4) (F,S,SS) (GE:MA)** P: MATH 1083 or 1085 or 2122 with a minimum grade of C. First of three-course sequence. Brief review of precalculus, limits and continuity, differentiation and its applications, and integration.

**2172. Calculus II (4) (F,S,SS) (GE:MA)** P: MATH 2171 or MATH 2122 with consent of instructor. Second of three-course sequence. Transcendental functions, applications of integrals, techniques of integration, and infinite series.

**2173. Calculus III (4) (F,S,SS) (GE:MA)** P: MATH 2172. Third of three-course sequence. Conics, parametrized curves, polar coordinates, vectors and analytic geometry in space, partial derivatives, and multiple integrals.

**2228. Elementary Statistical Methods I (3) (F,S,SS)** For students with limited mathematical training. May not count toward MATH major or minor. May receive credit for one of MATH 2228, 2283. P: MATH 1065 or equivalent. Collection, systematic organization, analysis and interpretation of numerical data obtained in measuring certain traits of a given population.

**2282. Data Analysis and Probability (3) (F,S)** May not count toward MATH or CSCI major or minor. May receive credit for one of MATH 2282, 2935. P: MATH 1067. Collection of data from experiments and surveys. Organizing and representing data. Interpreting data for judging claims, making decisions, or making predictions.

**2283. Statistics for Business (3) (F,S,SS)** May receive credit for one of MATH 2228, 2283. P: MATH 1065 or 1066 or equivalent. Sampling and probability distributions, measures of central tendency and dispersion, hypothesis testing, Chi-square, and regression.

**2427. Discrete Mathematical Structures (3) Same as CSCI 2427** May not count toward MATH major or minor. May receive credit for one of MATH 2427, 2775, 3237. P: MATH 1065 or 1066. Structures of discrete mathematical structures. Special emphasis is given to those structures most important in computer science. Considers practical applications of the subject.

**2775. Topics in Discrete Mathematics (3) (S)** For prospective teachers of secondary school math. May receive credit for one of MATH 2427, 2775, 3237. P: MATH 1085. Selected topics include counting techniques, graph theory, difference equations, recursion, iteration, induction, and dynamical systems.

**2935. Data Analysis (3) (F)** May receive credit for one of MATH 2282, 2935. P: MATH 1085. Introductory course utilizing hands-on approach to collection, representation, and interpretation of data. Topics include types of data, sampling techniques, experimental probability, sampling distributions, simulations, and hypothesis testing using collected.

**3004. Seminar in Secondary Mathematics Curriculum: Algebra (1) (S)** 10 practicum hours per semester. May not count toward BA in MATH or minor. P: MATH 2123. Teaching and learning of introductory high school algebra.

**3005. Seminar in Secondary Mathematics Curriculum: Geometry (1) (F)** 10 practicum hours per semester. May not count toward BA in MATH or minor. P: MATH 2123; C: MATH 3233. Teaching and learning of high school geometry.

**3006. Seminar in Secondary Mathematics Curriculum: Advanced Mathematics (1) (S)** 10 practicum hours per semester. May not count toward BA in MATH or minor. P: MATH 3004, 3005. Teaching and learning of advanced high school mathematics.

**3166. Euclidean Geometry (3) (F,S,SS)** May not count toward MATH or CSCI major or minor. P: MATH 1065 or 1067; 2127. Euclidean geometry using deductive and inductive mathematical reasoning. Formal proofs.

**3174. Vector Calculus (3)** P: MATH 2173. Vector algebra and vector functions of single variable. Scalar and vector fields, line and surface integrals, and multiple integrals.

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(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**3218. Teaching Mathematics in Special Education (3) (F,S,SS)** 4 lecture/lab hours per week. Lab and practicum experiences required. May not count toward MATH major or minor. P: Admission to upper division; MATH 1065, 2127; SPED 2000; at least one of the following: SPED 2102, 2103, 2104; RP: MATH 2129. Methods, materials, and techniques of teaching mathematics to special education students.

**3223. Teaching Mathematics in the Elementary Grades K-6 (3) (F,S,SS)** 2 lecture and 2 lab hours per week. P: MATH 2129. Techniques and methods for teaching mathematics to students in grades K-6. Lab provides deeper understanding of mathematical concepts and experience with materials and methods appropriate for classroom work.

**3229. Elementary Statistical Methods II (3)** For students with limited mathematical training. May not count toward MATH major or minor. P: MATH 2228 or equivalent. Collection, systematic organization, analysis, and interpretation of numerical data obtained in measuring certain traits of a given population.

**3233. College Geometry (3) (F)** P: MATH 2171. Modern college geometry presented as outgrowth and extension of elementary plane geometry. Important theorems relative to nine-point circle, cross ratios, the geometry of circles, and solid geometry. Euclidean transformations discussed.

**3237. Discrete Mathematics (3) (F)** May not count toward MATH or CSCI major or minor. May receive credit for one of MATH 2427, 2775, 3237. P: MATH 2121. Logic and sets, mathematical induction, and matrices. Applications of discrete mathematics in probability, linear programming, dynamical systems, social choice, and graph theory.

**3239. Applied Mathematics Via Modeling (3)** May not count toward MATH or CSCI major or minor. P: MATH 2122, 2282, 3166, 3237. Real world problems that can be modeled with algebra, geometry, calculus, and statistical, probabilistic, discrete, or other mathematical techniques appropriate for prospective teachers of middle school mathematics. Mathematical modeling processes examined through historical and contemporary modeling success stories. Power and limitations of mathematical modeling.

**3256. Linear Algebra (3) (F,S,SS)** P: MATH 2172. Vector spaces, linear maps, matrices, systems of equations, determinants, and eigenvalues.

**3263. Introduction to Modern Algebra (3) (WI) (F,S)** P: MATH 3256. Postulation viewpoint of modern algebra. Defining postulates for mathematical system exhibited from which properties of system are derived. Principal systems studied are groups, rings, fields, each fully treated with illustrative examples.

**3307. Mathematical Statistics I (3) (F,S)** P: MATH 2172. Axiomatic development of theory of probability and its application to construction of certain mathematical models.

**3308. Mathematical Statistics II (3)** P: MATH 3307. Construction of mathematical models for various statistical distributions. Testing of hypotheses and estimation, small-sample distributions, regression, and linear hypotheses.

**3550, 3551. Mathematics Honors (2,1) (F,S,SS)** Acceptance in program entitles student to register for MATH 3550 or 3551. P: Exceptional mathematical ability; MATH 2173 or consent of instructor.

**3573. Introduction to Numerical Analysis (3) Same as CSCI 3573** P: CSCI 2510 or 2600; MATH 2119 or 2172 or equivalent. Algorithms suitable for digital computation in areas of linear algebra, linear programming, slope finding, area finding, and nonlinear equation solution.

**3584. Computational Linear Algebra (3) (F,S,SS) Same as CSCI 3584** May not count toward MATH major or minor. P: Calculus course. Introduces vectors, matrices, and determinants. Special emphasis on application of linear algebra to solution of practical problems.

**4001. Technology in Secondary Mathematics Education (3) (F)** 2 lecture and 2 lab hours per week. May not count toward MATH major or minor. P: Admission to upper division; MATH 2775, 2935; C: MATH 4323. Uses and implications of calculators and computers in secondary mathematics curriculum.

**4201. Introduction to Stochastic Processes (3)** P: MATH 3307 or equivalent or consent of instructor. Fundamental theory and models of stochastic processes. Expectations and independence, sums of independent random variables, Markov chains and their limiting behavior and applications, Poisson processes, birth and death processes; and Gaussian processes.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**4319. Teaching Mathematics in the Middle Grades (3) (F)** 4 hours per week and 10-12 hours of field experience. May not count toward MATH or CSCI major or minor. P: Admission to upper division; EDUC 3200; MIDG 3010, 3022; MATH 2122, 2282, 3166, 3237; or consent of instructor; C: MIDG 4001, 4010; ENGL or HIST or MIDG or SCIE 4319; or consent of instructor. Techniques and methods of teaching mathematics in grades 6-9.

**4323. The Teaching of Mathematics in High School (3) (F)** 4 hours per week. May not count toward BA in MATH or minor. P: MATH 2123. Modern methods and techniques used in teaching secondary school mathematics.

**4324. Internship in Mathematics (10) (S)** Full-time, semester-long internship. May not count toward BA in MATH or minor. P: Admission to upper division; MATH 4323; C: MATH 4325; READ 3990. Observation and supervised teaching in mathematics in assigned public secondary school classroom.

**4325. Internship Seminar: Issues in Mathematics Education (1) (S)** May not count toward BA in MATH or minor. P: Admission to upper division; MATH 4323; C: MATH 4324. Individualized study of problems or issues.

**4331. Introduction to Ordinary Differential Equations (3) (F,S)** P: MATH 2173. Linear and nonlinear differential equations.

**4332. The Calculus of Finite Differences (3)** P: MATH 2173. Discrete changes that take place in values of a function and its dependent variable due to discrete changes in independent variable.

**4501, 4502, 4503. Independent Study (1,2,3) (F,S,SS)** For advanced math students. Number of hours per week will depend on credit hours and nature of work assigned. P: MATH major; consent of dept chair. Topics supplement regular curriculum.

**4550, 4551. Mathematics Honors (2,1) (F,S,SS)** Acceptance in program entitles student to register for MATH 4550 or 4551. P: Exceptional mathematical ability; MATH 2173 or consent of instructor.

**5000. Introduction to Sampling Design (3) (F)** P: MATH 3308 or 3229 or consent of instructor. Fundamental principles of survey sampling. Data sources and types, questionnaire design, various sampling schemes, sampling and nonsampling errors, and statistical analysis.

**5002. Logic for Mathematics and Computer Science (3) (S) Same as CSCI 5002** P: CSCI 3510 or MATH 2427 or 2775 or 3223 or 3256 or PHIL 3580 or equivalent. Methods of mathematical logic that have important applications in mathematics and computer science.

**5021. Theory of Numbers I (3)** P: MATH 3263 or consent of instructor. Topics in elementary and algebraic number theory such as properties of integers, Diophantine equations, congruences, quadratic and other residues, and algebraic integers.

**5031. Applied Statistical Analysis (3) (WI)** May not count toward math hours required for math MA. P: MATH 2228, 3584; or equivalent; or consent of instructor. Topics include analysis of variance and covariance, experimental design, multiple and partial regression and correlation, nonparametric statistics, and use of computer statistical package.

**5064. Introduction to Modern Algebra II (3)** May not be taken for credit by those having completed MATH 601I. P: MATH 3263 or consent of instructor. Continuation of development of topics begun in MATH 3263. Normal subgroups, factor groups, homomorphism, rings, ideals, quotient rings, and fields.

**5101. Advanced Calculus I (3)** P: MATH 2173 or consent of instructor. Axioms of real number system, completeness, sequences, infinite series, power series, continuity, uniform continuity, differentiation, Riemann integral, Fundamental Theorem of Calculus.

**5102. Advanced Calculus II (3)** P: MATH 3256, 5101; or consent of instructor. Mathematical analysis of functions of several real variables. Includes limits, continuity, differentiation, and integration of multivariable functions.

**5110. Elementary Complex Variables (3)** May not be taken for credit by those having completed MATH 611I. P: MATH 2173. Complex numbers, analytic functions, mapping by elementary functions, integrals, residues, and poles.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**5121. Numerical Analysis in One Variable (3)** P: MATH 2173. Numerical analysis of problems with one independent variable. Solution of nonlinear equations in one unknown, interpolation and approximation of functions of one variable, numerical integration, and numerical differentiation and optimization.

**5122. Numerical Analysis in Several Variables (3)** P: MATH 2173, 3256, 4331. Numerical analysis of problems with several independent variables. Numerical solution of ordinary differential equations, systems of linear equations, numerical linear algebra and matrix algebra, systems of nonlinear equations, and systems of ordinary differential equations.

**5131. Deterministic Methods in Operations Research (3)** P: MATH 2173; 3307 or 5801. Mathematical models; linear programming; simplex method, with applications to optimization; duality theorem; project planning and control problems; and elementary game theory.

**5132. Probabilistic Methods in Operations Research (3)** P: MATH 2173, 3256; 3307 or 5801. Introduction to stochastic processes. Queuing theory with applications to inventory theory and forecasting, Poisson and Markov processes, reliability simulation, decision analysis, integer programming, and nonlinear programming.

**5251. Modern Mathematics for Elementary Teachers I (3)** Not open to undergraduate or graduate math majors or minors. A teacher taking this course would receive certificate renewal credit and/or 3 s.h. of graduate elective credit in elementary education. P for undergraduate students: MATH 3223 or consent of instructor; P for graduate students: MATH 2127, 2129; 3219 or 3221; or equivalent; or consent of instructor. Numeration systems and real numbers from axiomatic approach. Topics in geometry, algebra, probability theory, and number theory. Emphasis on relationship between these topics and school mathematics.

**5263, 5264. Modern Mathematics for Junior High School Teachers I, II (3,3)** May not count toward MATH or CSCI major or minor. P for 5263: Consent of instructor; P for 5264: MATH 5263 or consent of instructor. Set theory, mathematical systems and proofs, number systems, elementary number theory, applications of mathematics in business, science, and other areas. Basic concepts of geometry, algebra, probability, and statistics.

**5265, 5266. Microcomputers in Secondary Education (3,0)** 2 lecture and 2 lab hours per week. May not count toward a MATH or CSCI major or minor. P: MATH 1075 or 1085 or 3166; consent of instructor. Operation and programming of microcomputers in secondary school system.

**5267, 5268. LOGO: A Computer Language for Educators (3,0)** 2 lecture and 2 lab hours per week. May not count toward MATH major or minor. P: MATH 3166 or consent of instructor. LOGO and its uses with students K-12.

**5270. Pascal Using the Microcomputer (3)** May not be taken by students who have successfully completed CSCI 2610. May not count toward MATH or CSCI major or minor. P: MATH 1065 or equivalent. Pascal language and use in problem solving utilizing a microcomputer.

**5311. Mathematical Physics (3) Same as PHYS 5311** P: MATH 4331; PHYS 2360; or consent of instructor. Mathematical methods important in physics. Emphasis on application. Functions of complex variables, ordinary and partial differential equations, integrals and integral transforms, and special functions.

**5322. Foundations of Mathematics (3) (WI)** P: MATH 3233, 3263; or equivalent. Fundamental concepts and structural development of mathematics. Non-Euclidean geometries, logic, Boolean algebra, and set theory. Construction of complex number systems. Transfinite cardinal numbers and study of relations and functions. Topics developed as postulational.

**5521. Readings and Lectures in Mathematics (3)** Individual work with student.

**5551. The Historical Development of Mathematics (3)** P: MATH 3233; C: MATH 2172 or consent of instructor. History of mathematics from antiquity to present. Emphasis on study of significant problems which prompted development of new math. Uses computer resources and library for research of topics and solutions.

**5581. Theory of Equations (3)** P: MATH 2173 or consent of instructor. Topics include operations with complex numbers, De Moivre's Theorem, properties of polynomial functions, roots of general cubic and quartic equations, methods of determining roots of equations of higher degree, and methods of approximating roots.

## SECTION 8: COURSES

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**5601. Non-Euclidean Geometry (3)** P: MATH 3233 or consent of instructor. Non-Euclidean geometries, finite geometries, and analysis of other geometries from point of view of properties which remain invariant under certain transformations.

**5774. Programming for Research (3) Same as CSCI 5774** For graduate student who wishes to use computer science to meet required research skills of his or her dept. May not count toward MATH major or minor. P: General statistics course or consent of instructor. Emphasis on minimum-level programming skill and use of statistical packages.

**5801. Probability Theory (3)** P: MATH 2173 or 3307. Axioms of probability, random variables and expectations, discrete and continuous distributions, moment generating functions, functions of random variables, Central Limit Theorem, and applications.

### MATH Banked Courses

**1063. College Algebra (3)**

**2165, 2166. Advanced Concepts of Modern Mathematics I, II (3,3)**

**2182, 2183. Integrated Calculus I, II (5,5)**

**3219, 3220. Teaching of Elementary Mathematics K-3 (3,0)**

**3221, 3222. Teaching of Elementary Mathematics 4-6 (3,0)**

**3268, 3269. Analysis I, II (2,2)**

**3275. Numerical Analysis III (3)**

**5252. Modern Mathematics for Elementary Teachers II (3)**

**5261, 5262. Modern Mathematics for Secondary Teachers I (3,3)**

**5301, 5302. Analytical Mechanics I (3,3)**

**5321, 6322. Applied Mathematics I, II (3,3)**

**5331. Introduction to Celestial Mechanics (3)**

**5610. Applied Analysis (3)**

### MGMT: MANAGEMENT

**3202. Fundamentals of Management (3) (F,S,SS)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ECON 2113. Organizational management, including managerial functions, understanding of individual needs and motivation, and managerial leadership.

**3352. International Business (3) (F,S,SS)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: MGMT 3202. Framework within which international business is conducted. Analysis of typical business and economic problems in multinational business.

**4001, 4002, 4003. Special Issues and Topics (1,2,3) (F,S)** May be repeated for maximum of 3 s.h. P: Business major; consent of dept chair and instructor. Individual study of special issues and topics in management and business. Subject approved by instructor.

**4242. Organizational Behavior (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. May receive credit for one of MGMT 4242, PSYC 3241. P: MGMT 3202. Human aspect of managing modern organizations. Modern theory and application of behavior with emphasis on applications.

**4252. Entrepreneurship (3) (WI) (F)** Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 3724; MGMT 3202; MKTG 3832. New venture creation and management.

**4262. Small Business Management (3) (WI) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. 2 classroom and 2 lab hours per week. P: FINA 3724; MGMT 3202; MKTG 3832. Student teams provide management counseling to area small businesses under continued supervision of instructor. Travel necessary. Drivers must provide copy of valid driver's license and liability insurance. Drivers reimbursed for required travel.

**4272. Managing the Family Business (3) (WI)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MGMT 3202. Business, personal, and interpersonal issues associated with family owned and managed firms.

**4342. Organizational Change and Development (3) (F,S) Formerly MGMT 3342** Registration preference given to declared and intended majors with a minimum 2.5 GPA. Basic, yet comprehensive, overview of organizational development. Evolution of field, key concepts, and methods that drive organizational development; techniques to diagnose opportunities for change; and tools to implement and evaluate organizational development initiatives.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

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**4343. Organizational Leaders and Leadership (3) (F,S) Formerly MGMT 3343** Registration preference given to declared and intended majors with a minimum 2.5 GPA. Current and emerging leadership theories as bases for discussing leadership ability of both historical and contemporary organization managers.

**4352. Management in a Global Economy (3) (S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 4454 or MGMT 3352 or MKTG 4992. Application of US management practices in foreign economies and performance implications of applying foreign management practices in US economy. Ethical, legal, and social responsibility concerns.

**4402. Human Resource Management (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MGMT 3202. Management, procurement, development, maintenance, compensation, and utilization of effective working force by line and staff executives.

**4422. Labor Relations (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MGMT 3202. Labor in US. History, structure and government of unions, labor law, collective bargaining processes, contract administration, and public sector organizations.

**4482. Managerial Negotiation (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MGMT 3202. Role of negotiation in management. Goal formation, buying and selling, employer-employee relations, and mergers and acquisitions. Various bargaining strategies and tactics.

**4842. Business Policy (3) (F,S,SS)** P: Senior standing; declared major in School of Business; DSCI 3123; FINA 3724; MKTG 3832. Integrated analysis of administration and policy determination from overall management point of view under conditions of uncertainty.

**4952. Topics in Management (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. May be repeated for credit with change of topic and consent of dept chair. P: Senior standing; MGMT 3202; consent of dept chair. Selected topics.

### MGMT Banked Courses

**3203. Organizational Management (3)**

**4492. Personnel Decision Making (3)**

**4472. Compensation Management (3)**

**4992. Internship (0)**

### MIDG: MIDDLE GRADES EDUCATION

**2123. Early Experiences for the Prospective Teacher (1) (F,S)** Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction. P: Sophomore standing or consent of instructor. Introduction to teaching for prospective middle-school teachers.

**3001. The Middle Grades (3) (WI)** 10 clock hours practicum. P/C: MIDG 2123. Nature of pre-adolescent and organizational structure of middle school which supports developmentally appropriate levels of each student. Emphasis on cognitive, social, moral, physical, and psychological domains of development. Shadow experience with middle grades students.

**3010. Middle Grades Curriculum and Planning (4)** 12 practicum hours per week. P: Junior standing; MIDG 3001; C: MIDG 3022. Planning of curricular lessons, units, and courses of study in middle grades. Emphasis on organization of curriculum within structure of interdisciplinary planning, teaming, and instruction.

**3022. Instructional Models and Strategies for Middle Grades (3)** P: MIDG 3001; C: MIDG 3010. Repertoire of teaching/learning strategies appropriate for middle-level classroom. Emphasis on practice and integration of strategies into curriculum planning process introduced in MIDG 3010.

**4001. Organization, Management, and Motivation in the Middle Grades Classroom (3)** 12 hours of clinical experience per week. P: Upper division status; MIDG 3010, 3022; C: MIDG 4010; choose 2 from ENGL or MIDG; or HIST or MATH or SCIE 4319. Emphasis on organization and management of middle grades classroom. Application of motivation theory through case study and simulation integrated throughout class.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**4010. Instructional Evaluation in Middle Grades (3)** P: Upper division status; MIDG 3010, 3022; C: MIDG 4001; choose 2 from ENGL or MIDG; or HIST or MATH or SCIE 4319. Traditional and authentic assessment for both middle grades students and teachers.

**4319. Teaching English/Language Arts in the Middle Grades (3) Same as ENGL 4319** 12 hours of clinical experience per week. May not count toward general education humanities requirement or as an advanced elective for ENGL majors. P: Admission to upper division; EDUC 3200; MIDG 3001, 3010, 3022; 10 s.h. in ENGL; C: MIDG 4001, 4010; HIST or MATH or SCIE 4319. Curriculum design and methods of teaching language arts in grades 6-9.

**4324. Internship in the Middle Grades (10)** Full-time, semester-long internship. P: Admission to upper division; EDTC 4001; EDUC 4400 or PSYC 4305; EDUC 3200; MIDG 4001, 4010; READ 5317; choose two methods courses from MIDG, HIST, MATH, SCIE 4319; C: MIDG 4325. Structured clinical internship. Student teaches under supervision for extended period of time in two content areas in classroom situation.

**4325. Internship Seminar: Issues in Middle Grades Education (2)** C: MIDG 4324. Problems and/or issues vital to internship. Presentation of professional portfolio.

**5991, 5992, 5993. Readings in Middle Grades Education (1,2,3) (5993:WI)** Each may be repeated once for a maximum of 6 s.h. P: Upper-level undergraduate or graduate status; consent of adviser. Directed readings on selected topics.

### MKTG: MARKETING

**3832. Marketing Management (3) (F,S,SS)** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ECON 2113. Marketing concepts and their relevance to corporate objectives and methods of operation. Marketing environment, marketing mix, marketing planning and strategies implementation, and assessment of marketing performance.

**3852. Cultural Environment of International Business (3) Same as INTL 3852** Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: Junior standing and completion of 3 s.h. in ECON. Cross-cultural differences in international relations and business management. Study of strategies/tactics to overcome cultural barriers to international trade, investment, and human relationships.

**4332. Professional Selling (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832. Role and activities of professional salesperson in modern marketing. Selling as profession, selected aspects of buyer behavior, sequential steps of selling process, and career development.

**4342. Sales Force Management (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 4332. Role and activities of sales manager in modern marketing. Brief review of personal selling, role of sales function in organization, and managerial tasks of designing, developing, directing, and compensating sales force.

**4352. Selling and Sales Management (3) (F)** P: MKTG 3832. Nature and importance of selling function, effective sales techniques, sales force recruiting, testing, selection, training, motivation, compensation, evaluation, and management.

**4362. Retail Management (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832. Retail structure and organization. Buying, selling, and pricing. Sales promotions and customer services. Establishment of retail business. Retail accounting control.

**4532. Business and Organizational Marketing (3) (F,S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832. Strategic implications of marketing high volume, high cost, or high technology products or services to organizations. Focus on group buying processes, interfirm dynamics and relationship building, marketing mix considerations, and effects of global marketplace.

**4562. Marketing Strategy (3) (F,S,SS)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832; additional 6 s.h. in MKTG. Analysis and presentation of marketing cases. Selection of appropriate marketing mix to satisfy overall organizational objectives.

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**4662. Marketing Research (3) (WI)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MATH 2283; MKTG 3832. Development, validation, and execution of research design to solve marketing and other business problems based on primary and secondary data bases.

**4732. Consumer Behavior (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832. Behavioral science concepts as related to processes of consumer motivation and buyer behavior.

**4752. Advertising and Promotion Management (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832. Development and evaluation of promotional strategies, programs, and plans.

**4762. Services Marketing (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832. Services marketing situations in different environments such as commercial, nonprofit, public sector and professional organizations. Development of appropriate marketing strategies and tactics to maximize customer and client satisfaction.

**4790. Distribution Management (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832. Current approaches and procedures for attaining and maintaining effective manufacturer/distributor relationships. Channel participants, communication and other behavioral processes, selection and motivation of channel members, and international channel perspectives.

**4972. Topics in Marketing (3)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832; consent of dept chair. Selected topics.

**4973. Topics in Marketing (2)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832; consent of dept chair. Selected topics.

**4974. Topics in Marketing (1)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832; consent of dept chair. Selected topics.

**4975. Electronic Commerce (3) (F,S)** P: MKTG 3832. Examines processes necessary to integrate a website into an organizations strategic plan and basics of the Internet. Focuses on strategic application of website to enhance corporate profit, serve customers, and market organization. Covers improvement, maintenance, and promotion of site, including registering with search engines and directories.

**4992. International Marketing (3) (WI) (S)** Registration preference given to declared majors with a minimum 2.5 GPA. P: MKTG 3832. International theory, environment, strategy, and problems.

### **MKTG Banked Courses**

**4462. Retailing Strategy (3)**

**4882. Physical Distribution Management (3)**

### **MLSC: MILITARY SCIENCE**

**1001, 1011. Introduction to ROTC and the Army (2,0) (F)** Variety of subjects to stimulate student interest and commitment. Introductory training includes leadership, written and oral communications, physical fitness, and general military subjects.

**1004, 1014. Basic Soldier Skills (2,0) (S)** Emphasis on early development of leadership and soldier skills. Training is introductory in scope and includes leadership, written communications, first aid, and general military subjects. Leadership labs include drills, physical conditioning, and specialized topics that cannot be adequately covered in classrooms.

**2001, 2011. Basic Military Leadership (2,0) (F)** 2 seminar and 2 lab hours per week. P: MLSC 1001, 1011, 1004, 1014. Basic topics in leadership and management. Emphasis on elemental supervisor-subordinate relationships in an organization. Selected leadership labs include drill and physical conditioning. Visit to Ft. Bragg Recondo School. Uniforms issued. Requires compliance with US Army appearance standards.

**2002, 2012. Basic Small Unit Tactics (2,0) (S)** 2 seminar and 2 lab hours per week. P: MLSC 1001, 1011, 1004, 1014. Essential elements of squad tactics and pertinent leadership/management techniques. Lab includes practical field exercise with advanced cadets and attendance at selected leadership labs. Uniforms issued.

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## SECTION 8: COURSES

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**3001, 3011. Applied Military Leadership (4,0) (F)** 3 lecture and 2 lab hours per week. P: Completion of ROTC basic course or MLSC 1001, 1011, 1004, 1014, 2001, 2002 or basic ROTC camp or 3 years Junior ROTC; prior service or equivalent. Army organizational leadership and processes, leadership activities, and key management functions. Management and conduct of group training activities. Lab exercises keyed to practical application of concepts learned in classroom.

**3002, 3012. Intermediate Small Unit Tactics (4,0) (S)** 3 lecture and 2 lab hours per week. P: Completion of MLSC 3001, 3011 or ROTC basic camp or ROTC basic course or 3 years Junior ROTC or prior service or equivalent. Planning, organizing, and executing military operations at squad and platoon level. Focus on leader's actions. Review of map reading and navigation lab with focus on specialized topics that cannot be adequately covered in classroom.

**4001, 4011. Military Law and Advanced Tactics (4,0) (F)** 3 lecture and 2 lab hours per week. P: MLSC 3001, 3002. Role of military justice in US Army and its impact on a soldier's actions in the military civilian, and international communities. Doctrines and philosophies which dictate employment of platoon and company size forces. Role of discipline in developing an effective unit.

**4002, 4012. Military Ethics and Professional Development (4,0) (S)** 3 lecture hours and 2 lab hours per week. P: MLSC 4001 or consent of dept chair. Ethics and professionalism of officer corps. Responsibilities of small unit leaders and techniques of managing people and material. Social aspect of military life. Organizations and agencies available on military installations to help a soldier and his or her family.

### MLSC Banked Courses

**1003. Military Management and Problem Solving (1)**

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### MRST: MEDIEVAL AND RENAISSANCE STUDIES

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**2000. Introduction to Medieval and Renaissance Studies (3) (GE:HU)** May count toward elective requirement of MRST minor or general education humanities requirement. Medieval and Renaissance studies via art, English, foreign languages and literatures, history, music, and philosophy.

**5000. Medieval and Renaissance Studies Seminar (3)** P: 9 s.h. in MRST or consent of director. Interdisciplinary seminar.

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### MULT: MULTIDISCIPLINARY STUDIES

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**3500. Research in Multidisciplinary Studies (3) (WI)** P: Admission to MULT; consent of program director. First of two-course sequence. Independent thesis research/creative project. Supervised by a faculty member.

**4999. Seminar in Multidisciplinary Studies (3) (WI)** P: MULT 3500; consent of program director. Seniors from all disciplines complete, present, and discuss their theses/creative projects with fellow students, faculty mentors, and program director.

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### MUSC: MUSIC

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**1000. Recital (0)** Studio, student, and senior recitals. Lab for all music majors.

**4507, 4508, 4509. Topics and Issues in Music (1,2, or 3)** May be repeated for credit. P: Consent of instructor. Research of relevant problems and issues.

**4550. Music Honors Program (2)** May be repeated for maximum of 4 s.h. P: Senior standing; minimum 3.0 GPA. Elective program. May be elected in lieu of senior electives in theory and/or music history and literature.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

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**MUSC: APPLIED MUSIC, GROUP**


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**Applied music fee for all private and group courses is \$31 per semester hour credit.**

**1105, 1115. Beginning Group Piano (1,1)** Required of all nonkeyboard music minors and those nonkeyboard music majors who are not able to meet requirements for entrance into MUSC 2105. 2 sessions per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. P for 1115: MUSC 1105. Functional use of piano. Piano proficiency for music majors and minors. Student must earn minimum grade of C in each course to satisfy piano proficiency requirements.

**1205, 1215. Beginning Voice Group (1,1)** Required of all beginning voice minors. 2 sessions per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. P for 1215: MUSC 1205. Fundamentals of vocal production and some literature.

**1405, 1415, 1425. Woodwind Group (1,1,1)** 2 sessions per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. Development of basic playing ability on clarinet and saxophone in 1405, oboe and bassoon in 1415, and flute in 1425.

**1435. Brass Group (1)** 2 sessions per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. Development of basic playing ability on common brass instruments.

**1445. Percussion Group (1)** 2 sessions per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. Fundamentals and teaching techniques.

**2105, 2115. Intermediate Group Piano (1,1)** Required of all nonkeyboard music majors who are not able to meet proficiency requirements. 2 sessions per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. P for 2105: MUSC 1115; P for 2115: MUSC 2105. Functional use of piano. Proficiency for music majors. Successful completion of sequence satisfies piano proficiency requirements for some concentrations. Student must earn minimum grade of C in each course to satisfy piano proficiency requirements.

**2125, 2135. Basic Keyboard Skills (1,1) (2125: F02; 2135: S03) Same as MUSC 2125, 2135 (Pedagogy)** 2 sessions per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. P for 2135: MUSC 2125. Functional use of piano for music majors and minors whose primary performance medium is keyboard instrument.

**2305, 2315. String Class (1,1)** 2 sessions per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. Development of basic playing ability on violin and viola in 2305; cello and string bass in 2315.

**2455, 2465, 3455, 3465, 4455. Accompanying (1 each) Same as MUSC 2455, 2465, 3455, 3465, 4455 (Performance Groups, Small)** 1 hour per week and supervised accompanying of singers and instrumentalists. Instruction in classes of 4 or more students. May count toward minor applied music requirement. May be repeated for credit. P for 2465, 3455, 3465, 4455: MUSC 2455. Skills, sight reading, transposition, and style required of accompanists.

**3105, 3115. Functional Guitar Class (1,1) (F,S)** For prospective music teachers and music therapists. 2 sessions per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. P for 3105: MUSC 2115 or consent of instructor; P for 3115: MUSC 3105 or consent of instructor. Use of guitar as functional accompanying instrument in classroom music teaching.

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**MUSC: APPLIED MUSIC, PRIVATE**


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**Applied music fee for all private and group courses is \$31 per semester hour credit.**

Courses in applied music are required for all music majors and are open to qualified nonmusic major university students when teaching time is available.

Minor applied students receive one half-hour lesson per week. Major applied students receive one hour lesson per week.

## SECTION 8: COURSES

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Each music major is required to have a performance medium. The minimum entrance performing proficiency level is III, and the minimum graduation level ranges from VI to VIII. A minimum of a half recital is required of all music majors for graduation; 2 recitals are required of performance majors. 2 semester hours credit per semester is required as a minimum for the major performing medium. Instruction is available for the following instruments:

|                       |                       |                                     |                      |
|-----------------------|-----------------------|-------------------------------------|----------------------|
| <b>01-Piano</b>       | <b>08-Viola</b>       | <b>14-Bassoon</b>                   | <b>19-Trombone</b>   |
| <b>02-Organ</b>       | <b>09-Cello</b>       | <b>15-Clarinet</b>                  | <b>20-Euphonium</b>  |
| <b>03-Harpsichord</b> | <b>10-String Bass</b> | <b>16-Saxophone (alto or tenor)</b> | <b>21-Tuba</b>       |
| <b>05-Guitar</b>      | <b>11-Flute</b>       | <b>17-Trumpet</b>                   | <b>22-Percussion</b> |
| <b>06-Voice</b>       | <b>13-Oboe</b>        | <b>18-Horn</b>                      | <b>23- Jazz</b>      |
| <b>07-Violin</b>      |                       |                                     |                      |

In addition to the above, instruments such as piccolo, English horn, bass clarinet, contrabassoon, etc., may be studied in conjunction with 1 of these applied majors, but not as a separate major or minor.

Catalog numbers are set by the registrar as follows: the first digit indicates level, the middle 2 digits indicate the applied areas as listed above, and the last digit indicates credit. Credit is variable: 1-4 s.h. If the last digit is 0, the applied music course is for students who do not meet minimum performance proficiency requirements as determined by the student's auditioning committee and the course may not count toward general education fine arts requirements, certification, or degree requirements.

Below are the catalog numbers and credit for each class. The 2 digits to be substituted for the blanks will indicate the applied area, as listed above. For example, Lower-Level Applied Piano for 1 credit is MUSC 1011. All applied music courses may be repeated for credit.

|   |   |
|---|---|
| <b>1__0 Lower-Level Applied Music (2)</b> | <b>3__0 Upper-Level Applied Music (2)</b> |
| <b>1__1 Lower-Level Applied Music (1)</b> | <b>3__1 Upper-Level Applied Music (1)</b> |
| <b>1__2 Lower-Level Applied Music (2)</b> | <b>3__2 Upper-Level Applied Music (2)</b> |
| <b>1__3 Lower-Level Applied Music (3)</b> | <b>3__3 Upper-Level Applied Music (3)</b> |
| <b>1__4 Lower-Level Applied Music (4)</b> | <b>3__4 Upper-Level Applied Music (4)</b> |

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### MUSC: CONDUCTING

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**3156, 3166. Conducting (2,2)** P: MUSC 2166; P for 3166: MUSC 3156. Skills relevant to performance of instrumental and choral music.

**5706, 5716. Advanced Applied Conducting (3,3)** May be repeated for credit. Applied instrumental or choral conducting techniques. Score reading and analytical studies to develop knowledgeable interpretation of compositions for performance.

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### MUSC: JAZZ STUDIES

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**1231, 1232, 1233, 1234. Lower-Level Applied Jazz (1,2,3,4) (F,S,SS)** May be repeated for credit. P: MUSC 2166, 2186; or consent of instructor. Application of principles and techniques used in performance practices in various jazz styles. Style periods include Dixieland, swing, bebop, cool, contemporary, and electronic jazz.

**2095, 2096. Jazz Keyboard Harmony (2,2)** P for 2095: MUSC 2115, 2166, 2186; or consent of instructor. Application of principles of twentieth century jazz keyboard harmony, form, and structure from ragtime to present.

**2195. Jazz Improvisation (2)** P: MUSC 1115, 2166, 2186; or consent of instructor. Application of techniques.

**2196. Advanced Jazz Improvisation (2)** P: MUSC 2195 or consent of instructor. Continuation of MUSC 2195. Emphasis on performance, transcription of solos, original compositions, and advanced ear training in current jazz idioms.

**2295, 2296. Jazz Theory and Arranging (2,2)** P for 2295: MUSC 2166, 2186; or consent of instructor; P for 2296: MUSC 2295. Music theory for jazz. Analysis of various styles performed in twentieth century. Choral substitution and extended harmonies. Arranging in different styles for variety of instrumentations.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

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**2395. Rhythm Section Concepts (2)** P: Audition or consent of instructor. Performance practices used by traditional, contemporary, and augmented rhythm section.

**3231, 3232, 3233, 3234. Upper-Level Applied Jazz (1,2,3,4) (F,S,SS)** May be repeated for credit. P: MUSC 2166, 2186; or consent of instructor. Application of principles and techniques used in performance practices in various jazz styles. Style periods include Dixieland, Swing, Bebop, Cool, and Contemporary Eras and electronic jazz.

**4195. Jazz Seminar (3) (F,S,SS)** P: Passing score on jazz studies upper division exam; MUSC 1406, 2258, 2406, 2416. Analyze, research, and study of important innovators, musicians, educators, musical concepts, compositions, and developments of jazz eras from 1900 to present. Dixieland, Swing, Bebop, Cool, and Contemporary Eras.

## **MUSC: MUSIC EDUCATION**

**2123. Early Experiences for the Prospective Teacher (1) (S)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. May not count toward a major or minor for the BA degree. P: Completion of 8 s.h. in theory composition, and musicology or consent of music education chair. Introduction to teaching of music.

**3217. Beginning Instruction in Instrumental Music (2) (F)** P: Completion of lower-level competencies in music education; acceptance into music education degree program; MUSC 2123. Criteria for selection and utilization of music and materials suitable for elementary school children. Role of beginning instrumental music in schools and its relationship to total school program.

**3227. Rehearsal Techniques in Secondary Instrumental Music Education (2) (S)** P: MUSC 3217. Teaching techniques applicable to large-group instrumental rehearsals, study of suitable materials, orientation to philosophy and its application in teaching sessions, and self-evaluation.

**3237. Beginning Instruction in Vocal-General Music Education (2) (F)** P: Completion of lower-level competencies in music education; acceptance into music education degree program; MUSC 2123. Identification of elements of music and their components. Planning and evaluation of teaching experiences in general music classroom and consideration of voice classification and vocal technique in elementary school. Role of choral program in schools and its relationship to total school program.

**3247. Rehearsal Techniques in Secondary Vocal-Choral Music Education (2) (S)** P: MUSC 3237. Teaching techniques applicable to large-group choral rehearsals, study of junior- and senior-high choral literature, orientation to philosophy and its application to choral rehearsal, and self-evaluation.

**3277. Marching Band Practices and Techniques (2)** P: 2 years of experience in the university marching band or consent of instructor. Training of marching band. Emphasis on efficient use of rehearsal time and various styles of presentations.

**3287. Choral Laboratory (1)** Primarily for music education majors and conducting students. 2 1-hour sessions per week. May be repeated for credit. P: Completion of or enrollment in MUSC 3156 or 3217 or 3237 or consent of instructor. Application of rehearsal skills, choral sight reading, and musicianship development.

**3697. Introduction to String Teaching (2) Same as MUSC 3697 (Pedagogy)** P: MUSC 2115; 2305 or 2315. Principles of string teaching and their application to individual and group settings. Emphasis on elementary and secondary schools. Critical examination and evaluation of string instruction materials.

**4323. Materials and Methods of Instrumental Music Teaching (2) (F)** P: MUSC 3227. Instrumental pedagogy with additional concentration on developing course objectives, evaluative procedures, rehearsal techniques, administrative procedures, and discipline as related to secondary school instrumental program.

**4324. Internship in Music Education (10) (S)** Full-time, semester-long internship. P: Admission to upper division; MUSC 4323 or 4333; C: MUSC 4325. Internship in assigned school under direction of master teacher and university supervisor.

**4325. Internship Seminar: Issues in Music Education (0) (S)** P: Admission to upper division; C: MUSC 4324. Individualized study of problems or issues pertinent to music education during music internship experience.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**4333. Materials and Methods of Vocal-General Music Teaching (2) (F)** P: MUSC 3247. Techniques of organization, administration, motivation, discipline, and innovative techniques associated with choral-vocal programs in secondary schools.

**5937. Teaching Music in the Elementary School (3)** May not count toward general education fine arts requirement. Materials, techniques, and all phases of elementary school music program.

**5947. Choral Problems and Techniques (2)** Seminar in problems pertaining to rehearsal and performance of choral music.

**5957. Instrumental Problems and Techniques (3)** Seminar in problems pertaining to elementary, middle school, and secondary school instrumental music programs.

**5977. General Music in the Secondary Schools (3)** May not count toward general education fine arts requirement. Contemporary concepts in teaching at middle, junior, and senior high school levels. Examination of literature and materials.

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### MUSC: MUSIC HISTORY AND LITERATURE

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**1406, 2406, 2416. Music History and Literature (2,2,2) (WI)** P for 2406: MUSC 1406; P for 2416: MUSC 2406 or consent of dept chair. Early Greek music to present day. Divided according to stylistic eras. Correlated listening and readings.

**3055. History of the American Musical Theatre (3) Same as THEA 3055** P: MUSC 2166 or consent of instructor. Styles and periods.

**5406. Music of the Baroque Era (2)** 1600-1750. All types of music from Monteverdi and Schutz to Bach and Handel in relation to philosophical background of times and the arts.

**5416. Music of Rococo and Classic Periods (2)** 1720-1800. Development of homophony, "style gallant," developments in symphony, sonata, concerto, and opera in relation to social, economic, and political conditions of times. Haydn, Mozart, and Beethoven.

**5426. Music of the Romantic Era (2) (WI)** 1800-1900. All types of music against backdrop of literary revolt and development of humanitarian philosophy. From Schubert to end of century.

**5436. Twentieth-Century Music (2) (WI)** 1900 to present. All types of music keyed to developments in culture and related arts. Trends and "isms" from Debussy to present.

**5456. Introduction to Ethnomusicology (2)** P: MUSC or ANTH major with consent of instructor. Theories, methods, techniques, and fundamental concepts used in study of non-Western and primitive music.

**5466. Folk and Indigenous Music of Europe and the Americas (2)** P: Area minors and ANTH majors with consent of instructor; undergraduate MUSC course. Ethnic music of the West surveyed with particular attention to society, culture, and tradition.

**5476. African Music (2)** P: Open to area minors and ANTH majors with consent of instructor. Sub-Saharan African music surveyed in the context of African society and culture.

**5506. Early Music in the West: to 1600 (3)** P: MUSC 1406, 2406, 2416; or equivalent. Genres, sources, theoretical literature, and cultural contexts of western art music from Late Antiquity through end of Renaissance. Proseminar format.

**5516. Ibero-American Musics of the Twentieth Century (3)** P: MUSC 2166 or consent of instructor. Comprehensive overview from ethnomusicological perspective. Vernacular musics of Spanish- and Portuguese-speaking cultures and their influence on art-music composers of twentieth century.

**5616. Historical Development of Solo Vocal Literature (3) (WI)** P: Senior/graduate standing; undergraduate survey of music history. History with concentration on literature of major composers.

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**5667, 5677. Organ History, Literature, and Design (2,2) Same as MUSC 5667, 5677 (Sacred Music)** Recommended to be taken in sequence. Historical survey of organ literature from earliest manuscripts through music of J. S. Bach in first term. From J. S. Bach to present in second term. Basic principles of organ construction and style. Emphasis on relationship between organ and its repertoire throughout centuries.

**5737. Piano Literature and Advanced Pedagogy (3)** Recommended that MUSC 5737, 5747 be taken in sequence. Literature for piano in relation to contemporary pedagogical use. Intermediate through advanced-level literature from Renaissance through Beethoven and Schubert.

**5747. Piano Literature and Advanced Pedagogy (3)** Recommended that MUSC 5737, 5747 be taken in sequence. Literature for piano in relation to contemporary pedagogical use. Intermediate through advanced-level literature from Chopin and Schumann to present.

**5757. Lute and Guitar Literature (3)** Comprehensive survey of solo literature for lute and guitar from Renaissance to twentieth century.

**5796. Opera History (3) (WI)** History of lyric theatre from late sixteenth century to present. Emphasis on examples from outstanding operas of various periods in music history.

**5887, 5897. Survey of Performance Practice (2,2)** Original and secondary sources on performance practices from Renaissance to present. Development of instruments and comparison of notated music with actual performance practices.

**5906, 5916. Choral Literature (2,2)** Historical and stylistic survey and critical evaluation of choral literature for use with school, community, and sacred choirs.

**5926. Wind Instrument Literature (3)** Chamber music, band, wind, and percussion literature for all phases of instrumental instruction.

## **MUSC: MUSIC TECHNOLOGY**

**2280. Introduction to Music Technology (2) (F)** P: MUSC major or consent of instructor. Basic concepts in acoustics, psychoacoustics, and electroacoustics and their application to computer music programs and keyboard synthesizers.

**3300. Creating Media Software for Music Instruction (2) (S)** Computer-authoring programs for instruction and development of original multimedia applications.

## **MUSC: MUSIC THERAPY**

**2277. Orientation to Therapy (1)** For students who plan to major in music therapy. 1 classroom and/or lab hour per week. Overview of music in therapy.

**2287. Orientation to Therapy Practicum (1)** 1 classroom and/or lab hour per week. Orientation to music in therapy through observation and participation in music therapy programs in variety of treatment settings.

**3257. Music Therapy I: Introduction to Music in Therapy (3) C:** MUSC 3357. Current trends and historical bases for use of music in therapy.

**3267. Music Therapy II: The Influence of Music on Behavior (3) P:** MUSC 3257; C: 3367. Theoretical bases and experimental evidence of influence of music on human behavior and development of clinical procedures.

**3297. Orientation to Therapy (1)** Supervised field experience. P: Music therapy major; completion of sophomore year in music or consent of instructor. Orientation to use of music therapy in various rehabilitation and therapeutic centers.

**3357. Music Therapy Practicum (1)** Supervised practicum for music therapy majors. 1 classroom and/or lab hour per week. C: MUSC 3257. Application of music therapy procedures and techniques in approved treatment setting.

## SECTION 8: COURSES

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**3367. Music Therapy Practicum II (1)** Supervised practicum for music therapy majors. 1 classroom and/or lab hour per week. C: MUSC 3267. Application of music therapy procedures and techniques in approved treatment setting.

**4277. Music for Group Activities (2) Same as MUSC 4277 (Non-music Majors)** Open to recreation and leisure studies and allied health majors. C: MUSC 4287. Organization and development of social and recreational music activities. Emphasis on therapeutic function.

**4287. Music for Group Activities Practicum (1)** C: MUSC 4277. Supervised experience in group music activities at hospitals, special schools, sheltered workshops, or community health centers.

**5257, 5267. Psychological Foundations of Music (3,3)** Nature and extent of scientific investigations into acoustics of music, human responses to music, learning theory, and basic research in music.

**5287. Psychological Foundations of Music Practicum (1)** Lab provides opportunity to develop and carry out research in clinical setting.

**5297. Music Therapy Practicum III (1)** Supervised practicum for music therapy majors. Application of music therapy procedures and techniques with individual clients.

**5997. Clinical Internship (1)** Supervised internship. P: Music therapy major; completion of academic requirements for the degree. Placement in approved music therapy clinical training program with registered music therapist as director.

### MUSC: PEDAGOGY

**1627. Italian Lyric Diction for Singers (2) (F)** Basic understanding of standard lyric literature. Grammatical and phonetic analysis.

**1637. French Lyric Diction for Singers (2) (S02)** Standard French lyric literature. Grammatical and phonetic analysis.

**1647. German Lyric Diction for Singers (2) (S03)** Standard German lyric literature. Grammatical and phonetic analysis.

**2125, 2135. Basic Keyboard Skills (1,1) (2125: F02; 2135: S03) Same as MUSC 2125, 2135 (Applied Music, Group)** 2 sessions per week. Instruction in classes of 4 or more students. No fee. May count toward minor applied music requirement. P for 2135: MUSC 2125. Functional use of piano for music majors and minors whose primary performance medium is keyboard instrument.

**3637. Voice Pedagogy (3) (F-OY)** Materials and techniques for teaching voice students at all levels of advancement.

**3697. Introduction to String Teaching (3) Same as MUSC 3697 (Music Education)** P: MUSC 2115; 2305 or 2315. Principles of string teaching and their application to individual and group settings. Emphasis on elementary and secondary schools. Critical examination and evaluation of string instruction materials.

**3707. Foundations and Principles of Piano Pedagogy (2) (F02)** Conceptual approach to teaching of piano. Emphasis on development of methodology and standards in piano teaching.

**3717. Elementary Piano Pedagogy (2) (S03)** Piano literature and instruction. Emphasis on development of practical teaching strategies.

**4644, 4647. Suzuki Pedagogy I, II (3,3)** C for 4644: MUSC 4646; P for 4647: MUSC 4644, 4646; C for 4647: MUSC 4648. Philosophy and principles of Suzuki approach to teaching and playing violin. Course scope limited to material presented in volumes I and II (for 4644) and volumes III and IV (for 4647) of Suzuki Violin School.

**4646, 4648. Suzuki Observation I, II (1,1)** C for 4646: MUSC 4644; P for 4648: MUSC 4644, 4646; C for 4648: MUSC 4647. Two-semester sequence. Field observation of Suzuki approach to teaching and playing violin.

**4649, 4650. Suzuki Observation III, IV (1,1)** 2-semester sequence. P for 4649: MUSC 4648; C for 4649: MUSC 4654; P for 4650: MUSC 4649; C for 4650: MUSC 4656. Field observation of Suzuki approach to teaching and playing violin.

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**4654, 4656. Suzuki Pedagogy III, IV (3,3) (F,S)** P for 4654: MUSC 4647, 4648; C for 4656: MUSC 4654. Philosophy and principles of Suzuki approach to teaching and playing violin as presented in volumes V through VIII of Suzuki Violin School.

**4657. Directed Study in Instrumental Pedagogy for Brass, Percussion, Strings, or Woodwinds (3)** Required of all brass, percussion, string, and woodwind performance majors. Conferences scheduled as needed with minimum of 1 hour per week. P: Acceptance in performance degree program; consent of instructor. Teaching materials and techniques for all levels of instruction in student's area of specialization.

**5647. Orchestral and String Pedagogy (3)** P: MUSC 3697 or consent of instructor. Methodology and materials for studio teaching. Orchestral organization, rehearsal, and repertoire, and their practical application. Minor repair.

**5657. Organ Pedagogy (2)** P: Completion of 4 semesters of applied organ. Technical, artistic, and philosophical aspects of teaching organ at all levels of development. Survey of organ methods, appropriate graded repertoire in wide range of styles, and practice teaching.

**5707. Seminar: Topics and Problems of Piano Pedagogy (2)** C: MUSC 5727. Emphasis on teaching the intermediate level pre-college student, including psychology of adolescent student, piano technique, keyboard skills, and working with transfer students.

**5717. Advanced Piano Performance Problems (2)** C: MUSC 5727. Preschool music, the adult beginner, teaching in group settings, and nonmajor and secondary college piano.

**5727. Piano Pedagogy: Observation and Student Teaching (2)** 4 hours per week. May be repeated for credit. C: MUSC 5707 fall semester; MUSC 5717 spring semester. Supervised teaching and observation in the piano pedagogy program and/or through internship in an independent piano teaching studio.

**5967. Choral Practicum (2) Same as MUSC 5967 (Sacred Music)** P: MUSC 5706, 5716; or consent of instructor. Student derives solutions to specific problems encountered in preparing chorus for performance.

## **MUSC: PERFORMANCE GROUPS, LARGE**

**1615. Varsity Choir (1) (GE:FA)** May be repeated for credit.

**1625. Concert Choir (1) (GE:FA)** May be repeated for credit. Open to all students by audition only.

**1635. University Chorale (1) (GE:FA)** May be repeated for credit. Open to all students.

**1645. Men's Glee Club (1) (GE:FA)** May be repeated for credit. Audition required.

**1665. Women's Glee Club (1) (GE:FA)** May be repeated for credit. Audition required.

**1675. Chamber Singers (1) (GE:FA)** May be repeated for credit. Open to all students by audition only.

**1705. Marching Band (1) (GE:FA)** May be repeated for credit. Open to all students.

**1715. Concert Band (1) (GE:FA)** May be repeated for credit. Open to all students.

**1735. Wind Ensemble (1) (GE:FA)** May be repeated for credit. Open to all students by audition only.

**1745. Symphony Orchestra (1) (GE:FA)** May be repeated for credit. Open to all students by audition only C: MUSC 1755.

**1755. Symphony Orchestra Laboratory (0)** May be repeated. C: MUSC 1745. Must be taken concurrently with symphony orchestra.

**1765. Symphonic Band (1)** May be repeated for credit. Open to all students.

**1775. Jazz Ensemble (1) (GE:FA)** May be repeated for credit. Open to all students by audition or consent of instructor.



## SECTION 8: COURSES

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### MUSC: PERFORMANCE GROUPS, SMALL

**1605. Opera Theatre (1) (GE:FA)** May be repeated for credit. 2 rehearsals per week.

**1805. String Chamber Music (1)** 2 rehearsals per week. May be repeated for credit.

**1815. Woodwind Chamber Music (1)** 2 rehearsals per week. May be repeated for credit.

**1825. Percussion Chamber Music (1)** 2 rehearsals per week. May be repeated for credit.

**1835. Saxophone Chamber Music (1)** 2 rehearsals per week. May be repeated for credit.

**1845. Collegium Musicum (1)** 2 rehearsals per week. May be repeated for credit.

**1855. Jazz Chamber Music (1)** 2 rehearsals per week. May be repeated for credit.

**1865. Brass Chamber Music (1)** 2 rehearsals per week. May be repeated for credit.

**1875. Keyboard Chamber Music (1)** 2 rehearsals per week. May be repeated for credit.

**1885. Contemporary Chamber Music (1)** 2 rehearsals per week. May be repeated for credit.

**1895. Vocal Chamber Music (1)** 2 rehearsals per week. May be repeated for credit.

**2455, 2465, 3455, 3465, 4455. Accompanying (1 each) (2455, 3455:F; 2465, 3465: S) Same as MUSC 2455, 2465, 3455, 3465, 4455 (Applied Music, Group)** 1 hour per week and supervised accompanying of singers and instrumentalists. Instruction in classes of 4 or more students. Applied music fee is \$31 per semester hour credit. May count toward minor applied music requirement. May be repeated for credit. P for 2465, 3455, 3465, 4455: MUSC 2455. Skills, sight reading, transposition, and style required of accompanists.

### MUSC: SACRED MUSIC

**2476, 4476. Introduction to Service Playing I, II (1,1) (S)** 1 lecture and 1 studio hour per week. P: 1 semester of applied organ or consent of instructor. Basic techniques and materials of service playing. Includes hymn playing, registration, and accompanying.

**4417, 4437. Service Playing (2,2) Formerly MUSC 5517, 5527** Must be taken in sequence. P: MUSC 2476 or consent of instructor. Techniques and repertoire related to many facets of service playing, hymn playing, improvisation, accompanying, console conducting, and liturgical planning.

**4525. History of Sacred Music and Worship (3)** Liturgical ritual and worship practices. Special emphasis on music and hymnody related to these practices from pre-Christian roots to modern day.

**4526, 4527. Philosophy and Practice of Sacred Music I, II (2,2)** Must be taken in sequence. Explores philosophical and theological dimensions of music in worship; administration of a sacred music program; direction of handbell choirs; composition and arranging for the service; choral techniques and repertoire for childrens and youth choirs; and multi-cultural and non-traditional contemporary trends in sacred music.

**4528. Sacred Music Internship (1) (F,S)** 1 semester internship. P for organ majors: MUSC 2476; for vocal majors: MUSC 3156, 3166. Develop various skills under direct supervision of church supervisor and university adviser.

**5667, 5677. Organ History, Literature, and Design (2,2) Same as MUSC 5667, 5677 (Music History and Literature)** Recommended to be taken in sequence. Historical survey of organ literature from earliest manuscripts through music of J. S. Bach in first term. From J. S. Bach to present in second term. Basic principles of organ construction and style. Emphasis on relationship between organ and its repertoire throughout centuries.

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(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P/C, or P/C

**5967. Choral Practicum (3) Same as MUSC 5967 (Pedagogy)** P: MUSC 5706, 5716; or consent of instructor. Student derives solutions to specific problems encountered in preparing chorus for performance.

### **MUSC: THEORY COMPOSITION**

**1156, 1166. Basic Musicianship (4,4) (F,S,SS)** P for 1166: MUSC 1156. Basic concepts of scales, melody, rhythm, form, and notation. Emphasis on functional harmony and analysis.

**1176, 1186. Basic Musicianship Laboratory (1,1) (F,S,SS)** 2 1-hour sessions per week. P for 1186: MUSC 1176. Aural comprehension, sight singing, performance, and conducting skills.

**1326, 1336. Composition (1,1)** Beginning study.

**2156, 2166. Basic Musicianship (3,3)** P for 2156: MUSC 1166; P for 2166: MUSC 2156. Selected Baroque and nineteenth- and twentieth-century styles and genres. Emphasis on analysis, chromatic functional harmony, and twentieth-century compositional techniques.

**2176, 2186. Basic Musicianship Laboratory (1,1)** 2 1-hour sessions per week. P for 2176: MUSC 1186; for 2186: MUSC 2176. Continued development of skills in aural comprehension, sight singing, performance, and conducting.

**2326, 2336. Composition (2,2)** Weekly seminar plus conference. P: MUSC 1336 or consent of instructor. Intermediate study.

**3176. Orchestration (2)** P: MUSC 2166. Scoring for strings, woodwinds, brass, and percussion as individual sections and combinations. Principles of transposition and idiomatic writing for various instruments.

**3326, 3336. Composition (2,2)** Weekly seminar plus conference. P: MUSC 2336 or consent of instructor. Advanced study.

**3366, 3386. Electronic Music Composition (2,2)** P: MUSC 2326 or consent of instructor. Beginning and intermediate composition in electronic idiom. Classical studio technique (3366). Electronic music synthesis on Moog Series III Synthesizer (3386).

**4326, 4336. Composition (3,3)** Weekly seminar and conference. P: MUSC 3336 or consent of instructor. Advanced study.

**4327. Counterpoint (3) (F) Formerly MUSC 5316** Counterpoint from sixteenth to twentieth century. Emphasis on eighteenth-century genres, through listening, analysis, and written assignments.

**4328. Twentieth-Century Harmony (3) (S-EY) Formerly MUSC 5326** Materials and techniques used by composers since beginning of twentieth century. Stylistic writing and analysis of works by selected composers of century.

**4366, 4376. Advanced Composition in Electronic Media (3,3)** P: MUSC 3386 or consent of instructor. Emphasis on larger, extended forms, tape and instrumental combination, real-time performance, and intermedia.

**4506. Directed Study in Music Theory (2) (F,S,SS)** Required of all undergraduate theory-composition majors who specialize in theory. Conferences scheduled as needed with minimum of 1 hour meeting per week. May be repeated for maximum of 4 s.h. P: MUSC 2166.

**4536. Introduction to Schenkerian Analysis (3) (S-OY)** P: MUSC 2166 or consent of instructor. Tonal music using graphic analytical techniques of Heinrich Schenker. Includes contemporary extensions of Schenker approach.

**5336. Advanced Orchestration (2)** Scoring for orchestra and symphonic band. Techniques from Classic period through contemporary idioms.

**5346. Modern Instrumental Arranging (2)** P: MUSC 3176 or consent of instructor. Development of arranging skills and techniques as applied to instrumental music (e.g., stage band, marching band, symphonic band, and orchestra).

**5366. Special Studies in Music Theory (3)** May be repeated for credit with consent of dept chair. P: MUSC 2166 or graduate standing in MUSC or consent of instructor. Subject matter determined by needs and interests.

## SECTION 8: COURSES

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### **MUSC: COURSES FOR NON-MUSIC MAJORS**

**1008. Music Theory for Non-music Majors (3) (GE:FA)** Not open to MUSC majors. P: Ability to read music or consent of instructor. Various elements of music theory. Notation, intervals, scales, rhythm, harmony, and form.

**1018, 1028. Music Reading and Fundamentals for Non-music Majors (2,2) (GE:FA)** Not open to MUSC majors. P for 1028: MUSC 1018. Music reading skills and fundamentals. Applied music group fee is \$31 per semester hour credit.

**1108, 1118. Non-music Major Group Voice (1,1) (GE:FA)** 2 classroom hours per week. P for 1118: MUSC 1108. Fundamentals of voice production and beginning vocal literature.

**1208, 1218. Non-music Major Group Piano (1,1) (GE:FA)** 2 classroom hours per week. P for 1218: MUSC 1208 or consent of instructor. Development of basic playing ability. Note reading, rhythm, technique, and repertoire. Applied music group fee is \$31 per semester hour credit.

**1308, 1318. Non-music Major Group Guitar (1,1) (GE:FA)** 2 classroom hours per week. P for 1318: MUSC 1308 or consent of instructor. Fundamentals of technique and notation on guitar. Emphasis on basic right-hand techniques and their application to solo performance. Applied music group fee is \$31 per semester hour credit.

**2208. Music Appreciation (2) (F,S,SS) (GE:FA)** Not open to MUSC majors. Basic materials of music and their utilization in understanding and enjoyment of music of different styles and periods. Lectures and live performances. Emphasis on aural awareness development.

**2218. Orchestral Music (2) (GE:FA)** Not open to MUSC majors. Mainstream of development of orchestral music from 1600 to present. Reference to historical background and other arts. Emphasis on analytical listening.

**2228. Music of the Theatre (2) (GE:FA)** May count toward MUSC major electives. RP: MUSC 2208. Types and styles of music encountered in theatrical performances. Emphasis on opera, operetta, Broadway musical comedy, and ballet.

**2248. Music of the World's Peoples (2) (F,S,SS) (GE:FA)** May count toward MUSC major electives. Broader comprehension and appreciation of non-Western music. Increased awareness of music and musical thought of other cultures. Basic survey of music of non-Western cultures from Asia, Africa, the Near East, the Pacific, and South America.

**2258. History of Jazz Music (2) (F,S,SS) (GE:FA)** May count toward MUSC major electives. Jazz from its origin to present.

**2268. Music of Latin America (2) (GE:FA)** Not open to MUSC majors. Popular and classical music of Latin America. Effect of Latin-American historical events on its music, basic musical concepts, and vocabulary. Emphasis on aural awareness.

**3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (F,S,SS) (GE:FA)** Skills and understanding necessary for teaching music.

**3028. Music Education in Elementary Grades (2) (F,S,SS)** May count toward education requirement for elementary teachers. P: MUSC 3018. Methods and materials applicable to grades 1, 2, and 3.

**3048. Music for Exceptional Children (2) (F,S,SS)** May count toward MUSC major electives. Emphasis on materials, procedures, and activities.

**3058. Music for the Preschool Child (2)** May count toward MUSC major electives. P: MUSC 3018 or consent of instructor. Materials and methods for teaching music to children from birth to 6 years of age.

**4277. Music for Group Activities (2) (F) Same as MUSC 4277 (Music Therapy)** Open to recreation and leisure studies and allied health majors. C: MUSC 4287. Organization and development of social and recreational music activities. Emphasis on therapeutic function.

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## MUSC Banked Courses

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|--|--|
| 1655. Women's Chorus (1)                         | 4465. Accompanying (1)                             |
| 2008. Theatre Score Analysis (3)                 | 4909. Selected Topics in Music Business (2)        |
| 2238. Contemporary Music (2)                     | 4993. Cooperative Internship in Music Business (3) |
| 2445. Intermediate Percussion Group (1)          | 4996. Cooperative Internship in Music Business (6) |
| 2909. Introduction to Music Business (3)         | 5446. American Music (2)                           |
| 3038. Music Education in Intermediate Grades (2) | 5496. Electronic Music (2)                         |
| 3205. Voice Fundamentals (1)                     | 5537. Music for Children and Youth (2)             |
| 3647. Voice Pedagogy (2)                         | 5547. Hymnology (2)                                |
| 3909. Seminar in Music Industry (1)              | 5567. History of Liturgies (2)                     |
| 4306. Advanced Theory (2)                        | 5587. Introduction to Handbells (1)                |

## NCST: NORTH CAROLINA STUDIES

**2000. Introduction to North Carolina Studies (3) (F,S)** NC studies via anthropology, biology of coastal plains, geography, history, literature, politics, and society.

**4000. Windows on North Carolina's Past (3) (S)** P: NCST 2000; 6 s.h. in NCST; or consent of director. Interdisciplinary research seminar focusing on selected events, localities, and/or groups from NC's past.

**4010. Contemporary Issues and Problems in North Carolina (3) (F)** P: NCST 2000; 6 s.h. in NCST; or consent of director. Interdisciplinary research seminar focusing on selected contemporary issues in NC.

## NEUR: NEUROSCIENCE

**3310. Introduction to Neuroscience (3) (F,S,SS) (GE:SO)** Same as PSYC 3310 Relationship of neuroanatomy and neurophysiology to behavior.

**4200. Literature in Neurosciences (1) (F)** 1 lecture hour per week. May not count toward general education science requirement. P: Consent of instructor. Each week one or two original research articles analyzed for impact on understanding of neuron, glial, and brain function at cellular, molecular, and integrative levels. Literature tailored to student and faculty interests.

**4201. Laboratory Methods in Cellular and Molecular Neuroscience (2) (S)** 6 lab hours per week. May not count toward general education science requirement. Basic lab methods for research in cellular and molecular neuroscience. Principles of measurement of electrical properties of excitable cells, current voltage and patch clamp, electronic instrumentation, biochemical and radiological methodology, molecular radio and fluorescence labeling, microscopy, and cell and tissue culturing.

**4900. Cellular and Molecular Neuroscience (3) (F) Formerly NEUR 5000** P: Senior standing and consent of instructor. Introduction to the cellular mechanisms and molecular basis of neuron and glial function and interaction. Topics include membrane trafficking, action potentials, receptors, and signal transduction, gene transcription factors, neuroimmunology, and developmental neuroscience.

**4901. Behavioral and Integrative Neuroscience (3) (S) Formerly NEUR 5001** P: Senior standing and consent of instructor. Introduces neural systems and neural basis of behavior. Topics include basic neuroanatomy; computational neuroscience, learning and memory; sensory and motor systems, neural basis of affective behavior, consciousness and cognitive neuroscience, neural plasticity, and brain lateralization and language.

## NUHM: NUTRITION AND HOSPITALITY MANAGEMENT

**1000. Contemporary Nutrition (3) (F,S,SS)** Basic nutrition knowledge necessary to evaluate nutrition issues and make sound lifestyle decisions.

**1010. Cultural Foods (3) (F,S,SS)** Economic, environmental, and cultural aspects of food.

## SECTION 8: COURSES

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### **1350. Introduction to Food Service and Lodging Management (3) (WI) (F,S,SS) Formerly NUHM 2350**

Exploration and analysis of management functions, methods, and concepts in food service and lodging operations.

### **2105. Nutrition (3) (F,S,SS)** Elementary principles of nutrition and their practical application.

### **2110. Principles of Food Preparation (2) (S,SS) C:** NUHM 2111. Scientific principles involved in food preparation.

### **2111. Principles of Food Preparation Laboratory (1) (S,SS) C:** NUHM 2110. Applied foods methods and principles in preparation and evaluation of standard food products.

### **2591. Field Experience in Hospitality Management I (3) (F,S,SS) P:** Sophomore standing; hospitality management major or minor; NUHM 1350, 2110. Supervised, on-site experience in lodging housekeeping and maintenance and restaurant food production operations.

### **2991. Field Experience in Hospitality Management II (3) (F,S,SS) P:** Sophomore standing; hospitality management major or minor; NUHM 1350, 2110. Supervised, on-site experience in lodging front office and reservations operations and restaurant food service operations.

### **2999. Current Issues in Nutrition and Dietetics (1) (F,S)** May be repeated for a maximum of 12 s.h. with a change of topic. P: NUHM 1000 or 2105. Special topics in selected area of nutrition and dietetics. Variable topics and content permitted.

### **3100. Lodging Systems Management I (3) (F,S) P:** NUHM 1350. System analysis, design, and application for hotel functions. Guest services, reservations, reception, telecommunications, guest-city ledger, and night audit.

### **3104. Advanced Vitamins and Minerals (2) (F,S) P:** BIOL 1050, 2130, 2131; CHEM 2650, 2651; or equivalent; NUHM 2105; P/C: NUHM 3105. Functions and processes related to micronutrients.

### **3105. Nutritional Biochemistry and Metabolism (3) (WI) (F,S) P:** BIOL 1050, 2130, 2131; CHEM 2650; or equivalent; NUHM 2105; a statistics course; P/C: NUHM 3104; C: NUHM 3106. Macro-nutrient processes at cellular level.

### **3106. Nutritional Biochemistry and Metabolism Laboratory (1) (WI) C:** NUHM 3105. Lab to accompany NUHM 3105.

### **3110. Introduction to Quantity Food Management (3) (F,S) P:** NUHM 1000 or 2105; 1010, 2110. Planning and organizing for service operation management.

### **3200. Dimensions of Tourism (3) (F) P:** NUHM 1350. Survey of travel and tourism industry. Emphasis on concepts, terminology, demographics, trends, and financial and economic implications of tourism dynamics.

### **3303. Experimental Food Study (2) (F) Formerly NUHM 4303 P:** NUHM 2110; C: NUHM 3304. Emphasis on composition, physical and chemical changes, quality and consumer acceptability.

### **3304. Experimental Food Study Laboratory (1) (F) Formerly NUHM 4304** 3 lab hours per week. C: NUHM 3303. Applied experimentation. Sensory, objective, and statistical evaluation of effects of altering food ingredients or properties and characteristics of food products.

### **3311. Life Cycle Nutrition (4) (F,S) Formerly NUHM 4311 P/C:** NUHM 3104. Scientific principles of human nutrition in various stages in life cycle. Emphasis on nutrition assessment, planning, intervention, and evaluation.

### **3350. Dietetics Administration (3) (S) P:** NUHM 1350. Application of marketing concepts, cost/benefit studies, and financial analysis to dietetic practice. Review of legislation affecting dietetic practice and computer applications for dietetic practice.

### **3393. Purchasing for Food Service Operations (3) P:** NUHM 1350. Purchasing systems for food service operations. Characteristics of products and controls.

### **3600. Lodging Systems Management II (3) (F,S) P:** ACCT 2401; NUHM 3100. Systems analysis, design, and application for hotel accounting systems, security, and housekeeping management.

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**3990, 3991. Field Experience in Hospitality Management III (6,6) (F,S,SS) Formerly NUHM 4990, 4991** P: Minimum cumulative 2.0 GPA; NUHM 2991, 3110, 3600; consent of instructor. Supervised on-site experience designed to develop management skills in lodging and food service operations.

**3995, 3996, 3997. Field Experience in Nutrition and Dietetics (1,1,1) (F,S,SS)** P: Nutrition and dietetics major; cumulative 2.0 GPA, 2.5 GPA in NUHM courses; NUHM 2105. Supervised professional work experience in nutrition and dietetics.

**4110. Quantity Food Production and Service Management (3) (F,S,SS)** P: NUHM 3110, 3350; or 3991; C: NUHM 4111. Management of quantity food production. Includes work simplification, sanitation, merchandising, food cost control, and equipment operation.

**4111. Quantity Food Production Laboratory (2) (F,S,SS)** 6 lab hours per week. C: NUHM 4110. Restaurant operation and meal service practice.

**4200. Travel and Tourism Management (3) (S)** P: NUHM 3200. Explores domestic and international tourism, including social science, economic, cultural, and environmental components of effects of tourism.

**4208. Food and Beverage Management (2) (S,SS)** P: NUHM 4110; C: NUHM 4209. Application of principles of management to food service and beverage operations.

**4209. Food and Beverage Management Laboratory (1) (S,SS)** 3 lab hours per week. P: NUHM 4110; C: NUHM 4208. Management principles of food service and beverage operations. Site visits, interviews, and tours in food service facilities for critical analysis of industry practices and problems.

**4244. Hospitality Law (3) (F,S)** P: FINA 2244; NUHM 3991. Legal aspects of hospitality guest-host relationship as related to personal and property liability.

**4308. Purchasing and Cost Controls for Food Service Operations (3) (F,S,SS)** P: NUHM 3350 or 3991. Techniques for analyzing and controlling products and costs. Emphasis on purchasing systems for foodservice operations.

**4312. Medical Nutrition Therapy I (4) (F,S)** P: HIMA 3000; NUHM 3105, 3311. Biochemical and physiological anomalies of disease and application of medical nutrition therapy.

**4313. Medical Nutrition Therapy II (4) (F,S)** P: NUHM 4312; C: NUHM 4500, 4501, 4600. Continuation of NUHM 4312. 4440. Food Service and Lodging Marketing (3) (F,S) P: MKTG 3832; NUHM 3991. Application of marketing principles to food service and lodging products and services.

**4450. Hospitality and Dietetics Resource Management (3) (WI) (S,SS)** P: NUHM 3350 or 3991. Integration and applications of human resource management and ethical principles through case studies of food service, beverage, and lodging operations.

**4500. Community Nutrition Education (3) (S,SS)** P: NUHM 3311; C: NUHM 4313, 4501. Nutrition program development and delivery in community setting. Includes nutrition surveillance, screening, assessment, education, counseling, documentation, and referral.

**4501. Community Nutrition Education Laboratory (1) (S,SS)** 3 lab hours per week. C: NUHM 4313, 4500. Nutrition education, interviewing, and counseling skills development.

**4600. Dietetics Exit Seminar (2) (WI) (S,SS)** P/C: NUHM 4110, 4111, 4312, 4313. Application of continuous quality improvement to dietetic service. Identification of trends and issues in dietetics. Completion of exit exam for didactic program in dietetics.

**4800. Orientation to Professional Dietetic Practice (1) (F)** P: Admission to dietetic internship. Application of dietetic knowledge to entry-level practice. Emphasis on performance responsibilities of dietitians, quality assurance procedures, and professional ethics.

## SECTION 8: COURSES

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**4801, 4802, 4803, 4804. Supervised Dietetic Practice (3 each) (F,S)** May be repeated for maximum of 12 s.h. over 2-year period. 20 hours practice per week or 250 hours per semester. P: Admission to dietetic internship. Development and integration of knowledge and skills in practice.

**5001. Nutrition and Exercise (3) Same as EXSS 5001** P: EXSS 3805; NUHM 2105; or consent of instructor. Relationship of sport and physical activity to basic nutrition principles.

**5300. Nutrition for Wellness (3)** P: 1 course in clinical nutrition and 1 in nutrition education. Planning, implementing, and evaluating nutrition services and education in wellness programs.

### NUHM Banked Courses

**5050. Nutrition and the Workplace (1)**

**5351. Food Service Production Systems (2)**

**5211, 5212. Advanced Clinical Nutrition (1,2)**

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## NURS: NURSING

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**3020, 3021. Health Assessment (3,0) (F,S)** 2 lecture and 2 lab hours per week. P: Admission to NURS major. Theoretical foundations and lab experiences necessary for performing holistic health assessment.

**3040. Pharmacotherapeutics for Nursing (2) (F,S)** P: Admission to NURS major. Relationship of drugs and their physiological effects. Nursing role in pharmacotherapeutics with consideration to legal, ethical, economic, and technological factors.

**3081, 3082, 3083. Topics in Nursing (1,2,3)** 1 classroom hour for 1 s.h.; 2 lab hours for 1 s.h.; 3 clinical hours for 1 s.h. May be repeated for credit at discretion of instructor. Selected contemporary topics. Individualized or small group learning experiences provide indepth content in a nursing area.

**3200. Introduction to Professional Nursing (3) (F,S)** P: Admission to NURS major. Conceptual and philosophical foundations of professional nursing.

**3205. Health in the Older Adult (3) (S)** P: GERO 2400 or consent of instructor. Issues surrounding health of older adult.

**3210, 3211. Nurse as Care Provider (6) (F,S)** 3 lecture and 9 practicum hours per week C: NURS 3020, 3021, 3040, 3200, 3270, 3271. Holistic view of adult client in acute care settings. Theoretical foundations of wellness and illness and their relationship to nursing practice.

**3260. Legal Aspects of Health Care (2) (F)** P: Nursing major or consent of instructor. Legal system as related to practice of health care professionals, especially professional nurses.

**3270, 3271. Clinical Nursing Foundations I (2,0) (F,S)** 1 lecture and 2 lab hours per week. P/C: NURS 3020, 3021, 3040, 3200, 3210, 3211. Basic skills required for professional nursing practice.

**3330, 3331. Nursing Care of Families During the Childbearing Phase (5) (F,S)** 3 lecture and 6 practicum hours per week. P: All required NURS courses below 3330; C: NURS 3370, 3371, 3410. Theoretical foundations and clinical experiences in nursing care of families during childbearing phase.

**3340, 3341. Nursing Care of Children (5) (F,S)** 3 lecture and 6 practicum hours per week. P: All required NURS courses below 3330; C: NURS 3370, 3371, 3410. Theoretical foundations and clinical experiences in nursing care of children and their families.

**3370, 3371. Clinical Nursing Foundations II (2,0) (F,S)** 1 lecture and 2 lab hours per week. P: NURS 3270, 3271. Intermediate and advanced skills required for professional nursing practice.

**3410. Concepts of Pathophysiology for Nursing (3) (F,S)** P/C: All required NURS courses below 3510. Etiology, mechanism, and clinical presentation of alterations in physiology.

**3510. Nursing Research (3) (F,S,SS)** P: All required NURS courses below 3330; approved statistics course. Introduction to research process and its impact on nursing practice, education, and public policy.

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**3520. Trends and Issues in Professional Nursing (3) (WI) (F,S,SS)** P: All required NURS courses below 3330. Topics in global health care environment.

**3900. Concepts in Professional Nursing (4) (WI) (F,S)** Required for RN students. P: RN status; completion of required sciences, general education, and cognate courses; consent of RN-BSN director; P/C: NURS 3410; C: NURS 3901. Theoretical foundations of professional nursing practice, application of nursing process, and utilization of nursing research.

**3901. Practicum in Concepts in Professional Nursing (2)** 2 clinical/lab hours per week and clinical days as scheduled by instructor and student. P: RN status; completion of required sciences, general education, and cognate courses; consent of RN/BSN director; P/C: NURS 3410; C: NURS 3900. Application of theoretical foundations of professional nursing practice and process with clients in variety of practice settings. (Successful completion of NURS 3900, 3901 grants a RN student 32 s.h. of advanced placement.)

**4010, 4011. Nursing Care of Clients with Alterations in Mental Health (5) (F,S)** 3 lecture and 6 practicum hours per week. P: All required NURS courses below 4000. Theoretical foundations and clinical experiences specific to promotion of mental health. Maintenance of optimal functioning and maximization of quality of life for clients with alterations in mental health.

**4020, 4021. Nursing Care of Adults (5) (F,S)** 2 lecture and 9 practicum hours per week. P: All required NURS courses below 4000. Theoretical foundations and clinical experiences specific to nursing care of adults within a family experiencing complex alterations in health.

**4100. Health of the Older Adult (2) (F,S)** P: All required NURS courses below 4000. Conceptual and philosophical approaches to aging along wellness-illness continuum.

**4150. Nursing Leadership (3) (F,S)** P: All required NURS courses below 4000. Theoretical and organizational frameworks for understanding essential elements of nursing leadership.

**4210, 4211. Nursing Care of Populations and Communities (6) (F,S)** 3 lecture and 9 practicum hours per week. P: All required NURS courses below 4200. Theoretical foundations and clinical experiences specific to nursing care of populations and communities.

**4500. Theory Capstone (3) (WI) (F,S)** P: All required NURS courses below 4200; C: NURS 4210, 4211. Synthesis of previous learning for transition into professional nursing practice.

**4511. Clinical Capstone (5)** 2 seminar and 12 practicum hours per week. P: All required NURS courses below 4200; C: NURS 4210, 4211. Manages, coordinates, and delivers nursing care in selected settings based on application of previous learning.

**5000. Nursing Care for Families: A Systems Perspective (3)** P: Graduate status or consent of instructor. Interpretation of family responses useful in formulating nursing assessments and diagnoses and for defining basic nursing therapeutic interventions for families in variety of health care settings. Nursing process used to explore state of the art concept of family nursing science. Current and predicted changes in health care delivery and their affect on family.

**5011. Perspectives on Death and Dying (3) Same as GERO 5011; SOCW 5011** P: Graduate or senior standing or consent of instructor. Conditions and problems associated with facing death, dying, and survivorship. Awareness of values and attitudes as related to professional practice.

**5025. Computer Applications in Nursing (2)** P: Graduate student status; undergraduate seniors by consent of instructor. Computer applications in nursing service, education, research, and clinical practice.

**5327. Women's Health (3)** Health care issues and changes affecting delivery of care.

**5620. International Health Care (3)** P: Graduate status or senior by consent of instructor. Issues, philosophy, and cultural differences in health care from international perspective. Compares US health care to that in other nations.



## SECTION 8: COURSES

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**5900. School Nursing Practice (3)** Complexity of school nurse role in coordinated school health programs. Emphasis on case management and interdisciplinary practice in school setting.

### NURS Banked Courses

**3050. Nursing Core I (2)**

**3250, 3251. Geriatric Nursing (3,0)**

**4050. Nursing Core II (3)**

**5460, 5461. Patient Education for**

**Interdisciplinary Health Care Providers (3,0)**

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### OCCT: OCCUPATIONAL THERAPY

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**3000. Exploring Occupational Therapy (3) (F,S)** Foundation for understanding occupational therapy. History, common work settings and clients, language, and skills required to become a successful occupational therapist.

**3006. Life Span Development and Occupation (3) (F)** P: OCCT major; C: OCCT 3008, 3014. In-depth examination of development process from birth to death. Emphasis on development of occupational roles and skills. Analysis of occupational performance components (cognitive, psychological, sensory social, motor) as affected by aging process.

**3007, 3011. Occupational Therapy Intervention I and Laboratory (4,1) (F)** 4 lecture and 2 lab hours per week. P: OCCT 3006; C: OCCT 3009; C for 3007: OCCT 3011; C for 3011: OCCT 3007. Theory, techniques, and methods of OT evaluation and treatment as applied to developmental habilitation. Emphasis on OT with consumers experiencing problems with normal development.

**3008, 3016. Life Span Occupations and Laboratory (1,2) (F)** 1 lecture and 4 lab hours per week. P: OCCT major; OCCT 3006; C: OCCT 3014; C for 3008: OCCT 3016; C for 3016: OCCT 3008. Experiential course analyzes selected occupations (work, self-care, play/leisure) performed across developmental continuum.

**3009. Practicum I (2) (S)** 4 to 6 field hours per week. P: OCCT 3006; C: OCCT 3007. Prescribed level I fieldwork. Emphasis on association of theory, techniques, and methods of OT evaluation and treatment to practice setting.

**3014. Observations in Occupation (2) (F)** 4 to 6 field hours per week. P: OCCT major; C: OCCT 3007, 3009. Prescribed level I fieldwork. Emphasis on development of observation skills with populations spanning developmental continuum.

**3015. Professional Seminar I (1) (S)** 2 seminar hours per week. P: OCCT 3006; C: OCCT 3007, 3009. Theory, research, ethics, and legislation as applied to OT practice. Service documentation and accountability.

**3017. Human Physiology and Occupational Therapy (3) (F)** P: OCCT major. Body systems as related to normal and pathological conditions seen by occupational therapists.

**3020. Health Impairments and Occupational Therapy I (4) (F)** P: OCCT major; ANAT 5011, 5012. Etiology of impairments and models of ablement/disablement. Identification of consequences of diseases, injuries, or disorders and their impact on human occupation. Application of appropriate OT frames of reference and remedial techniques.

**3021. Health Impairments and Occupational Therapy II (4) (S)** P: OCCT 3020. Continuation of OCCT 3020.

**4006, 4007. Functional Anatomy and Laboratory (3,1) (F)** 3 lecture and 2 lab hours per week. P: HPRO 5011, 5012; PHLY 4330; C for 4006: OCCT 4007; C for 4007: OCCT 4006. Musculoskeletal components of occupational performance. Emphasis on study and analysis of musculoskeletal system as related to human occupation. Mobility, stability, posture, and biomechanics. Introduction to specific evaluations, such as range of motion and muscle strength.

**4008, 4009. Occupational Therapy Intervention II (4,1) (S)** 4 lecture and 2 lab hours per week. P: HPRO 4340; C: OCCT 4012; C for 4008: OCCT 4009; C for 4009: OCCT 4008. Theory, techniques, and methods of OT evaluation and treatment as applied to rehabilitation of consumers whose occupational performance is threatened by psychosocial dysfunction.

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**4012. Practicum II (2) (S)** 4 to 6 field hours per week. C: OCCT 4008. Techniques and methods of OT evaluation and treatment as applied to rehabilitation of consumers whose occupational performance is threatened by psychosocial dysfunction.

**4014. Professional Seminar II (1) (F)** 2 seminar hours per week. C: OCCT 4008, 4012. Advanced examination of theory, research, ethics, and legislation as applied to OT practice. Emphasis on service documentation and accountability.

**4040. Leadership in Occupational Therapy (3) (S)** P: Senior standing; consent of instructor. Leadership roles in OT. Administration, planning, supervision, and organization of OT services, historical perspectives and professional organization, and current issues.

**4041, 4042. Occupational Therapy Intervention III and Laboratory (4,1) (4041:WI\*) (S)** 4 lecture and 2 lab hours per week. P: HPRO 5030, 5031; OCCT 4006, 4007; C: OCCT 4043; C for 4041: OCCT 4042; C for 4042: OCCT 4041. Theory, techniques, and methods of OT evaluation and treatment as applied to rehabilitation of consumers whose occupational performance is threatened by physical dysfunction.

**4043. Practicum III (2) (S)** 4 to 6 field hours per week. C: OCCT 4041. Prescribed level I fieldwork. Emphasis on association of theory, techniques, and methods of OT evaluation and treatment to practice setting.

**4045. Professional Seminar III (1) (S)** 2 seminar hours per week. C: OCCT 4041, 4043. Integration of theory, research, ethics, and legislation as applied to OT practice. Emphasis on service documentation and accountability.

**4047. Directed Independent Study (3) (WI) (S)** Classroom hours variable; contracted between student and instructor. May be repeated for maximum of 6 s.h. P: Senior standing in OCCT. Topic in student's area of interest as approved by OT adviser. Emphasis on advanced inquiry skills into an area of OT or practice.

**4051, 4052. Level II Fieldwork (6,6)** 6 months of supervised fieldwork, 3 months full-time in summer and 3 months full-time in fall. P: Completion of all course work and level I (practicum) experiences. Practice skills of entry-level occupational therapist.

### OCCT Banked Courses

**3004. Professional Foundations (3)**

**4053. Optional Level II Fieldwork Experience (4-6)**

### PADP: PHYSICIAN ASSISTANT

**3000. The Role of the Physician Assistant and the History, Philosophy, and Ethics of Medical Practice (1) (WI) (SS)** 36 hours. History of medicine and introduction to medical ethics. Nonclinical aspects of dependent practice and roles of other health care providers involved in medical team approach to medical care and disease prevention. Development of realistic role identity for physician assistant.

**3150. Clinical Medicine I (5)** Clinically-oriented didactic and lab skills as preparation for clinical rotations and future clinical practice. Etiology, pathophysiology, clinical manifestations, and appropriate management of selected disease entities with skills necessary to obtain accurate health history and physical examination to derive a differential diagnosis.

**3250. Clinical Medicine II (4) (S)** Clinically-oriented didactic and lab skills as preparation for clinical rotations and future clinical practice. Etiology, pathophysiology, clinical manifestations, and appropriate management of selected disease entities with skills necessary to obtain accurate health history and physical examination to derive a differential diagnosis.

**3300. Physical Diagnosis (4) (WI) (F)** 135 hours. Principles and practical skills required to perform and interpret physical examination. Variations of normal and common abnormal physical findings.

**3400. Communications Skills for Physician Assistants (1) (WI) (F)** 30 hours. Development of adequate interpersonal communication skills. Focus on fundamental methods for collecting, organizing, and presenting a comprehensive health history.

**3500. Pharmacology (3) (S)** 114 hours. General principles of pharmacology and toxicology as related to medications used in treatment of injury or disease conditions affecting body systems discussed in PADP 3150, 3250.

## SECTION 8: COURSES

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**3650. Surgery and Emergency Medicine Skills (4)** Clinically oriented didactic and lab skills course as foundation for clinical rotations in surgery and emergency medicine. Focus on common acute and surgical conditions encountered in primary care and surgical settings. Primary goals are to present concepts and principles which characterize discipline of surgery and emergency medicine and to provide basic skills in these areas.

**3800. Behavioral Medicine and Psychosocial Issues in Health Care (2) (S)** General survey of fundamental principles underlying human behavior. Include physiological development, learning, memory, motivation, and social and abnormal behavior. Emphasis on improving communication skills and integrating knowledge of psychosocial principles and diagnosis with clinical situation.

**3900. Public Health and Preventive Medicine (2)** Basic concepts of public health and preventive medicine. Basic epidemiological concepts include distribution, prevalence, causation, mode of transmission and dissemination, control, and preventive countermeasures of significant infectious diseases and occupational injuries.

**4310. Behavioral Medicine Clinical Practicum (3) (F,S,SS)** Assignment to psychiatric and/or behavioral clinical inpatient or outpatient setting. 40 hours per week for 4 weeks. Placement facilitates acquisition of communication and behavioral modification skills useful in primary care setting.

**4320. Internal Medicine Clinical Practicum (5) (F,S,SS)** 40 hours per week for 8 weeks. Application of basic medical knowledge to problems and situations encountered in internal medicine practice. Data base collection, formulation of complete problem list, and participation in daily rounds and management of patient problems provides awareness of complexity of disease processes and differential diagnosis.

**4330. Family Medicine Clinical Practicum (5) (F,S,SS)** 40 hours per week for 8 weeks. Emphasis on outpatient evaluation and treatment of conditions common at family medicine/primary care level. Appropriate health maintenance measures for different age groups.

**4340. General Surgery Clinical Practicum (5) (F,S,SS)** Assignment to surgical team. 40 hours per week for 8 weeks. Routine health care of variety of surgical inpatients and outpatients. Emphasis on preoperative evaluation and preparatory procedures, assisting at the operating table, and management of patients through postoperative period to discharge.

**4350. Emergency Medicine Clinical Practicum (3) (F,S,SS)** 40 hours per week for 4 weeks. Evaluation and management of surgical problems of ambulatory patient. Emergency room setting facilitates experience in initial evaluation of potential surgical conditions, performance of problem-specific examinations, and minor surgical skills. Follow up on patients during return visits.

**4360. Pediatrics Clinical Practicum (3) (F,S,SS)** Assigned to institutional setting or community-based pediatric site. 40 hours per week for 4 weeks. Emphasis on communication skills and relating sensitively to children and parents. Normal growth and development, pediatric preventive medicine, and evaluation and management of common childhood illnesses.

**4370. Obstetrics and Gynecology Clinical Practicum (3) (F,S,SS)** 40 hours per week for 4 weeks. Common gynecological problems, pregnancy, and delivery. Assisting at operating table may be significant aspect of rotation. Emphasis on clinical experience with cancer detection techniques, abnormal menstruation and bleeding, infections, and contraception counseling.

**4600. Advanced Clinical Practicum (2) (F,S,SS)** 40 hours per week for 4 weeks. P: Approval of dept chair. Focus on rural settings in area of student's medical vocational interest.

**4700. Advanced Clinical Practicum (2) (F,S,SS)** 40 hours per week for 4 weeks. P: Consent of dept chair. Focus on community settings in area of student's medical vocational interest.

## PHIL: PHILOSOPHY

**1110. Introduction to Philosophy (3) (WI\*) (F,S,SS) (GE:HU)** Introduction to some of the main philosophical questions about knowledge, existence, and value, e.g. What can we be certain of? Does God exist? What is the difference between right and wrong? Selected readings from major philosophers.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)= Even Year

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- 1175. Introduction to Ethics (3) (WI\*) (F,S,SS) (GE:HU)** Introduction to major ethical theories and to questions such as: What is justice? What is virtue? What are human rights? What is happiness?
- 1176. Introduction to Social and Political Philosophy (3) (F,S) (GE:HU)** Philosophical basis of main social, political, and economic systems. Classic issues such as civil disobedience, justification of revolution, institution of private property, and redistribution of wealth.
- 1180. Introduction to Critical Reasoning (3) (WI\*) (GE:HU)** Introduction to non-symbolic logic. Topics may include how to recognize simple valid arguments, avoid common fallacies, define terms, criticize arguments, and answer objections.
- 1262. Introduction to Philosophical Issues in Biology (3) (GE:HU)** Introduction to philosophical thinking and writing by study of issues at foundations of contemporary biology. Topics may include philosophical import of evolutionary theory, nature of scientific justification, reductionism versus holism in biological theory, and ethical issues in biological research.
- 1263. Introduction to Philosophical Issues in Psychology (3) (GE:HU)** Introduction to philosophical thinking and writing by study of issues at foundations of psychology. Topics may include competing models of mind (biological, information-processing, holistic), nature of scientific justification, pharmacological versus more traditional methods in psychiatry and clinical psychology, and ethical issues in psychological research.
- 1275. Contemporary Moral Problems (3) (GE:HU)** Philosophical consideration of some central moral problems of modern society and civilization, such as abortion, euthanasia, war, sexual morality, government paternalism, reverse discrimination, animal rights, environmental ethics, and capital punishment. Topics vary.
- 1290. Introduction to Philosophy of Religion (3) (F) (GE:HU)** Analysis of some main concepts, arguments, and issues in philosophy of religion. Topics include meaning of religious language, arguments for existence of God, problem of evil, miracles, and meaning of religious experience.
- 1311. Great Philosophers from Antiquity to the Present (3) (GE:HU)** May be repeated for credit with consent of instructor and dept chair. Focuses on several philosophers, each from different historical periods. Emphasis on selections from their writings and their influence. Historical periods include Ancient, Medieval, and Modern Periods and nineteenth and twentieth centuries.
- 1500. Introduction to Logic (3) (F,S,SS) (GE:HU or MA)** Introduction to basic logical notions: statement, argument, validity, consistency, and proof. Various methods for analyzing these notions. Translation of natural language statements into logical system and other topics.
- 1695. Introduction to the Old Testament (3) (F,SS) (GE:HU)** History, literature, and religion of ancient Israel.
- 1696. Introduction to the New Testament (3) (S,SS) (GE:HU)** History, literature, and religion of early Christianity.
- 2261. Introduction to Philosophy of Science (3) (GE:HU)** Investigation into nature of science and scientific method. Topics include nature of scientific theories, existence of theoretical entities, structure of space-time, and causality.
- 2271. Introduction to Philosophy of Art (3) (WI\*) (GE:HU)** Introduction to classical and current philosophical theories explaining the nature and value of art. Emphasis on general understanding of such theories and their application to the art world. Past and current developments in philosophy linked with work and theories of currently influential artists and historical figures in the arts.
- 2274. Business Ethics (3) (WI\*) (F,S,SS) (GE:HU)** Survey of main theories of normative ethics and their application to moral issues that arise in business, such as employee rights and responsibilities, honesty in advertising, trade secrecy, and corporate social responsibility.
- 2275. Professional Ethics (3) (WI\*) (F,S,SS) (GE:HU)** Concept of a professional and obligations of professionals to their clients and others. Survey of related ethical issues in law, accounting, health care, engineering, education, scientific research, etc.
- 2282. Philosophy of Law (3) (F,S) (GE:HU)** P: PHIL 1175 or 2275. Exploration of philosophical topics arising from study and application of legal principles, such as nature of law and obligation, civil liberties, rights, and theories of punishment.

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## SECTION 8: COURSES

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**2310. Ancient Philosophy (3) (GE:HU)** Study of major writings of ancient period, such as those of the Pre-Socratics, Plato, Aristotle, Epicurus, and Plotinus.

**2320. Medieval and Renaissance Philosophy (3) (GE:HU)** Study of representative writings of significant philosophers in Medieval and Renaissance periods.

**2330. Modern Philosophy (3) (GE:HU)** P: 3 s.h. in PHIL or consent of instructor. Readings from major philosophers who helped form our modern world, such as Descartes, Locke, Berkeley, Hume, and Kant, from 1600-1800.

**2451. American Philosophy (3) (GE:HU)** Study of major themes in American philosophy and/or major American philosophers.

**2453. Existentialism and Phenomenology (3) (GE:HU)** Study of representative writers from late nineteenth- and twentieth-century tradition of existentialism and phenomenology, such as Nietzsche, Kierkegaard, Husserl, Sartre, and Heidegger.

**2690. World Religions (3) (GE:HU)** Historical and contemporary expressions of major living religions, such as Hinduism, Buddhism, Taoism, Judaism, Christianity and Islam.

**3255. Philosophy of Mind (3) (GE:HU)** P: 3 s.h. in PHIL or consent of instructor. Philosophical problems concerning the mind, such as intentionality and subjectivity of our mental states. Nature of psychology and cognitive sciences and their implications for philosophy.

**3260. Epistemology (3) (F) (GE:HU)** P: 3 s.h. in PHIL or consent of instructor. Philosophical examination of issues related to knowledge and acceptable belief. Topics may include role of experience, perception, sensation, and reasoning in generating knowledge or acceptable, true beliefs, and extent to which our various knowledge seeking activities (such as pursuit of scientific methodologies) succeed in producing what is being sought.

**3272. Aesthetics (3) (GE:HU)** P: 3 s.h. in PHIL or consent of instructor. Philosophical examination of issues such as nature and foundation of aesthetic value, relevance of aesthetics to current developments in art world, whether the concept of art is an evolving concept, and relevance of artist's intention to nature and value of art.

**3281. Introduction to Philosophical Ethics in the Health Care Professions (3) (WI\*) (GE:HU)** Survey of moral problems pertaining to study and practice of medical sciences and study of philosophical concepts and methods as they pertain to those problems.

**3290. Philosophy of Religion (3) (S) (GE:HU)** P: 3 s.h. in PHIL or consent of instructor. Topics discussed in PHIL 1290 pursued thoroughly. Ramifications and implications of opposing positions and arguments.

**3311. Plato (3) (GE:HU)** P: Consent of instructor. Selected dialogues.

**3312. Aristotle (3) (GE:HU)** P: 3 s.h. in PHIL or consent of instructor. Selected writings.

**3340. Twentieth-Century Analytic Philosophy (3) (GE:HU)** P: 3 s.h. in PHIL or consent of instructor. Major movements, themes, and figures in mainstream of philosophy from 1900 to present, such as Russell, Wittgenstein, Quine, and Austin.

**3350. Great Philosopher (3) (F) (GE:HU)** May be repeated for credit with change of topic. P: 3 s.h. in PHIL or consent of instructor. Intensive study of a great philosopher. Selected from such major figures as Plato, Aristotle, Augustine, Aquinas, Descartes, Leibniz, Kierkegaard, Sartre.

**3519, 3520, 3521. Directed Readings (1,2,3) (3521:WI\*) (F,S,SS) (GE:HU)** May be repeated for credit with consent of instructor and dept chair. May not receive academic credit for external proctoring in departmental courses using the Personalized System of Instruction. P: Consent of directing professor and dept chair. Independent study of particular topic for which general department curriculum does not provide adequate opportunity.

**3550. Junior Honors (3) (F,S,SS)** May be repeated for credit with consent of instructor and dept chair.

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**3580. Intermediate Logic (3) (GE:HU or MA)** P: PHIL 1500 or MATH major or consent of instructor. Review of propositional logic. Logical notions of validity, consistency, and proof are extended to predicate logic. Emphasis on derivations in this system. Other topics may be included.

**3690. Women and Religion (3) (GE:HU)** Study of the historical and contemporary situation of women in major religious traditions. Special emphasis on Judaism and Christianity

**4250. Metaphysics (3) (GE:HU)** P: 6 s.h. in PHIL or consent of instructor. Speculative inquiry concerning philosophical questions about reality, the world, the mind, God, universals, essences, and substances.

**4270. Ethics (3) (WI\*) (GE:HU)** P: 6 s.h. in PHIL or consent of instructor. Intensive study of particular issue or theory, such as meaning and justification of ethical statements, utilitarianism, responsibility, blame, and punishment.

**4282. Mathematical Logic (3) (GE:HU) Formerly PHIL 5282** Focuses on rigorous proof of consistency and completeness of first order of predicate logic. Other topics may include proofs of adequacy of various sets of operators to express all truth functions, theory of identity, discussion of incompleteness of arithmetic, decidability and undecidability results, contrasts between objectual and substitutional quantification, and contrasts between natural deduction and axiomatic systems.

**4283. Philosophy of Language (3) (S) (GE:HU)** P: 3 s.h. in PHIL or consent of instructor. Problems of meaning, truth, reference, necessity, naming, concepts, propositions, speech acts, semantic theories, and nature of language.

**4550. Senior Honors (3) (F,S,SS)** May be repeated for credit with consent of instructor and dept chair.

**5531, 5532, 5533. Directed Readings (1,2,3) (F,S,SS)** May be repeated for credit with consent of instructor and dept chair. P: Consent of directing professor and dept chair.

### PHIL Banked Courses

**2272. Philosophical Perspectives of Sex (3)**

**2273. Philosophy and Education (3)**

**2280. Introduction to Philosophy of Sport (3)**

**3332. Empiricism (3)**

**4331. Continental Rationalism (3)**

**4333. Kant and German Idealism (3)**

**4441. Analytic Philosophy (3)**

**5273. Reasoning Skills in Elementary Education (3)**

**5285. Philosophical Problems in the Health Care Professions (3)**

### PHLY: PHYSIOLOGY

**4330. Human Physiology (5)** P: BIOL 1050, 1051; CHEM 1120. Physiological principles fundamental to living tissue. All body systems related to normal and pathological conditions in humans.

### PHYS: PHYSICS

**1050. Physics and the Environment (4) (F,S,SS) (GE:SC)** Basic principles of physics and their uses and consequences in the world and our lives. Comprises, along with PHYS 1080, 1081 or 1090, 1091, a nonmathematical science sequence designed primarily for nonscience majors.

**1080, 1081. Physics and the Universe (3,1) (F,S) (GE:SC)** 3 lecture and 2 lab hours per week. C for 1081: PHYS 1080. Nonmathematical study of universe from earth to galaxies. Topics include appearance of sky, physical nature of moon and planets, birth and evolution of stars, and galaxies.

**1090, 1091. Physics of Sound (4,0) (S) (GE:SC)** 3 lecture and 2 lab hours per week. Musical sound, including its properties, production, behavior, and reproduction. Topics include basic physical principles, sound reception and the ear, basic acoustics, and sound production by musical instruments.

**1250, 1260. General Physics (3,3) (F,S,SS) (GE:SC)** P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250. Basic principles of physics, including mechanics, heat, thermodynamics, electricity, magnetism, light, wave motion, and modern developments in physics.

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## SECTION 8: COURSES

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**1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (GE:SC)** 2 lab hours per week. C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2360. Experiments involving general concepts.

**2021. Experimental Physics (1) (F-04)** 3 lab hours per week. P: PHYS 1261, 2360. Experiments involving basic electricity and digital electronics concepts.

**2350, 2360. University Physics (4,4) (F,S,SS) (GE:SC)** C: MATH 2121 or 2171; P for PHYS 2360: PHYS 2350. Calculus-based introduction to basic principles of physics. Mechanics, thermodynamics, electricity and magnetism, optics, and modern physics.

**3516, 3517, 3518. Problems in Physics (1,1,1)** Equivalent of 1 lecture hour per week. P: Consent of instructor and dept chair. Research under faculty supervision.

**3700, 3701. Advanced Laboratory (3,0) (3700:WI) (S)** 1 lecture and 6 lab hours per week. P: PHYS 2360. Advanced experimental physics. Major writing requirement.

**3716, 3717, 3718. Advanced Physics Laboratory (1,2,3)** Equivalent of 2, 4, or 6 hours of lab work per week. May be repeated for maximum of 9 s.h. P: Consent of instructor and dept chair. Experiments and investigations to supplement any physics course.

**4080, 4081. Astronomy (3,0)** 2 lecture and 2 lab hours per week. P: PHYS 2360. Astronomy as birthplace of great concepts of physics. Nature of solar system, stars, and galaxies.

**4120. Thermodynamics (3) (S-OY)** P: PHYS 2360. Topics include laws of thermodynamics with applications and introduction to kinetic theory and statistical mechanics.

**4226. Mechanics I (3) (F)** P: MATH 2173; PHYS 2360. Topics include motion of particle and system of particles, statics of rigid bodies, gravitation, and moving coordinate systems.

**4227. Mechanics II (3)** P: PHYS 4226. Topics include mechanics of continuous media, Lagrange's and Hamilton's equations, rigid body rotations, and theory of small vibrations.

**4310. Modern Optics (3) (F-EY)** P: PHYS 2360. Topics include image information and ray theory wave optics, optical transformation theory, and quantum optics.

**4326. Electricity and Magnetism I (3) (F)** P: MATH 2173; PHYS 2360. Topics include electrostatics, dielectrics, electric current, magnetic properties of steady currents and of matter, and electromagnetic induction.

**4327. Electricity and Magnetism II (3)** P: PHYS 4326. Topics include properties of slowly varying currents, Maxwell's equations, and electromagnetic waves.

**4416. Modern Physics I (3) (F)** P: PHYS 2360. Topics include special relativity, early quantum theory, solution to the Schrodinger equation, and theory of hydrogen atom and complex atoms.

**4417. Modern Physics II (3) (S)** P: PHYS 4416. Topics include nuclear models, elementary particles, quantum statistics, molecular structure, solid-state physics, and astrophysics.

**4560. Mathematical Methods for Physics (3) (S)** P: MATH 2173; PHYS 2360. Vector calculus, matrix applications, tier series, complex variables, and numerical methods.

**4610. Electronics (3) (F-OY)** 2 lecture and 2 lab hours per week. P: PHYS 2021, 2360. Theoretical and experimental survey of electric and electronic circuits.

**531I. Mathematical Physics I (3) Same as MATH 531I** P: MATH 4331; PHYS 2360; or consent of instructor. Mathematical methods important in physics. Emphasis on application. Functions of complex variables, ordinary and partial differential equations, integrals and integral transforms, and special functions.

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**5400. Quantum Mechanics I (3)** P: Intermediate modern physics. Fundamentals of quantum theory as applied to atomic and molecular systems.

**5600, 5601. Modern Electronics (3,0)** 2 lecture and 2 lab hours per week. P: PHYS 4610. Theory and application of modern electronic devices. Circuit design using linear, nonlinear, and hybrid integrated circuits and their application in a graphical (GUI), computer-based environment for scientific instrument and process control.

**5700. Health Physics (3)** P: PHYS 2600, 4417; or consent of instructor. Broad spectrum of topics in radiation protection. Emphasis on interactions of radiation with matter, methods of radiation detection, dosimetry, principles of shielding, and regulations pertaining to work with radiation.

**5715. Biomedical Physics (3)** P: BIOL 1050; CHEM 1160; PHYS 2360; or consent of instructor. Applications of physics principles in biology and medicine. Topics include statistical analysis, biomechanics, structure of cells and membranes, transport in medium and through membranes, interaction of photons and charged particles with biological systems.

**5900, 5901. Computational Physics (3,0)** 1 lecture and 4 lab hours per week. P: MATH 4331; PHYS 2360 or 5311. Application of modern computer program with symbolic, numerical, and graphical capabilities to problems in physics.

### PHYS Banked Courses

**1011. Experimental Physics I (1)**

**1021. Experimental Physics II (1)**

**1061. Experimental Physics (1)**

**1070. Physics and Man (3)**

**1100. Introduction to Physics and Engineering (3)**

**2011. Experimental Physics III (1)**

**2250, 2260, 2270. Advanced General Physics (3,3,3)**

**2600, 2601. Introduction to Health Physics (3,0)**

**3100. Topics for Secondary School Teachers (3)**

**3650, 3651. Medical Instrumentation (3,0)**

**3860, 3861. Introduction to Instrument-Computer Interfacing (2,1)**

**4110. Applied Thermodynamics (3)**

**5060. The Conceptual Development of Physics (3)**

**5321. Applied Mathematics I (3)**

**5350. Modern Optics (3)**

**5610. Applied Electromagnetism (3)**

**5630. Gaseous Conductors (3)**

**5640, 5641. Solar Energy (3,0)**

**5710, 5711. Topics in Health Physics I (3,0)**

**5720, 5721. Topics in Health Physics II (3,0)**

**5800. Biophysics (2)**

### PLAN: PLANNING

**1900. Planning for the Human Environment (3) (F,S,SS)** Theories, concepts, and methodologies used to plan for man and environment. Planning process examined in context of urban, regional, environmental, site, and institutional scenarios.

**3000. Urban Planning (3) (F,SS)** Philosophy, theories, and principles involved in planning urban areas. History of urban planning profession, analysis of urban planning process, overview of institutional context within which planning occurs, and discussion of problems confronting contemporary urban areas.

**3010. Regional Planning (3) (F,S,SS)** Philosophy, theories, and principles of regional planning. History of regional planning and analysis of problems, issues, and techniques in planning regions.

**3015. Planning for Circulation (3) (S)** Theories and principles involved in planning for circulatory systems in urban and regional settings. Historical aspects of circulation, overview of planning concerns, and discussion of practice of planning as related to transportation.

**3018, 3028, 3038. Planning Internship (1,2,3) (F,S,SS)** Minimum of 50 hours of work responsibility per semester hour of credit. P: Completion of minimum of 80 s.h. of course work, including 4 of the 5 required core courses specified in BS in urban and regional planning degree; approval by member of planning faculty and dept chair based upon student's submitting written proposal indicating applicability of planning internship to his or her educational and professional objectives. Supervised experience with professional planning personnel in approved agency or organization.



## SECTION 8: COURSES

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**3020. Environmental Planning (3) (F)** Concepts and issues of environment in relation to planning and management principles and practices.

**3021. Introduction to Planning Techniques (3) (F)** 2 lecture and 2 lab hours per week. Communication, computation, data analysis, and other analytical techniques for effective urban and regional planning.

**3022. History and Theory of Planning (3) (WI\*) (F)** Past and present planning concepts, methods, and theories. In-depth examination of evolution of cities and history of planning in US.

**3031. Quantitative Analysis in Planning (3) P:** PLAN 3021 or consent of the instructor. Basic application in demographic, economic, land use, and transportation methods in policy context to develop effective community planning.

**3032. Planning Legislation and Administration (3) (WI) (S)** State enabling acts, zoning ordinances, subdivision regulations, and other legislative bases essential to effective planning. Administrative methods and theory presented in context of planning practice.

**3041. Computer Applications in Planning (3) (F)** 2 lecture and 2 lab hours per week. P: ITEC 2000, 2001 or equivalent; PLAN 3021; or consent of instructor. Various computer hardware, software, and operating systems for effective planning and design at urban and regional scales.

**3051. Introduction to GIS in Planning (3) (F,S)** 2 hours lecture and 2 hours lab per week. P: GEOG 3410 or consent of instructor. Overview of principles and applications of GIS in planning. Focuses on use of GIS to facilitate decision making in planning process.

**4003. Urban Form and Design (3) (S)** P: 14 s.h. from the planning curriculum. General types, scales, features, and determinants of urban form. Design concepts, problems, and potentials associated with urban development projects of varying scales.

**4015. Emergency Management Planning (3)** Case studies examine emergency management planning and techniques. Emphasis on mitigation of, preparation for, response to, and recovery from natural and technological disasters.

**4025. Housing and Neighborhood Planning (3) (F)** Substantive and methodological issues related to housing and neighborhood planning. Current local, state, and federal statutory planning requirements in housing and community development examined in relationship to planning process.

**4046. Planning and Design Studio (3) (F,S)** 2 lecture and 2 lab hours per week. P: PLAN 3041 or consent of instructor. Analytical and practical skills involved in real world planning, development, and management.

**4099. Practicum in Planning (3) (WI)** 1 lecture and 2 lab hours per week. P: PLAN major; PLAN 4046. Culmination of undergraduate preparation for professional practice. Planning process used to prepare high-quality planning document.

**5025. Coastal Area Planning and Management (3)** 2 classroom and 3 studio hours per week. P: Consent of instructor. Conceptual approach to planning and management problems, policies, and practices in coastal area.

**5035. Community Planning for Health Facilities (3)** Theories, methodologies, and principles essential to establishing an effective community planning process for health facilities.

**5045. Environmental Resources Planning and Management (3)** P: PLAN 3010 or equivalent or consent of instructor. Frame of reference for studying natural resources for purpose of development.

**5065. Land Use Planning (3)** 2 lecture and 2 lab hours per week. Social, economic, physical, and environmental aspects of urban land use and planning. Other tools for effective planning.

**5121, 5131. Problems in Planning (2,3) (5131:WI)** 3 hours per week per credit hour. P: Consent of instructor. Analysis of specific problem in planning to be approved prior to registration.

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**5985. Historic Preservation Planning (3) Same as HIST 5985** Historic preservation planning. Examination of theoretical, legal, historical, and design bases of preservation planning.

### PLAN Banked Courses

**4001. Field Methods in Planning (3)**

**4005. Environmental Impact Assessment in Planning (3)**

**4040. Community Facilities Planning and Capital Budgeting (3)**

**4086. Site Design (3)**

**5015, 5016. Transportation Planning and Transportation Planning Studio (2,1)**

**5055. Soils and Planning (3)**

**5095. International Development Planning (3)**

**5111. Problems in Planning (1)**

### POLS: POLITICAL SCIENCE

**1010. National Government (3) (F,S,SS) (GE:SO)** Basic concepts, structure, powers, procedures, and problems of American government.

**2000. Computer Applications for Political Science (3) (F,S)** 2 lecture and 2 lab hours per week. P: POLS majors and PADM minors; or consent. Basic computing skills and microcomputer and mainframe applications appropriate for political and governmental data. (Basic typing skills assumed.)

**2010. Introduction to Comparative Government and Politics (3) (WI) (F,S) (GE:SO)** May receive credit for one of POLS 2010, 2107. Comparative analysis of political systems. Examines foundations of structures and governments.

**2020. Introduction to International Relations (3) (F,S) (GE:SO)** May receive credit for one of POLS 2020, 2106. Basic concepts and principles of functioning of international system. War and peace, economics, diplomacy, arms control, and threats to peace.

**2070. Introduction to Political Theory (3) (GE:SO)** May receive credit for one of POLS 2070, 2108. Selected literature and thinkers addressing political life and problems.

**3011. Political Issues (3) (GE:SO)** Current foreign and domestic issues facing American national government.

**3012. Politics Through Film (3) (S) (GE:SO)** Themes, issues, and processes of politics through indepth study of selected films.

**3013. Decision Making In the United Nations (3) (F) (GE:SO)** Development of debate and decision-making skills regarding issues before the United Nations, and practiced through administering a model United Nations conference.

**3031. Introduction to Behavioral Methodology (3) (F) (GE:SO)** Application of scientific method in political science using techniques common in discipline for describing and analyzing data.

**3033. Voting Behavior and Public Opinion (3) (GE:SO)** Factors which affect development and expression of public opinion, voter turnout, partisanship, and electoral choices.

**3035. American Political Parties and Politics (3) (GE:SO)** Politics, parties, and pressure groups. Consideration of recent research findings in many aspects of political behavior.

**3039. Black Politics in America (3) (GE:SO)** Investigation of the political goals of Black Americans.

**3040. Women in Politics (3) (S)** P: POLS 1010 or consent of instructor. Status and influence of women in American political system. Cross-national comparisons.

**3041. Women and Public Policy (3) (S) (GE:SO)** P: POLS 1010 or consent of instructor. Public policies that affect women in American society.

**3144. American Foreign Policy (3) (S)** RP: POLS 2020. Principles and policies which characterize America's recent and contemporary foreign relations.

Some courses which carry general education credit are identified using the following key Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**3202. The American Legislature (3) (GE:SO)** Organization, powers, and role of legislature in American political process.

**3203. The American Executive (3) (GE:SO)** Organization, powers, and role of executive in American political process.

**3204. The American Judiciary (3) (F) (GE:SO)** Organization, powers, and role of judiciary in American political process.

**3223. Constitutional Powers (3) (S) (GE:SO)** Constitutional issues related to powers of Congress, the presidency, courts, and state governments in American political system.

**3224. Civil Liberties (3) (GE:SO)** Contemporary civil liberties issues confronting American political system.

**3234. West European Political Systems (3) (F) (GE:SO)** Comparative analysis of political structures and institutions in Great Britain, France, Germany, and selected West European nations.

**3235. East European Political Systems (3) (F) (GE:SO)** Political structures, institutions, and processes of eastern European states. Communist legacy, socioeconomic transformations, and patterns of institutional change.

**3236. The Soviet Successor States (3) (GE:SO)** Political structures, institutions, and processes in selected successor states of former Soviet Union, particularly Russia and Ukraine. Legacies of communism and current political, economic, and social transformations.

**3240. State and Local Government (3) (F,S) (GE:SO)** May receive credit for one of POLS 2102, 3240. P: POLS 1010 or consent of instructor. Structures, principles, and policies of subnational government in US.

**3241. Urban Political Systems (3) (S)** Issues confronting US urban areas.

**3242. Municipal Policy and Administration (3)** Decision-making process in urban governments. Survey of selected policy areas.

**3243. Comparative State Politics (3)** Major state political institutions, political context within which they function, and processes by which they work. Comparative analysis rather than detailed account of a particular state government.

**3244. North Carolina Politics (3) (GE:SO)** Forces that shaped NC politics and public policy. Survey of NC government.

**3252. Public Administration (3) (GE:SO)** Federal government administration and role of administrative agencies in formulation and implementation of public policy.

**3253. Government Fiscal Administration (3)** RP: POLS 1010. Government budgeting, fiscal policy principles, and problems of taxation.

**3254. Governmental Personnel Administration (3)** RP: POLS 3252 or consent of instructor. Public personnel administration. Emphasis on modern personnel procedures in federal, state, and local jurisdictions.

**3255. Domestic Public Policy (3) (S)** American policy-making process and major issues in several public policy areas.

**3256. Environmental Politics (3) (F)** Energy and environmental policies, especially governmental responses to conflicting goals of clean environment and energy sufficiency.

**3257. International Environmental Policy (3) (S)** Structures and processes used in formulation and implementation of international environmental treaties and agreements. Focus on international environmental policy, law, and cooperation.

**3260. Middle Eastern Political Systems (3) (S) (GE:SO)** Comparative study of government and politics in selected countries of Middle East.

**3265. African Political Systems (3) (GE:SO)** Comparative study of government and politics in selected countries in Africa.

**3270. Latin-American Political Systems (3) (S)** Selected Latin-American governments. Emphasis on internal processes and systems.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C, or P/C

- 3280. South Asian Political Systems (3) (SS)** Comparative analysis of development and change in India, Pakistan, Ceylon, and Burma.
- 3290. Conflict and Peace in the Post-Cold War Era (3) (S)** Political, economic, socio-cultural, and ecological issues in post-Cold War international system that structure nature of conflict and prospects for future cooperation and peace.
- 3293. International Organizations (3)** Origins, structures, and functions of United Nations, Organization of American States, North Atlantic Treaty Organization, and other international organizations.
- 3295. International Law (3) P:** POLS 2020 or consent of instructor. Basic survey of international law.
- 3370. American Political Thought (3) (S) (GE:SO)** American political thought from Puritans to present.
- 4000. Political Leadership (3) P:** 12 s.h. in POLS or consent of instructor. Theoretical analysis of leadership as defined, developed, and practiced in diverse political settings.
- 4107. Topics in Comparative Politics (3)** May be repeated for maximum of 6 s.h. with change of topic. P: 12 s.h. in comparative government and politics courses or consent of instructor. Selected topics and issues include executive-legislative relations, ethnicity and nationalism, revolutions, etc.
- 4310. Public Policy and the Media (3) (S) (GE:SO)** Role of media in formulation and analysis of public policies primarily in US, also comparisons with other nations.
- 4321. Contemporary Southern Politics (3) (S)** Comprehensive study of southern regional politics. Emphasis on role of mass movements, power structures, political parties, and factionalism. Underlying cultural and economic factors.
- 4360. Politics of Developing Areas (3) (GE:SO)** Major theoretical issues and political problems central to processes of modernization and socioeconomic development in Third World.
- 4371. Western Political Thought I: Moses to Montesquieu (3) RP:** POLS 2070. Major political thinkers from ancient Hebrews to Enlightenment.
- 4373. Western Political Thought II: Rousseau to Camus (3) RP:** POLS 2070. Major political thinkers from romantic period to Existentialism and "New Left."
- 4380. Topics in International Politics (3)** May be repeated for maximum of 6 s.h. with change of topic. P: POLS 2020 or consent of instructor. Selected topics and issues in contemporary international politics.
- 4383. War in the Modern Age (3)** Broad-ranging study of politics of modern war. Causes, weaponry and strategy, and effects. Arms control issues and analysis of potential for armed conflict in post-Cold War era.
- 4501, 4502. Independent Study in Political Science (1,2) (WI, WI) (F,S,SS)** May count maximum of 6 s.h. of POLS 4501, 4502, 4521, 4522, 4981, 4982, 4992 toward any degree offered by the political science dept. P: Consent of dept chair. Individualized program developed through student initiative in consultation with professor of choice as an extension of material offered through formal courses in departmental curriculum. Available only as extended study program when regular course offerings in a particular field of discipline have been exhausted and student is interested in additional study in that field.
- 4521, 4522. Directed Readings in Political Science (1,2) (F,S,SS)** May count maximum of 6 s.h. of POLS 4501, 4502, 4521, 4522, 4981, 4982, 4992 toward any degree offered by the political science dept. P: Consent of dept chair. Advanced students read basic literature in field.
- 4551, 4552. Honors (3,3) (WI, WI) (F,S,SS)** P for 4551: POLS major; invitation to participate in honors program; P for 4552: POLS 4551 with a minimum grade of B.
- 4981, 4982. Internship in Practical Politics (1,2) (F,S,SS)** 6 hours per week for 4981; 12 hours per week for 4982. May be taken concurrently. May count maximum of 6 s.h. of POLS 4501, 4502, 4521, 4522, 4981, 4982, 4992 toward any degree offered by the political science dept. P: Consent of dept chair. Experiential learning under academic supervision in political setting.

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## SECTION 8: COURSES

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**4991, 4992. Internship in Public Administration (1,2) (F,S,SS)** 6 hours per week for 4991; 12 hours per week for 4992. May be taken concurrently. May count maximum of 6 s.h. of POLS 4501, 4502, 4521, 4522, 4981, 4982, 4991, 4992 toward POLS BS degree; may consult dept chair for waiver to count 6 s.h. toward BS degree. P: Consent of instructor. Experiential learning under academic supervision in public agency setting.

**5000. American Government and Politics (3)** May not count toward POLS major or minor or MPA degree. P: Consent of instructor. Introductory survey of readings in American national government and politics for students interested in graduate work, but who have no undergraduate background in political science or public administration.

### POLS Banked Courses

**3145. Russian Foreign Policy (3)**

**3155. National Security Policy (3)**

**3282. East Asian Political Systems (3)**

**4305. Public Administrative Theory (3)**

**4306. Intergovernmental Relations in the United States (3)**

**4307. Comparative Public Administration (3)**

**4382. Politics of Terrorism (3)**

**4384. Inter-American Politics (3)**

**5030. Seminar in American Government (3)**

**5050. Seminar in Political Participation and Behavior (3)**

**5381. Seminar in Comparative Politics (3)**

**5410. Seminar in International Relations (3)**

### PSYC: PSYCHOLOGY

**1000. Introductory Psychology (3) (F,S,SS) (GE:SO)** May receive credit for one of PSYC 1000, 1060. General survey of fundamental principles underlying human behavior. Introduction, learning, memory, development, physiological, motivation, social and abnormal behavior, and one or two additional topics as time permits.

**1060. Honors Introduction to Psychology (3) (F,S) (GE:SO)** May receive credit for one of PSYC 1000, 1060. Introduction to fundamental concepts in psychology in seminar format.

**2101. Psychological Statistics (4) (F,S,SS) (GE:SO)** 3 lecture and 2 lab hours per week. P: MATH 1065 or equivalent or MATH 2127; PSYC 1000 or 1060. Descriptive statistics. Measures of central tendency, variability, and correlation. Probability with emphasis on sampling distributions used for prediction and hypothesis testing. Selection, computation, and interpretation of parametric and nonparametric inferential statistics, including introduction to analysis of variance.

**2201. Psychology of Childhood (3) (F,S,SS) (GE:SO)** May not count toward PSYC major or minor. P: PSYC 1000 or 1060. Psychological bases of growth and development of children. Brief introduction of major theories and scientific findings and their application to learning, cognitive development, motivation, personality, and social relations (including parent-child, peers, and school relations).

**2210. Experimental Psychology (4) (WI) (F,S) (GE:SO)** P: MATH 1065 or equivalent or MATH 2127; PSYC 2101. Methods of experimentation, including problems of experimental control and data evaluation.

**2250. Selected Topics in Psychology (3) (GE:SO)** P: PSYC 1000 or 1060. Important current developments. Topics vary according to faculty preferences.

**2275. Psychology of Adjustment (3) (F,S,SS)** P: PSYC 1000 or 1060. Overall dynamic adjustive process in individuals in situations of stress, frustration, conflict, disease, disability, and other psychologically thwarting situations.

**3206. Developmental Psychology (3) (WI\*) (F,S,SS) (GE:SO)** P: PSYC 1000 or 1060. Psychological development throughout life span. Emphasis on perceptual, cognitive, social, and personality development.

**3221. Social Psychology (3) (F,S,SS) (GE:SO)** P: PSYC 1000 or 1060. Interaction of individual and society. Topics include study of basic psychological factors such as perception and motivation, which shape and reflect social influence; nature, formation, and change of attitudes; attitude measurement; conformity; role expectations; leadership and dynamics.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

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- 3225. Psychology of Learning (3) (F,S,SS) (GE:SO)** P: PSYC 1000 or 1060. Introductory survey of experimental methods, basic research, principles, and theories of learning and forgetting.
- 3226. Human Learning and Cognition (3) (F,S,SS) (GE:SO)** P: PSYC 1000 or 1060. Principles of learning. Focus on human research and cognition. Topics include attention, perception, consciousness, memory, concept learning, language, symbolic behavior, and problem solving.
- 3240. Psychology of Adolescence (3) (F,S,SS) (GE:SO)** May not count toward PSYC major or minor. P: PSYC 1000 or 1060. Nature and source of adolescent problems and behavior in Western culture in areas of physical, emotional, social, intellectual, and personality development.
- 3241. Personnel and Industrial Psychology (3) (F,S,SS) (GE:SO)** May receive credit for one of MGMT 4242, PSYC 3241. P: PSYC 1000 or 1060. Systems approach to study employee-employer relationships influencing productivity and satisfaction. Secondary emphasis on employee selection, job analysis, performance appraisal, and training. Research applied to industrial, governmental, and military organizations.
- 3290. Comparative and Evolutionary Psychology (3) (GE:SO)** P: PSYC 1000 or 1060. Examines similarities and differences among species (including humans) by relating behaviors to reproductive success and adaptation to disparate environments.
- 3300. Psychology of Personality (3) (F,S) (GE:SO)** P: PSYC 1000 or 1060. Theories of personality. Emphasis on structure, development, and dynamics.
- 3310. Introduction to Neuroscience (3) (F,S,SS) (GE:SO) Same as NEUR 3310** P: PSYC 1000 or 1060. Neuroanatomy and neurophysiology and their relationship to behavior.
- 3311. Neuropsychology (3) (F,S) (GE:SO)** P: PSYC 1000 or 1060. Clinical and cognitive neuropsychology. Basic anatomy of nervous system and neuronal physiology, cortical lesion syndromes, brain disorders affecting higher functions, and basic research on attention, laterality, language, and thought.
- 3314. Psychology of Religion (3) (GE:SO)** P: PSYC 1000 or 1060. Effects of religious doctrine upon individual's behavior, beliefs, values, attitudes, anxieties, and feelings of guilt.
- 3777. Ethnocultural Influences on the Development of the Self (3)** P: PSYC 1000 or 1060. Importance of various ethnocultural factors (gender, race, age, nationality, education, occupation, religion, geographical location, family background) which impact psychological development of self.
- 4000. Advanced General Psychology (3) (WI) (F,S,SS)** P: PSYC major; PSYC 2210; 2 courses from learning and cognition, biological bases, or general course groups. In-depth overview of psychology as a science organized around five main questions: How do humans (and, where relevant, animals) act, how do they know, how do they interact, how do they develop, and how do they differ from each other?
- 4280. History of Psychology (3) (WI)** P: PSYC major; PSYC 2210; 2 courses from learning and cognition, biological bases, or general course groups. Psychological thought from ancient Greek philosophers to present.
- 4305. Educational Psychology (3) (F,S,SS)** P: PSYC 2201 or 3206 or 3240 or equivalent. Psychological principles applied to educational settings, including learning, motivation, classroom management, and psychological assessment.
- 4333. Contingency Management in the Classroom (3) (F,S)** P: PSYC 3225 or 3226. Application of elementary principles of learning to classroom situations.
- 4335. Psychology of Women (3) (GE:SO)** P: PSYC 1000 or 1060. Psychological issues pertaining to women. Impact of sex and gender on cognitive and personality development, mental health, methodological issues in research, roles of women in psychology, and influence of feminist theories.

## SECTION 8: COURSES

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**4350. Psychology of Sexual Behavior (3)** P: 6 s.h. of PSYC to include PSYC 1000 or 1060. Research relating to psychological aspects of sexual behavior. Historical and cultural perspectives and conventional and unconventional sexual expression.

**4372. Psychology of Thinking (3)** P: PSYC 3225, 3226; or equivalent; or consent of instructor. Theory and research on complex human behavior. Focus on problem solving, conceptual behavior, memory, psycholinguistics, and creativity.

**4375. Abnormal Psychology (3) (F,S,SS) (GE:SO)** P: PSYC 1000 or 1060. Systematic appraisal of development of human deviant behavior. Examination of formation of deviancy and current diagnostic procedures.

**4401. Thesis Research (3)** P: PSYC major; PSYC 2210. Research under direction of full-time faculty member leading to preparation of written senior thesis proposal.

**4402. Senior Thesis/Project (3) (WI)** 9 lab hours per week. P: PSYC major; PSYC 4401; 2 courses from the learning and cognition, biological bases, or general course groups. Design, conduct, analyze, interpret, and write up an experiment. Conducted in lab or field setting.

**4501, 4502. Psychological Research I, II (2,2) (F,S,SS)** P: PSYC 1000 or 1060; consent of instructor and dept chair. Supervised research involving planning, conducting, and writing of behavioral study.

**4521, 4522, 4523. Readings in Psychology (1,1,1) (F,S,SS)** Application form obtained from Department of Psychology. No class meetings; performance mode and reporting to be arranged with the instructor. P: PSYC major; PSYC 1000 or 1060. Survey, review, and/or critical analysis of reading material appropriate to students' interests and needs.

**4601. Honors Research (3)** To be taken in second semester of junior year. P: PSYC 2210; admission to PSYC Honors Program. Research with full-time faculty member leading to preparation of written senior thesis proposal.

**4602. Senior Honors Thesis (3) (WI)** Satisfies departmental requirements for capstone course. Minimum of 9 hours per week. P: PSYC 4601 with minimum grade of B. Research with full-time faculty member resulting in senior thesis.

**4990, 4991, 4992. Field Experience in Psychology (1,1,1) (F,S)** May be taken concurrently. Approximately 10 hours per week for 1 s.h. credit. May count maximum of 3 s.h. field experience toward PSYC major. Additional hours may count as general electives. P: PSYC major; minimum cumulative and major 2.0 GPA; 9 s.h. in PSYC; consent of dept chair. Application of concepts and principles from related courses to applied situations in field. Lab and/or field experiences under joint supervision of field supervisor and university instructor.

**5250. Topics in Psychology (3) (WI\*)** P: Minimum of 9 s.h. in PSYC. Selected topics at advanced level. Topics vary.

**5311. Sensation and Perception (3)** P: PSYC 3310, 3311; or consent of instructor. Psychophysics and psychophysiology of various sense systems together with current theoretical approaches to perception.

**5312, 5313. Laboratory Methods in Physiological Psychology (3,0)** 1 lecture and 4 lab hours per week. P: PSYC 3310, 3311; or consent of instructor. Basic techniques, including basic surgery, stereotaxic, histological, and behavioral testing.

**5315, 5316. Behavioral Neuroscience: Literature and Laboratory Experience I (3,3)** 1-hour seminar and 8 hours lab per week. P: PSYC 2210; 3310 or 3311; consent of instructor. Recently published research in behavioral neuroscience and lab work on ongoing research project.

**5320. Behavioral Pharmacology Seminar (3)** P: PSYC 3310, 3311; or consent of instructor. Behavioral and neurophysiological effects of psychoactive drugs in experimental animals and clinical populations.

**5325. Introduction to Psychological Testing (3)** P: PSYC 1000 or 1060; a statistics course. Principles of testing, including requirements for validity, reliability, norm samples, and examples of psychological tests.

**5380. Psychology of the Exceptional Child (3)** P: PSYC 1000 or 1060. Study of children who are markedly different from the average child in physical, mental, emotional, academic, or social characteristics.

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(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P/C, or P/C

**5400. Advanced Gerontology (3)** P: PSYC 1000 or 1060; GERO 2400 or consent of instructor. Seminar on psychological research and its applications to the aged.

**5990, 5991, 5992. Field Experience in Psychology (1,1,1)** May be taken concurrently. Accepted graduate psychology students spend approximately 10 hours per week per credit hour in lab/field experiences under joint supervision of field supervisor and university instructor. May count maximum of 3 s.h. of field experience toward BA or MA PSYC requirement. Additional hours may count toward electives. P for undergraduate students: PSYC major; 9 s.h. in PSYC; minimum cumulative and PSYC major 2.0 GPA; dept consent. P for graduate students: PSYC major; minimum cumulative and major GPA of 3.0 in PSYC; dept consent. Application of concepts and principles from related courses to applied situations in the field.

### PSYC Banked Courses

**2010. Memory and Thinking (3)**

**2150. Applied Psychology (2)**

**4320, 4321. Behavioral Research (3,0)**

**5370. Mental Hygiene in Schools (2)**

### RCLS: RECREATION AND LEISURE STUDIES

**2000. Introduction to Leisure Services (3) (F,S,SS)** Introduction to profession of recreation and contemporary leisure services.

**2230. Recreational Therapy Foundations (3) (F,S)** P: RCLS 2000. Overview of therapeutic recreation profession. Historical development, service delivery models, and service settings across health care continuum. Emphasis on recreational therapy, treatment process, and outcomes of treatment services. Professional development and components of professional behavior.

**2400. Facilitation and Leadership of Adventure-Based Programs (3) (F,S)** 10 clock hours of lab. Theory, practice, and delivery of adventure programs.

**2601. Leisure in Society (3) (F,S,SS) (GE:SO)** Introduces concept of leisure from historical, socio-cultural, and individual perspectives.

**3003. Leisure Programming (3) (F,S)** P: Declared RT major or MRFS major or minor; RCLS 2000; C: RCLS 3004. Expertise in comprehensive, multi-purpose program planning. Design in recreation-serving agencies.

**3004. Leisure Programming Laboratory (1) (F,S)** 2 lab hours. P: Declared RT major or MRFS major or minor; RCLS 2000; C: RCLS 3003.

**3104. Public and Non-Profit Recreation (3) (F)** P: Declared MRFS major or minor; RCLS 3003, 3004. Role, scope, and function of public and nonprofit recreation agencies. Focus on legal foundations, fiscal, personnel, and program management.

**3110. Facility Management (3) (F)** P: Declared RCLS major or minor; RCLS 2000. Knowledge and skills necessary to supervise, develop, maintain, and operate leisure areas and facilities.

**3120. Commercial Recreation and Tourism (3) (S)** P: Declared MRFS major or minor; RCLS 2000; or consent of instructor. Nature and function of commercial recreation agencies and tourism industry. Historical development, components, management, economic impacts, and entrepreneurship.

**3131. Special Recreation (3) (F)** P: Declared MRFS major or minor; RCLS 2000 or consent of instructor. Background and understanding of special recreation, planning, and delivery of services.

**3180. Experience Preplacement Seminar (1) (S)** P: Declared MRFS major or minor; RCLS 2000. Purpose and objectives of required summer work experience, RCLS 3190. Utilization of resources to identify and obtain quality work experience.

**3190. Work Experience through Community/Commercial Recreation Agencies (2) (SS)** 180 hours of supervised work experience. P: Declared MRFS major or minor; minimum 2.0 GPA; RCLS 3003, 3004, 3018; consent of adviser. Exposure to community/commercial recreation agencies.



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**3240. Disability Survey for Recreational Therapy Services (3) (F,S)** P: Declared RT major; BIOL 2130, 2131; RCLS 2000. Etiology, symptomatology, and characteristics of disabling conditions that limit individuals independent functioning. Recreational therapy interventions essential to facilitating specific functional outcomes. Adaptive equipment, assistive devices, and programmatic considerations.

**3300. Outdoor Programming (3) (S)** P: Declared MRFS major or minor; RCLS 2000, 3003, 3004; or consent of instructor. History of outdoor programming techniques for planning, developing, and administering outdoor programs.

**4000. Research Methods and Techniques (3) (F,S)** P: Declared RT major or MRFS major or minor; RCLS 3003, 3004. Understanding, interpreting, and applying research in leisure studies.

**4002. Administration of Leisure Services (3) (F)** P: Declared MRFS major or minor; RCLS 3003, 3004. Role and scope of administrative processes and practices in leisure service agencies.

**4004. Philosophical and Current Issues in Leisure (3) (WI\*) (F,S)** P: Declared RT major or MRFS major or minor; RCLS 3003, 3004. Focus on current trends and issues in professional leisure service delivery.

**4111. Design of Parks and Recreation Facilities (3) (S)** P: Declared MRFS major or minor; RCLS 3003, 3004, 3104. Knowledge and skills necessary to design and develop recreation and park systems.

**4120. Leisure Services Marketing (3) (S)** P: Declared MRFS major or minor; RCLS 3003, 3004, 3104. Marketing process and skills needed to develop marketing plans.

**4122. Case Studies in Leisure Management (3) (F)** P: Declared MRFS major or minor; RCLS 3003, 3004, 3120. Application of management concepts and techniques to leisure service delivery systems. Case studies, research, and student projects.

**4250. Recreational Therapy Program Design (3) (F,S)** P: Declared RT major; RCLS 2230, 3003, 3004, 3240. Design process of treatment-oriented programs in RT. Various methods and systems for program delivery. Emphasis on program development and evaluation and treatment process in individual assessment, outcomes, and documentation.

**4252. Recreational Therapy Leadership and Group Dynamics (3) (F,S)** P: Declared RT major; RCLS 2230, 3003, 3004, 3240. Interpersonal and leadership skills necessary for development and maintenance of therapeutic relationships and implementation of effective therapeutic practices.

**4260. Recreational Therapy Practicum (1) (F,S)** 45 hours of supervised practical experience. P: Declared RT major; RCLS 4250, 4252. Practice in aspects of recreational therapy services.

**4262. Recreational Therapy Interventions and Techniques (3) (F,S)** P: Declared RT major; RCLS 4250, 4252. Theory and practice of intervention techniques applicable to different clientele within recreational therapy services. Development of implementation skills in intervention techniques.

**4264. Recreational Therapy Assessment, Documentation, and Evaluation (3) (F,S)** P: Declared RT major; RCLS 4250, 4252. Procedures used in RT treatment process. Emphasis on assessment and documentation process; instrument design, selection, and implementation; and reporting and use of data for treatment planning and program evaluation.

**4266. Organization and Management of Recreational Therapy Services (3) (F,S)** P: Declared RT major; RCLS 4250, 4252. Management processes for RT within health care industry. Emphasis on practical concerns related to organization of RT services. Standards of practice, accreditation, personnel supervision, fiscal management, quality improvement, marketing, and public relations.

**4700, 4701, 4702. Independent Study in Recreation (1,2,3) (F,S,SS)** 3 hours per week per 1 s.h. credit. P: RCLS 2000 or consent of instructor. Work with recreation faculty member on project directly related to recreation profession.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**4902. Internship Pre-Placement Seminar (2) (F,S)** To be taken in semester preceding RCLS 4990. P: Declared RT or MRFS major; minimum cumulative 2.0 GPA; consent of RCLS adviser. Purpose and objectives of internship experience. Utilization of resources to identify and obtain quality internship placement. Instruction related to internship academic assignments.

**4990. Recreation Internship (12) (WI) (F,S,SS)** P: Senior standing; declared RT or MRFS major; RCLS 4902; minimum cumulative 2.0 GPA; minimum grade of C in all RCLS courses; successful completion of all other degree requirements and current certification in First Aid and CPR. In-depth practical work experience with approved professional agency or business. Direct supervision of approved full-time professional.

**5100. Aquatic Facility Management (3)** Operation, maintenance, and management of aquatic facilities used for recreation, exercise, therapy, competition, education programs, and other aquatic-related programs.

**5101. Waterfront Facility Operations (3)** Principles and practices of waterfront facility management, maintenance, and operations.

**5111. Recreational Facility Management (3)** P: RCLS 3003, 3004, 3120; or consent of instructor. Principles and practices of parks and recreational facility management, maintenance, operations, and evaluation.

### **RCLS Banked Courses**

**1060. Introduction to Sailing (1)**

**2290, 2291, 2292. Work Experience With Special Populations (2,2,2)**

**2390, 2391, 2392. Work Experience through Resource Management Agencies (2,2,2)**

**2600. Outdoor Living (2)**

**3000. Group Processes in Leisure Services (2)**

**3001. Group Processes in Leisure Services Laboratory (1)**

**3202. Camping for Special Populations (2)**

**3212. Therapeutic Recreation and Leisure Services for Older Adults (3)**

**3301. Recreational Interpretation of Cultural and Natural Resources (3)**

**3302. Park Design and Management (3)**

**3303. Wild Land Recreation Management (3)**

**4100. Golf and Racquet Sports Facility Operation (4)**

**4101. Waterfront Facility Operations (3)**

**4240. Leisure Education in Therapeutic Recreation (3)**

**4601. Senior Seminar In Recreation (2)**

**5301. Advanced Interpretation (3)**

**5600. Trends and Problems in Development of Avocational Coastal and Oceanic Programs (3)**

### **READ: READING**

**0092. Remedial Reading (0)** Base for continued practice in improving reading instruction for teachers. Aids freshmen and other undergraduates whose SAT scores indicate individual difficulties in vocabulary power, comprehension, speed, and functional reading skills.

**1031. Personalized Reading for Speed and Understanding (1)** 1 classroom hour per week plus completion of individualized prescriptions. Not open to students in READ 0092. Individualized to assess and increase student's study skills, reading power, and efficiency.

**1032. Reading as a Language Process (1)** 2 classroom hours per week. May not count toward certification or degree. P: READ 0092 or 1031 or placement by testing. Language arts approach to reading improvement based on test results. Expands student's understanding of reading process and provides strategies for deepening reading comprehension.

**1033. Reading Skills for Academic Study (1)** 2 classroom hours per week. May not count toward certification or degree. P: READ 1031 or 1032 and/or placement by testing. Development of knowledge and use of specialized reading and study skills for effective study in various academic areas as indicated by test results. Functional approach for learning study strategies used in literature, social sciences, sciences, and math.

## SECTION 8: COURSES

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**1034. Reading for Appreciation and Evaluation (1)** 2 classroom meetings per week. May not count toward certification or degree. P: READ 0092, 1031, and/or placement by testing. Development of evaluative and creative reading abilities using wide variety of printed media.

**3204. Fundamentals of Reading (3) (F,S,SS)** Practicum required. P: Admission to upper division; ELEM 3250. Development of student's knowledge of total reading program, including word recognition, comprehension, whole language, developmental reading program, and strategies for teaching reading.

**3205. Diagnostic/Prescriptive Teaching of Reading (3) (F,S,SS)** P: READ 3204; C: READ 3206. Diagnosis of individuals' needs, levels of reading, and design of reading programs on basis of group and individual prescriptions.

**3206. Practicum in Diagnostic/Prescriptive Teaching of Reading (1) (F,S,SS)** P: READ 3204. Diagnostic/prescriptive instruction of child in clinical setting.

**3210. Assessment, Design, and Implementation of Elementary Classroom Reading Instruction (3) (F,S,SS)** P: READ 3204. Assessment, design, and implementation of instructional reading program in group and whole class settings at primary and intermediate levels.

**3211. Practicum in Assessment, Design, and Implementation of Elementary Classroom Reading Instruction (1) (F,S,SS)** 3 lab hours per week. P: READ 3204; C: READ 3210. Assessment, design, and implementation of reading instruction at primary and intermediate levels.

**3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)** May receive credit for one of READ 3990, 5317. P: Secondary education and designated K-12 program majors. Knowledge and skills necessary to assure continuing development of student's reading capabilities.

**4532, 4533, 4534. Problems in the Teaching of Reading (1,2,3) (F,S,SS)** May count maximum of 3 s.h. P: Consent of instructor and dept chair. Independent study of problems in teaching of reading.

**5312. Improvement of Reading Instruction (3)** May not be taken by students who have had READ 3204. Beginning reading process. Understanding of essential skills. Early detection and remediation of possible reading problems.

**5313. Reading Remediation and Practicum (3)** May not be taken by students who have completed READ 3205. P: READ 3204 or 5312. Guidance in designing reading programs on basis of individual and group presentations. Practicum experience in guiding individual and group student activities in reading instructional program.

**5316. Applied Phonics (3)** Skill in phonics as one kind of help in identifying written words. Essentials of phonics and linguistically sound approach in methodology.

**5317. Reading in the Junior and Senior High School (3)** Lecture and lab. May receive credit for only one of READ 3990, 5317. Knowledge and skills enable prospective junior high and secondary teachers to assess reading levels of students and use methods and materials in keeping with individual interests and needs. Reading capability enhanced through teaching-learning process in each content area.

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## REHB: REHABILITATION STUDIES

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**2000. Survey of Community Resources in Rehabilitation and Health Care (3) (S)** 3 lecture hours per week and 10 practicum hours per semester. May receive credit for one of HPRO 2000, REHB 2000. Roles and responsibilities of rehabilitation and health care service providers who work with individuals with disabilities. Disability issues and need for teamwork in providing services to achieve rehabilitation goals.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**2003. Alcohol and Drug Abuse: Health and Social Problem (3) (F,S)** Origins of alcohol and drug use. Toxicological effects on physical, psychological, and social behavior. Attitudes and responses to use and abuse of alcohol and drugs as derived from historical sources, cross-cultural comparisons, and studies of contemporary chemical use patterns and practices. Etiological theories of addiction. Prevalence and dysfunctional effects on the individual, public health, and social control. Prevention of alcohol and drug abuse.

**3010. Case Management in Rehabilitation (3) (WI) (S)** P: REHB major or consent of instructor. Basic principles of methodology for rehabilitation and social services. Process and ethics of rehabilitation from identification through case termination.

**4000. Interviewing Techniques for Health and Rehabilitation Settings (3) (F)** P: REHB major. Develops knowledge of interviewing in health and related settings. Patient orientation to medical procedures. Information gathering and responding to patients' concerns.

**4501, 4502, 4503. Independent Study (1,2,3) (F,S,SS)** per week meeting with instructor. May be repeated for maximum of 6 s.h. with change of topic. P: REHB major; consent of instructor. Individualized extension of course/content area of student's interest. May include selected readings, research, and field experience.

**4991. Field Practicum in Rehabilitation Studies (3) (F,S,SS)** 1 lecture and 8 lab hours per week. P: Senior standing; REHB 3010. On-site experience in community agency involved in some phase of rehabilitation process.

**4993, 4994, 4995, 4996. Rehabilitation Services Internship (3,3,3,3) (F,S,SS) Formerly REHB 4990** 450 hours of supervised clinical field experience in human service agency related to student's interest and course work preparation. P: REHB major; 2.5 GPA; REHB 3010, 4000; consent of instructor. Roles and functions of program staff who provide direct rehabilitation service.

**5000. Introduction to Rehabilitation (3)** Entire field of rehabilitation. Emphasis on rehabilitation counseling.

**5100, 5101. Occupational Analysis and Placement (3,0)** 3 classroom and 3 field lab hours per week. P for nonmajors: Consent of instructor. Occupational theory, job analysis, and placement process in vocational rehabilitation.

**5400. Introduction to Vocational Evaluation (3)** P: Graduate or senior standing; consent of instructor or dept chair. History, theory, philosophy, and definitions of vocational evaluation and assessment of individuals who are disabled or disadvantaged. Review of service delivery and self-determination models in public and private sectors. Vocational evaluation and its relationship to career development, work, and labor market. Assessment processes, instruments, and techniques in rehabilitation, education, and social service settings.

**5793. Treatment of Alcohol and Drug Addiction (3)** P: REHB 2003 or consent of instructor. Sociocultural, psychological, and physiological contributions to alcohol and major drug addictions. Etiological theories of addiction. Philosophies and modalities of treatment including family, individual, and group counseling. Vocational rehabilitation. Detoxification processes, etc. Self-help treatment philosophies. Intervention concepts and strategies; dynamics of motivation; assessment techniques; models for contemporary treatment of addiction within health care system. Roles of various professionals in treating addiction. Barriers to effective application of treatment processes.

**5795. Prevention of Alcohol and Drug Abuse (3)** P: REHB 2003 or consent of instructor. Various issues related to prevention of alcohol and drug abuse as a community health problem. Critical evaluation of various models and philosophies of prevention. Early intervention and secondary prevention models, including employee assistance programs. Exposure to ongoing prevention efforts and strategies. Barriers to prevention programs.

**5796. Contemporary Alcohol/Drug Abuse Issues (3)** P: REHB 5793 or consent of instructor. Current significant and/or controversial issues.

## SECTION 8: COURSES

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### RELI: RELIGIOUS STUDIES

**2000. Introduction to Religious Studies (3) (GE:HU)** May count toward RELI minor or general education humanities requirement. Religion as historical and cultural phenomenon, explored in its aesthetic, anthropological, ethical, historical, literary, philosophical, political, psychological, and sociological dimensions.

**2500. Study Abroad (6) (SS) (GE:HU)** Includes field experience. P: Consent of instructor or RELI program director. Religion and culture.

**3000. Motherhood of God in Asian Traditions (3) (GE:SO) Same as ANTH 3009; WOST 3000** Female representation of deities in Eastern traditions, including Hinduism, Mahayana Buddhism, and Taoism. Religious and social impact of such representation.

**3930. Directed Readings in Religious Studies (3)** May be repeated for maximum of 9 s.h. with change of topic. P: Consent of RELI director. In-depth exploration of topic chosen in consultation with directing professor.

**4500. Selected Topics in Religion (3) (F)** May be repeated for a maximum of 6 s.h. with change of topic. P: Consent of instructor or RELI program director. Selected topics with emphasis on research methods.

**5000. Religious Studies Seminar (3)** May be repeated for credit with change of topic. P: Consent of instructor or director of RELI. Interdisciplinary seminar examines selected topics.

### RONC: RADIATION ONCOLOGY

**5370. Biological Effects of Radiation (3) Same as BIOL 5370** P: BIOL 1100, 1101, 1200, 1201; or consent of instructor. Biological effects resulting from interactions of radiation and matter for scientifically and technically oriented students.

### RUSS: RUSSIAN

**1001. Russian Level I (3)** Lab work. P: No previous study of Russian or placement in RUSS 1001 by Russian placement test. First of four-course sequence. Intensive training in basic skills of writing, reading, speaking, and understanding Russian.

**1002. Russian Level II (3)** Lab work. P: RUSS 1001 or placement in 1002 by Russian placement test. Second of four-course sequence. Further intensive training in basic skills of Russian language.

**1003. Russian Level III (3)** P: RUSS 1002 or placement in 1003 by Russian placement test. Third of four-course sequence. All language skills strengthened. Introduction to texts which enhance study of Russian in cultural context.

**1004. Russian Level IV (3)** P: RUSS 1003 or placement in 1004 by Russian placement test. Fourth of four-course sequence. Emphasis on speaking and understanding written and spoken Russian.

**2220. Russian Prose of the Nineteenth Century in Translation (3) (GE:HU)** Taught in English. No knowledge of Russian required. May not satisfy a foreign language requirement. Content, structure, and ideological background of major prose works.

**2221. Russian Prose of the Twentieth Century in Translation (3) (GE:HU)** Taught in English. No knowledge of Russian required. May not satisfy a foreign language requirement. Modern Russian literature before and after Revolution to present.

### **RUSS Banked Courses**

**2120. Russian Civilization (3)**

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**SCIE: SCIENCE EDUCATION**


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**2123. Early Experiences for the Prospective Teacher (1) (F,S)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. Introduction to teaching of science.

**3100. Creativity and Inventiveness in Science (3) (S)** Theories of creativity. Creation and/or invention of product or project unique to student's academic major. Development and practice of creative abilities.

**3216. Teaching Science in the Elementary School (3) (F,S,SS)** Issues and concerns in elementary science education. Planning and teaching in field-based setting.

**3350, 3351. Descriptive Astronomy (4,0)** 3 lecture and 3 lab hours per week. Introductory astronomy for prospective teachers, liberal arts majors, and others.

**3360, 3361. Physical Meteorology (4,0)** 3 lecture and 3 lab hours per week. P: CHEM 1150; MATH 1085; PHYS 1250, 1260. Principles and concepts for understanding atmosphere and various meteorological phenomena taking place in it. Phenomena explained using basic principles of radiation, thermodynamics, statics, and buoyancy.

**3602. Investigations in Physical and Earth Science for Elementary Majors (4) (F,S,SS)** 2 1-hour lectures and 2 2-hour labs per week. Series of selected topics and investigations in physical and earth sciences. Science concepts treated in depth. Emphasis on role of investigative approach.

**3604. Investigations in Life and Environmental Science for Elementary Education Majors (4) (F,S,SS)** 2 1-hour lectures and 2 2-hour labs per week. Development of skills in utilizing living organisms and school yard environment to provide learning experiences for children.

**4000. Biological Science Practicum for Secondary Teachers (1) (F,S,SS)** 1 2-hour lab per week. P: Minimum of 16 s.h. of biology, earth science, or physical science. Aids inservice and prospective science teachers.

**4010. Earth Science Practicum for Secondary Teachers (1)** 1 2-hour lab per week. P: Minimum of 16 s.h. of biology, earth science, or physical science. Aids inservice and prospective science teachers.

**4020. Physical Science Practicum for Secondary Teachers (1)** 1 2-hour lab per week. P: Minimum of 16 s.h. of biology, earth science, or physical science. Aids inservice and prospective science teachers.

**4319. Teaching Science in the Middle Grades (3)** 10 to 12 hours of field experience per week. P: Admission to upper division; EDUC 3200; MIDG 3010, 3022; SCIE 3602, 3604; or consent of instructor; C: MIDG 4001, 4010; ENGL or HIST or MATH or MIDG 4319. Methods and techniques of teaching biological, physical, and earth sciences.

**4323. The Teaching of Science in High School (3) (WI) (F,S)** P: Admission to upper division. Methods and techniques of teaching biological, physical, and earth sciences.

**4324. Internship in Science Education (10) (F,S)** Full-time, semester-long internship. P: Admission to upper division; SCIE 4323; C: SCIE 4325. Internship under direction of master teacher and university supervisor in assigned school.

**4325. Internship Seminar: Issues in Science Education (1) (F,S)** P: Admission to upper division; C: SCIE 4324. Reflective study of issues and concerns encountered in internship experience.

**5000. Contemporary Approaches to Teaching Biological Science (3)** P: BIOL 1100, 1101, 1200, 1201; or equivalent; minimum of 16 s.h. in BIOL. Effective teaching in biology using current curricula materials. Emphasis on investigative nature of biology.

**5010. Applications of Microcomputers in Teaching Physical Science (3)** 2 1-hour lectures and 1 2-hour lab per week. Use of microcomputer to assist in teaching physical science. Topics include operation of microcomputer, review and evaluation of available software, and computer techniques to illustrate physical science concepts.

## SECTION 8: COURSES

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**5020. Applications of Microcomputers in Teaching Biological Science (3)** Use of microcomputer to assist in teaching biological science. Topics include operation of microcomputer, review and evaluation of available software, and computer techniques to illustrate biological concepts.

**5990. Apprenticeship Science (3)** Direct supervision in lab procedures by members of science staff.

### SCIE Banked Courses

**1270. Physical Science for Elementary Education Majors (3)**

**1271. Physical Science for Elementary Education Majors Laboratory (1)**

**1280. Life and Environmental Science for Elementary Education Majors (3)**

**1281. Life and Environmental Science for Elementary Education Majors Laboratory (1)**

**2110, 2111. Elements of Photography (2,0)**

**3010, 3011. Nature Photography (3,0)**

**3110, 3111. Scientific Photography (3,0)**

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### SOCI: SOCIOLOGY

**1025. Courtship and Marriage (3) (F,S,SS) (GE:SO)** Designed for freshmen. May not count toward SOCI major or minor. Critical thinking and empirical knowledge relative to affectional involvement.

**2110. Introduction to Sociology (3) (F,S,SS) (GE:SO)** Nature, concepts, and principles of sociology. Society, culture, socialization, groups, institutions and organizations, class system, social change, and social processes.

**2111. Modern Social Problems (3) (F,S,SS) (GE:SO)** P: SOCI 2110. Nature, extent, causes and consequences of social problems in America today. Methods of limiting and solving these problems.

**3213. Introduction to Quantitative Sociology (3)** P: SOCI 2110. Skills necessary to evaluate and interpret quantitative analyses frequently found in technical sociological reports.

**3215. Introduction to Qualitative Sociology (3)** P: SOCI 2110 or consent of instructor. Qualitative approaches used in sociology for data collection and analysis.

**3216. Methods of Research (3) (F,S)** P for SOCI majors: SOCI 3213; P for all other students: MATH 2228 or equivalent approved by the instructor or PSYC 2101 or SOCI 3213. Research methods and techniques employed in sociology and behavioral sciences.

**3220. Sociology of Deviant Behavior (3) (F,S,SS) (GE:SO)** P: SOCI 2110. Extent and nature of deviance. Traditional problems such as mental illness, suicide, and crime as well as less commonly considered organizational and occupational deviance.

**3222. Rural Sociology (3) (GE:SO)** P: SOCI 2110. American rural tradition and forces that modified it. Recent changes in agriculture and rural way of life. Rural problems and planning in changing society.

**3225. Urban Sociology (3) (GE:SO)** P: SOCI 2110. Urbanism as a way of life. Organization, functions, and problems of urban communities.

**3234. The Individual in Society (3) (GE:SO)** P: SOCI 2110. Symbolic interactionist theories of social interaction, socialization, and social control traced from Charles H. Cooley and George H. Mead to recent theorists.

**3235. Population Trends and Problems (3) (GE:SO)** P: SOCI 2110. Population theory, composition, dynamics, and mobility of populations and problems involved in population trends.

**3289. Community Organization (3) (S) (GE:SO)** P: SOCI 2110. Theoretical perspectives and social organization in communities of varying complexity. Theory and practices relative to problems of American communities.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

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- 3325. Sociology of Human Sexuality (3) (F) (GE:SO)** P: SOCI 2110 or consent of instructor. Human sexuality as part of social behavior and social interaction. Emphasis on sexuality as learned via social scripting.
- 3327. Introductory Medical Sociology (3) (GE:SO)** P: SOCI 2110 or consent of instructor. Social aspects of health and health-related behavior.
- 3385. History of Sociology (3) (WVI)** P: SOCI 2110. Schools of sociological thought and development of scientific sociology from Comte to present.
- 3400. Introduction to Gender and Society (3) (GE:SO)** P: SOCI 2110. Various expressions of masculinity and femininity and analysis of structure of gender inequality. Attention given to intersection of gender, race, and social class.
- 3410. Introduction to Maritime Sociology (3) (GE:SO)** P: ANTH 1000 or SOCI 2110. People in marine environment. Emphasis on interrelationship of social, economic, and technological systems.
- 3500. Economy and Society (3) (GE:SO)** P: SOCI 2110. Current state of sociological knowledge and research on economy as a social institution.
- 3600. Power and Politics in Society (3) (GE:SO)** P: SOCI 2110. Political sociology analyzing relationship of state and society. Sociological perspectives on power, politics, and the state are considered by analyzing contemporary social issues, conflicts, and political alignments.
- 4000, 4001. Selected Topics in Sociology (3)** 3 classroom and/or lab hours per week. May be repeated for maximum of 6 s.h. P: SOCI 2110; 6 s.h. of SOCI above 1999. Specialized topics and current developments.
- 4200. Advanced Techniques in Quantitative Sociology (3)** 2 lecture and 2 lab hours per week. P: DSCI 2223; SOCI 3213. Techniques of statistical analysis in applied sociology. How to select statistical methods, carry them out, and present results in technical reports. Emphasis on computer exercises using contemporary statistical software.
- 4201. Advanced Techniques in Applied Research (3) (F00)** P: SOCI 3216. Major techniques in applied research (e.g., needs assessment, process and outcome assessment, organizational analysis, client and consumer surveys, cost-benefit analysis, key informant surveys, and focus groups). Effective techniques for presenting applied research results.
- 4202. Special Topics in Applied Social Research (3)** P: Statistics or research design course; SOCI 2110. Topics vary based on current faculty applied research.
- 4320. Sociology of Law (3) (F02) (GE:SO)** P: SOCI 2110. Legal system from social perspective. Emphasis on history of legal and punishment systems and their organization, socialization of participants, and alternatives to traditional organization.
- 4322. Law and Social Change (3) (F03) (GE:SO)** P: SOCI 2110. Relationship between law and social change. In-depth analysis of social conditions leading to, and societal consequences of, such legal decisions as related to desegregation, age discrimination, abortion, euthanasia, and school prayer.
- 4325. Marriage and the Family (3) (F,S,SS) (GE:SO)** P: SOCI 2110. Family cycle, roles, and status of members in their relationships. Family and social class. Nature, causes, and consequences of family problems and methods of adjustment.
- 4330. Criminology (3) (GE:SO)** P: SOCI 2110. Nature, extent, causes, and methods of treatment and prevention of crime and delinquency.
- 4337. Principles of Sociology (3) (S) (GE:SO)** May not count toward SOCI major. Intensive study of basic sociological concepts and their applications to understanding modern society.
- 4341. Sociology of Religion (3) (S) (GE:SO)** P: SOCI 2110. Mutual effects of religion and society on each other in ongoing social system. Focus on founded religions in literate societies.
- 4345. Racial and Cultural Minorities (3) (S) (GE:SO)** P: ANTH 1000 or SOCI 2110. Origin and present status of American minorities, sources and consequences of prejudice and discrimination, and goals and strategies of change in race and ethnic relations.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science



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**4347. Social Inequality (3) (F) (GE:SO)** P: SOCI 2110. Stratification systems of various societies. Emphasis on concepts and theories relative to American communities.

**4350. Social Change (3) (GE:SO)** P: SOCI 2110. Theoretical perspectives and cross-cultural analyses of social change in developed and developing societies and resulting consequences.

**4385. Theoretical Perspectives and Applications (3) (WI)** P: SOCI 2110. History and nature of sociological theory reviewed and applied to selected social problems and social issues.

**4500. Work and Organizations (3) (S) (GE:SO)** P: SOCI 2110. Contemporary problems in work and organizational settings examined from sociological perspective.

**4521, 4522, 4523. Readings in Sociology (1,2,3) (F,S,SS)** May be repeated for maximum of 9 s.h. May count maximum of 9 s.h. of readings in SOCI and from practicum in SOCI (SOCI 4950, 4951, 4952) toward the BA in SOCI major or minor. P: Consent of instructor and dept chair. Extensive or selected readings taken from modern sociological research monographs or in specialized areas of sociology in which student has taken one or more courses.

**4550, 4551. Honors (3,3) (F,S)** To be taken in succession. No grade or credit recorded until second course is completed. P: Senior SOCI major; admission to Sociology Honors Program. Reading, research, or service program resulting in writing of honors paper.

**4800. Senior Seminar (3) (WI) (F,S)** P: SOCI major; SOCI 3216; 3385 or 4385. Integration of sociological knowledge and analysis of meaning of current sociological issues to develop sociological perspectives and better understand career choices.

**4950, 4951, 4952. Practicum in Sociology (3,3,3)** 140 work and academic hours per semester for 3 s.h. credit. Practicum must be arranged at least 30 days before term begins. May be taken concurrently for a maximum of 9 s.h. P: SOCI major; 27 s.h. in SOCI with a minimum grade of C in each course; consent of dept chair, practicum coordinator, and faculty member who will supervise the practicum. Supervised internship in area of applied sociology. Practical experience in research or agency work. Parallel readings and study. Emphasis on guided application of concepts and principles from related courses and structured readings to applied situations.

**5100. Seminar in Social Inequality and Diversity (3)** P for undergraduates: SOCI 2110 and consent of instructor; P for graduate students: Graduate standing in SOCI or consent of instructor. Critical examination of theory and research on stratification. Consequences for industrial and nonindustrial societies. Emphasis on method and design for analysis.

**5200. Seminar in the Sociology of Health (3)** P: SOCI 2110 or consent of instructor. Individual as health care consumer. Social factors affecting distribution of disease in population, socio-political structure of health care services in US, and health care system from perspective of various health care providers.

**5300. Seminar in Juvenile Delinquency (3)** P: SOCI 2110 or consent of instructor. Juvenile delinquency as a socio-legal phenomenon. Special attention to theoretical and methodological issues in study of delinquency, consequences of and societal responses to delinquency, and prediction and intervention techniques.

**5318. Social Aspects of Death and Dying (3)** P: SOCI 2110 or consent of instructor. Sociological perspective. Focus on organizational aspects of death and dying as process and status.

**5335. Sociology of Marriage Problems (3)** For students planning to work in marriage counseling. P: SOCI 2110; consent of instructor. Advanced study of nature, causes, consequences, and treatment of marriage problems. Supervised individual experience in sociological and counseling techniques.

**5400. Seminar in Gender Roles (3)** P for undergraduates: SOCI 2110 and consent of instructor; P for graduate students: SOCI 2110 or graduate standing or consent of instructor. Origins of gender roles and gender stratification. Personal, interpersonal, and social consequences of gender. Alternatives to traditional gender relations.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P/C, or P/C

**5500. Seminar in Population (3)** P for undergraduates: SOCI 2110 and consent of instructor; P for graduate students: SOCI 3222 or 3225 or 3235 or consent of instructor. Intensive study of substantive theory, methods of population analysis, and select problems of population dynamics, communities, and regions.

**5600. Seminar in Aging (3)** P: SOCI 2111 or consent of instructor. Places experience of aging in a social context. Begins with examination of aging from demographic and entitlement perspectives and concludes with application of sociological theory to changing self definition accompanying age-related functional decline.

**5700. Seminar in Social Interaction (3)** P for undergraduates: SOCI 2110 and consent of instructor; P for graduate students: SOCI 2110 or graduate standing. Empirical research on interaction in small groups and relations between group structure and personality. Emphasis on micro-sociological research methods and results.

**5800. Seminar in the Family (3)** P for undergraduates: SOCI 2110 and consent of instructor; P for graduate students: SOCI 2110 or graduate standing or consent of instructor. Sociological theories, methods, and applications involving family and social policies. Emphasis on comparative and social historical perspectives for understanding family in social context and change.

**5900. Special Topics Seminar (3)** P for undergraduates: SOCI 2110 and consent of instructor; P for graduate students: SOCI 2110 or graduate standing or consent of instructor. Selected advanced topics in sociology vary depending on student interest and current issues.

### SOCI Banked Courses

**2125. The Sociology of Parenthood (3)**

**3214. Introduction to Quantitative Sociology (0)**

**3280. Industrial Sociology (3)**

**3285. Social Thought Before Comte (3)**

**3429. Sociology of Formal Organizations (3)**

**4960. Practicum Seminar (3)**

**5311. Contemporary Social Problems (3)**

**5314. Sociological Concepts (3)**

### SOCW: SOCIAL WORK

**1010. Introduction to Social Welfare and Social Work (3) (F,S,SS)** Historical and philosophical overview of development of social work profession and social welfare institutions.

**2010. Introduction to Social Work Practice with Special Populations (3) (F,S,SS)** P: SOCW 1010. Dynamics of human diversity as it affects, informs, and shapes social work practice and fosters an awareness and appreciation for diverse and special populations.

**2400. Introduction to Gerontology (3) (F,S) (GE:SO) Same as CDFR 2400; GERO 2400** May count toward general education social sciences requirement and the SOCI major or minor. Current theory and research in gerontology from an interdisciplinary perspective.

**3101. Human Behavior and the Social Environment I (3) (F,S)** P for SOCW majors: SOCW 2010; P for others: Consent of program chair; C for SOCW major: SOCW 3201. Concepts, theories, and frameworks which guide understanding of human behavior in various social environments.

**3201. Social Work Practice I (3) (F,S)** P: SOCW major. Preparation for generalist practice in social work. Emphasis on generalist problem-solving process and development of interviewing and intervention skills with individuals.

**3202. Social Work Practice II (3) (F,S)** P: SOCW 3201. Continuation of preparation for generalist social work practice and problem-solving process. Emphasis on intervention with small groups and families. Introduces case management skills.

**3301. Social Work Policy I (3) (F,S)** P: SOCW 2010 or consent of program chair. Social welfare as social system. Social welfare concepts, policy and organization. Emphasis on programming in relation to social needs, social problems, and social goals.

## SECTION 8: COURSES

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**3302. Social Work Policy II (3) (F,S)** P: SOCW major or consent of program chair. Selected social legislation which may determine policy for general welfare. Prelegislative and legislative development and major provisions of laws. Interpretation of laws examined from perspective of significant court opinions related to constitutional rights of such groups as children, welfare clients, mental patients, juvenile offenders, and persons charged with and convicted of crime.

**3401. Social Work Research and Statistics (3) (WI) (F,S)** 2 lecture and 2 lab hours per week. P: SOCW major or consent of program chair. Research methods and statistics used by social workers as part of social work practice. Knowledge and skills necessary for critical review of research of others and basic statistical analysis.

**4102. Human Behavior and the Social Environment II (3)** May receive credit for one of SOCW 4102, 5001. P: SOCW 3101; C: SOCW 4203. Advanced theoretical knowledge for generalist social work practice. Sensitivity to human diversity and need for self awareness in selection and application of theory in practice.

**4203. Social Work Practice III (3)** P: SOCW 3202; C: SOCW 4102. Advanced use of problem-solving process for generalist social work practice. Knowledge and skills used in organizational, agency and community interventions.

**4303. Social Work Policy III (3) (F,S)** P: SOCW 3301, 3302. Social worker in policy-making process. Impact on worker, service delivery, and consumers. Effects of administration and social policy on families, agencies, and professional organizations.

**4400, 4401, 4402, 4403, 4404, 4405. Independent Study (1 each) (F,S,SS)** Faculty conferences arranged by student-faculty contracts for program approved by dean. P: Consent of dept chair. Selected readings, research, or studies related to social welfare.

**4501. Crisis Intervention (3) (F,S)** P: SOCW major or consent of program chair. Recognition and appropriate intervention in crisis situation.

**4503. Social Work Services in Schools (3) (F,S,SS)** P: SOCW major or consent of program chair. Introduction and orientation to social work practice in school settings.

**4504. Ethics in Social Work Practice (2)** P: SOCW major or consent of program chair. Values and ethics. Emphasis on ethical decision making and resolution of ethical dilemmas.

**4505. Community Services for Children (3)** 3 hours per week with field trips to various community service agencies for children recommended. P: SOCW major or consent of program chair. Primary resources for children and their families. Emphasis on characteristics of families and children who may need help, adequacies and inadequacies of community resources, and families and communities as social systems.

**4510. Selected Topics in Human Behavior and the Social Environment (2 or 3)** May be repeated for credit with change of topic. P: SOCW major or consent of program chair. New or advanced topics in field.

**4520. Selected Topics in Social Work Practice (2 or 3)** May be repeated for credit with change of topic. P: SOCW major or consent of program chair. New or advanced topics in field.

**4530. Selected Topics in Social Work Policy (2 or 3)** May be repeated for credit with change of topic. P: SOCW major or consent of program chair. New or advanced topics in field.

**4540. Selected Topics in Social Work Research (2 or 3)** May be repeated for credit with change of topic. P: SOCW major or consent of program chair. New or advanced topics in field.

**4990. Field Education and Seminar (12) (WI) (F,S)** 3 seminar hours per week; 4 days directed field education per week. Applications for admission to this course must be received 2 semesters in advance of placement. P: SOCW major with minimum 2.5 GPA and approval of field education office; completion of all required SOCW courses. Culmination of student's undergraduate preparation for professional practice. Placement in approved agency provides supervised educational experience. Weekly seminar integrates theory and practice.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P/C, or P/C

**5001. Human Behavior and Social Environment for the Human Service Professions (3)** May receive credit for one of SOCW 4800, 5001. P: Consent of dean and graduate standing. Development of social systems concept of bio-psycho-social elements of man's being. Emphasis on deeper self-awareness of one's own behavior, attitudes, beliefs, and values as related to professional practice.

**5007. Women as Clients (3)** Issues and corrective measures to counteract gender bias in delivery of human services. Strengths and vulnerabilities of women as clients.

**5008. Supervision in Social Welfare Agencies (3)** P: Consent of dean. Role of supervision in social welfare system and functions it performs. Process of supervising and problems and issues concerning supervisor. Emphasis on supervision of social work and criminal justice students who are in field placement, beginning supervisors, and supervisors of beginning workers.

**5011. Perspectives on Death and Dying (3) Same as GERO 5011; NURS 5011** P: Admission to Graduate School or consent of instructor. Conditions and problems associated with facing death, dying, and survivorship. Awareness of values and attitudes as related to professional practice.

**5400. Seminar in Aging Studies (3) Same as CDFR 5400; GERO 5400** Entry point for graduate certificate in gerontology; exit course for undergraduate minor in gerontology. P: Consent of instructor. Topics include historical perspective on aging issues, normal aging and pathology, aging program administration, aging policy development, research in gerontology, rural aging, and aging and ethnicity.

**5900. Foundations of Social Work and Social Welfare (2)** P: Graduate standing SOCW. Introduction to social work profession. Problem-solving model as applied to continuum of practice at all levels.

**5901, 5902, 5903. Readings in Aging Studies (1,2, or 3) Same as CDFR 5901, 5902, 5903; GERO 5901, 5902, 5903** May count maximum of 3 s.h. toward baccalaureate minor in gerontology or graduate certificate in gerontology. P: Consent of instructor and chair of instructor's home unit. Selected from monographs or journals. Focus on specialized areas in which student has taken one or more courses in either baccalaureate gerontology minor or graduate gerontology certificate.

**5910. Foundation Skills in Social Work Practice (4)** P: Graduate standing in SOCW. Basic practice skills. Foundation for internship preparation.

**5920. Social Welfare Policy (3)** P: Graduate standing or consent of dean. Historical development and current status of social welfare policies and programs.

**5940. Research Methodology for Social Workers (3)** P: Graduate standing or consent of dean. Evaluation of published social work research. Interpretation of research articles which employ common statistical measures and identify basic limitations of research methodology. Research methods used by social workers in practice. Defines research and the ethical issues in conducting research.

### SOCW Banked Courses

**4991, 4992. Field Education and Seminar (5,5)**  
**5000. Organization and Management of Social Service Agencies (3)**  
**5003. Processes of Group Intervention (3)**

**5005. Community Programming and Development in Social Welfare (3)**  
**5006. Planning within Social Welfare Agencies and Institutions (3)**

### SPAN: SPANISH

**1001. Spanish Level I (3)** Lab work. Recommended early in college career for BA students and potential SPAN majors and minors. First of four-course sequence. Focus on basic skills of listening, speaking, reading, and writing Spanish. Emphasis on life and culture of Spanish-speaking world.

**1002. Spanish Level II (3)** Lab work. Recommended early in college career for BA student and potential SPAN majors and minors. P: SPAN 1001 or equivalent or placement by Spanish. placement test. Second of four-course sequence. Increased exposure to and command over basic skills of listening, speaking, reading, and writing Spanish. Fosters understanding of Hispanic cultures.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**1003. Spanish Level III (3)** Lab work. Recommended early in college career for BA students and potential SPAN majors and minors. P: SPAN 1002 or equivalent or placement by Spanish placement test. Third of four-course sequence. Further refinement of command over basic skills of listening, speaking, reading, and writing Spanish. Fosters understanding of Hispanic cultures.

**1004. Spanish Level IV (3)** Recommended early in college career for BA students, and potential SPAN majors and minors. P: SPAN 1003 or equivalent or placement by Spanish placement test. Fourth of four-course sequence. Further refinement of command over basic skills of listening, speaking, reading, and writing Spanish. Readings further acquaint student with life, literature, and cultures of Hispanic world.

**1220. Conversational Spanish Practiced in a Spanish-Speaking Country (3)** P: Consent of dept chair. Practice in formal classroom situation and in Spanish-speaking country. Exception to classroom requirement would be Spanish language program approved by dept chair.

**1440. Spanish Culture Experienced in a Spanish-Speaking Country (2)** 3 months' residence in Spanish-speaking country. Culture (social customs, the fine arts, architecture, historical and political influences) of Spanish-speaking country experienced in the country.

**2110. Cultural Readings in Spanish (3)** P: SPAN 1004 or consent of dept chair. Further development of language proficiency and cultural appreciation through study of selected works of literature (including childrens literature), film, and fine arts.

**2117. Spanish for Professions (3)** P: SPAN 1004 or consent of dept chair. Introduction to vocabulary and cultural concepts necessary to communicate and function effectively in Spanish-speaking professional world. Fields may include but are not limited to business, criminal justice, health sciences, and social sciences.

**2222. Intermediate Spanish Conversation (3)** For students with limited experience in Spanish-speaking environments. P: SPAN 1004 or consent of dept chair; RC: SPAN 2330. Development of oral communication skills. Emphasis on use of language in everyday situations, vocabulary growth, listening comprehension, and correctness in grammar.

**2330. Intermediate Spanish Composition and Review of Grammar (3) (WI)** P: SPAN 1004 or consent of dept chair; RC: SPAN 2222. Intensive practice in task-oriented compositions and comprehensive review of grammatical forms and usage. Emphasis on vocabulary development.

**2440. Spanish Culture and Civilization (3) (WI\*)** P: SPAN 2222 or 2330 or consent of dept chair. Readings, films, and discussion about artistic, political, historical, and social development of Spain and its geography and regional diversity.

**2441. Latin-American Culture and Civilization (3)** P: SPAN 2222 or 2330 or consent of dept chair. Overview and contrastive study of geography, history, social and political structures, currents of thought, and artistic expressions of Latin America which contribute to contemporary life.

**2550. Approaches to the Study of Hispanic Literature (3) (GE:HU)** P: SPAN 2222 or 2330 or consent of dept chair. Interpretation of Spanish literature. Relevant terminology and its application to representative Spanish and Spanish-American prose, poetry, and drama.

**2611. Early Experiences for the Prospective Teacher (1)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. May not count toward BA major or minor. Introduction to teaching Spanish.

**2700. Special Topics in Hispanic Studies (3)** May be repeated for maximum of 6 s.h. with change of topic. P: SPAN 1004 or consent of dept chair. Selected topics relating to language, literature, culture, or civilization of Spain or Latin America.

**3220. Advanced Oral Communication Through Multimedia (3)** P: SPAN 2222 or consent of dept chair. Advanced practice in spoken Spanish. Emphasis on topics of current interest. Use of material available through newspapers, magazines, films, radio and television broadcasts, software, and the world wide web.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**3225. Spanish Phonetics (3)** Lab work. P: SPAN 2222, 2330; or consent of dept chair. Physiology of phonetics applied to Spanish language. Sound system of Spanish contrasted with English. Introduction to various dialects. Emphasis on improving pronunciation. Phonetic transcription.

**3330. Advanced Composition (3) (WI)** P: SPAN 2222 or 3220; 2330. Refinement of Spanish writing skills through exercises which enhance control of grammar, expand vocabulary, and promote greater awareness of rhetoric, critical reading, and revising.

**3335. Structure of the Spanish Language (3)** P: SPAN 3330 or consent of dept chair. Contemporary linguistic theory and its practical application to teaching of syntactic and semantic components of Spanish. Contrasts structures of Spanish and English.

**3340. Introduction to Translation (3)** P: SPAN 3330 or consent of dept chair; RC: SPAN 3335. History, theory and techniques of translation. Intense practice in Spanish-English and English-Spanish translations. Short prose texts from areas of general knowledge, such as those dealing with cultural information and current events.

**3700. Special Topics in Hispanic Studies (3)** May be repeated for maximum of 6 s.h. with change of topic. P: SPAN 2222 or 3220; 2330; or consent of dept chair. Selected topics relating to language, literature, culture, or civilization of Spain or Latin America.

**4340. Intermediate Translation (3)** P: SPAN 3335, 3340; or consent of dept chair. Further practice in Spanish-English and English-Spanish translation. Longer texts from areas of general knowledge. Introduction to translation of specialized material (such as business, medical and legal documents, and literary texts). Study of related lexical and stylistic

**4555. Medieval Spain (900-1499) (3) (WI) (GE:HU)** P: SPAN 2440, 2550; or consent of dept chair. Selected texts of Medieval Spain from primitive lyric to *La Celestina* examined against background of cultural, social, and historical transformations of Spanish Middle Ages.

**4556. Renaissance and Baroque Spain (1500-1681) (3) (GE:HU)** P: SPAN 2440, 2550; or consent of dept chair. Reading and discussion of representative works from drama, poetry, and prose of great literary figures of Renaissance and Golden Age (such as Garcilaso de la Vega, the Mystics, Cervantes, Lope de Vega, Calderon de la Barca, Gongora). Cultural, social, and political factors that influenced their development.

**4557. Spain from Neo-Classicism to Realism (1681-1898) (3) (GE:HU)** P: SPAN 2440, 2550; or consent of dept chair. Selected texts from Spain from Neoclassic Period to end of nineteenth century. Emphasis on social, political, and cultural context.

**4558. Contemporary Spain (1898-Present) (3) (GE:HU)** P: SPAN 2440, 2550; or consent of dept chair. Selected texts of contemporary Spain analyzed in social, political, and cultural contexts of monarch, republic, dictatorship, and democracy.

**4560. Major Latin-American Authors (3) (GE:HU)** P: SPAN 2441, 2550; or consent of dept chair. Evolution of Latin-American literature from period of discovery to present. Readings and discussion of representative writers, movements, and genres within context of political, social, historical, and artistic realities.

**4561. Latin-American Texts of the Pre-Columbian and Colonial Periods (3) (GE:HU)** P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560. Development of Latin-American literature and culture through analysis of representative texts from late Pre-Columbian times through Colonial Period.

**4562. Latin-American Texts of the Nineteenth and Early Twentieth Centuries (3) (GE:HU)** P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560. Representative literary works and reappraisal of critical problems and themes within aesthetic framework of movements of Neoclassicism, Romanticism, Realism, Naturalism, Modernism, and the Avantgarde, and within political, social, and economic realities of period from Independence to early twentieth century.

**4563. Latin-American Texts: The Boom and Beyond (3) (GE:HU)** P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560. Major Latin-American writers from mid-twentieth century to present.

## SECTION 8: COURSES

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**4611. Teaching Second Languages in Grades K-12 (5)** 5 lectures per week and approximately 60 hours of field experience per semester. May not be used to fulfill requirements for BA major or minor. P: 18 s.h. of SPAN above 1004 or consent of dept chair. Modern methodologies, techniques and strategies, instructional resources, and evaluation procedures.

**4700. Special Topics in Hispanic Studies (3)** May be repeated for maximum of 6 s.h. with change of topic. P: Consent of dept chair. Selected topics relating to language, literature, culture, or civilization of Spain or Latin America.

**4880. Internship in Spanish (10)** Full-time, semester-long internship. P: Admission to upper division; SPAN 2110, 2440, 2441, 3225, 3330; 15 s.h. in SPAN above 2999, including 9 s.h. in SPAN 4555, 4556, 4557, 4558, 4560, 4561, 4562, 4563, with a minimum of 3 s.h. in SPAN 4555, 4556, 4557, 4558 and 3 s.h. in SPAN 4560, 4561, 4562, 4563. Observation and supervised internship in an assigned Spanish K-12 public school classroom.

**4881. Internship Seminar: Issues in Spanish Teaching (1)** P: Admission to upper division; C: SPAN 4880. Individualized study of problems or issues related to teaching Spanish.

**4882, 4883, 4884. Internship for Professions (1,1,1) (F,S,SS)** Supervised internship in appropriate professional setting during junior or senior year of the Hispanic studies degree program. P: Consent of dept chair. Fields may include but are not limited to business, criminal justice, health sciences, and social sciences.

**4950, 4951, 4952, 4953, 4954. Directed Readings in Spanish (1 each)** P: Consent of dept chair. Indepth exploration of selected topics relating to language, literature, culture, or civilization of Spain or Latin America.

**4990. Honors (3)** P: Minimum 3.5 GPA in SPAN. Independent study of selected aspect of Spanish culture under direction of faculty member in student's major area of interest.

**5340. Advanced Translation I (3)** P: SPAN 4340. Practice of translation skills with greater variety of style and subject matter.

**5440. Contemporary Issues of the Hispanic World (3)** May be repeated for maximum of 6 s.h. with change of topic. P: Consent of dept chair. Selected events, artistic trends, and currents of thought that significantly contribute to life in contemporary Hispanic societies.

**5445. Hispanic Cinema (3)** May be repeated for maximum of 6 s.h. with change of topic. P: Consent of dept chair. Films as cultural product reflecting social, political, and economic realities. Power to represent, inform, and create. Viewed and discussed by representative directors.

**5550. Hispanic Women Writers (3)** May be repeated for maximum of 6 s.h. with change of topic. May not be repeated for credit by students in WOST program. P: Consent of dept chair. Indepth study and discussion of representative writings by women in Hispanic countries from variety of genres. Emphasis on relationships between society and origin, content, and form of texts.

**5700. Special Topics in Hispanic Studies (3)** May be repeated for maximum of 6 s.h. with change of topic. P: Consent of dept chair. Topics relating to language, literature, culture, or civilization of Spain or Latin America.

**5940. Advanced Translation II (3)** Candidates who successfully complete this course may be allowed to take qualifying exams for award of the Certificate in Spanish Translation. P: SPAN 5340. Continuation of skills practiced in SPAN 4340, 5340 at advanced level. Translation of written texts in variety of styles and different topics, from Spanish into English and vice versa.

### SPAN Banked Courses

**1060. Spanish for Reading Knowledge (0)**

**3005. Spanish Business Communication (3)**

**3006. Spanish for International Business (3)**

**3290. Spanish Poetry (3)**

**4319. Teaching Foreign Languages in the Middle Grades (3)**

**4350. The Spanish Novel (3)**

**4360. Spanish Theatre (3)**

**4385. History of the Spanish Language (3)**

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

## **SPED: SPECIAL EDUCATION**

**2000. Introduction to Exceptional Children (2) (F,S,SS)** Incidence, causes, education, and rehabilitation of exceptional children.

**2102. Introduction to Mental Retardation (3) (F,S,SS)** Comprehensive survey of mental retardation. Emphasis on etiology, characteristics, diagnosis, institutionalization, social and family relationship, multicultural education, and historical aspects of mental retardation.

**2103. Introduction to Learning Disabilities (3) (F,S,SS)** 3 lecture and 1 lab/studio hours per week. P: SPED 2000. Comprehensive survey of learning disabilities. Emphasis on characteristics, theoretical explanations and models, assessment, and placement alternatives.

**2104. Introduction to Behavior Disorders (3)** P: SPED 2000. Comprehensive survey of behavior disorders. Emphasis on characteristics, theoretical explanations and models, assessments, and placement alternatives.

**2123. Early Experiences for Prospective Teachers (1) (F,S)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. C: SPED 2000. Introduction to teaching of exceptional children.

**3000. Instructional Programming in Special Education (3) (F,SS)** Knowledge and skills fundamental to effective teaching of learners who have disabilities. Emphasis on assessment, instructional planning, classroom management, and program evaluation.

**3210. Instructional Programming in Mental Retardation (3) (S,SS)** P: Admission to upper division; SPED 2102, 3000; C: SPED 3211. Design and delivery of instructional programs for persons who have mild to moderate mental retardation.

**3211. Practicum in Mental Retardation (2) (F,S)** Minimum of 20 hours of directed observation and planned participation with persons who have mild to moderate mental retardation in an appropriate school environment. Must be taken semester prior to internship in special education. P: SPED 3210.

**3310. Instructional Programming in Learning Disabilities (3) (S,SS)** P: Admission to upper division; SPED 2103, 3000; C: SPED 3311. Design and delivery of instructional programs for persons who have learning disabilities.

**3311. Practicum in Learning Disabilities (2) (F,S)** Minimum of 20 hours of directed observation and planned participation with persons who have learning disabilities in an appropriate school environment. Must be taken semester prior to internship in special education. P: SPED 3310.

**3410. Instructional Programming in Behavior Disorders (3) (S,SS)** P: Admission to upper division; SPED 2104, 3000; C: SPED 3411. Design and delivery of instructional programs and management interventions for persons who have behavior disorders.

**3411. Practicum in Behavior Disorders (2)** Minimum of 20 hours of directed observation and planned participation with persons who have behavior disorders in an appropriate school environment. Must be taken semester prior to internship in special education. P: SPED 3410.

**3510. Methods in Early Childhood Special Education (3) (S)** P: Admission to upper division; SPED 3000; C: SPED 3511. Assessment, classroom organization, interagency collaboration, family consultation, inclusion, and educational plan development for meeting needs of preschool children with disabilities and their families.

**3511. Practicum in Early Childhood Special Education (1) (S)** Minimum of 30 hours of directed observation and planned participation in an appropriate school environment with preschool children who have disabilities. C: SPED 3510.

**4000. Technology in Special Education (3) (F,S,SS)** 3 lecture and 2 lab hours per week. P: SPED 2000. Introduction to specialized hardware and software. Variety of adaptive and assistive devices, computer adaptations and peripherals, special educational instructional and productivity software, and issues related to each.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science



## SECTION 8: COURSES

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**4010. Exceptional Students in the Regular Classroom (2) (F,S)** 2 lecture and 1 lab hours per week. RP: SPED 2000. Knowledge and skills fundamental to effective teaching of individuals with exceptionalities in the regular classroom. Emphasis on individualization, content modification, instructional techniques, and classroom management.

**4302. Education and Retardation (2)** P: Consent of instructor. Basic information about educational programs for persons who have mental retardation. Emphasis on curriculum development and special programs in public school and institutional settings.

**4324. Internship in Special Education (10) (F,S)** Full-time, semester-long internship. P: Admission to upper division; SPED 3000, 4000. Observation and teaching in assigned special education public school classroom.

**4352. Seminar in Mental Retardation (2)** C: SPED 4324. Integration of theory, research, ethics, and legislation related to teaching persons who have mental retardation. Emphasis on effective teaching and reflective thinking skills.

**4353. Seminar in Learning Disabilities (2)** C: SPED 4324. Integration of theory, research, ethics, and legislation related to teaching persons who have learning disabilities. Emphasis on effective teaching and reflective thinking skills.

**4354. Seminar in Behaviorally Emotionally Handicapped (2)** C: SPED 4324. Integration of theory, research, ethics, and legislation related to teaching persons who have behavior disorders. Emphasis on effective teaching and reflective thinking skills.

**5101. Introduction to Exceptional Children (3)** Incidence, nature, causes, rehabilitation, and education of exceptional children.

**5102. Perspectives in Mental Retardation (3)** Incidence, nature, causes, and education of students who have mental retardation.

**5301. Tests and Measurements in Special Education (3)** P: Consent of instructor. Basic testing theory in terms of exceptional children.

**5501, 5502. Minor Problems in Special Education (3,3) (5501:WI)** Each may be repeated for maximum of 6 s.h. P: Consent of instructor. Conference, library, or lab work in area of special education.

### SPED Banked Courses

**4301. Remedial Reading for Handicapped Children (2)**

## THEA: THEATRE ARTS

**1000. Introduction to Theatre (2) (F,S,SS) (GE:FA)** For non-theatre arts majors. Audience's appreciation of art of playwright, actor, director, and designer.

**1010. Introduction to Acting I (3) (F,S,SS) (GE:FA)** Acting through use of exercises and improvisational techniques.

**1020. Introduction to Acting II (3) (SS)** P: THEA 1010. Acting through use of exercises, improvisations, and scenes.

**2001. Stage Scenery I (3) (GE:FA)** Lectures and mandatory participation in construction and running crews on dept productions. Backstage organization and basic scenery production methods.

**2002. Stage Scenery II (3) (GE:FA)** Lectures and mandatory participation in construction and running crews on dept productions. P: THEA 2001. Backstage organization and basic scenery production methods.

**2003. Scene Painting (3) (S) (GE:FA)** 4 hours per week. P: THEA 2001, 2002. Scene painting techniques and materials.

**2006, 2007. The Art of Make-up and Make-up Laboratory (1,1)** To be taken concurrently. P: THEA major. Materials and techniques involved in art of stage make-up.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

- 2009. Decor and Ornament for the Stage (3) (F) (GE:FA)** Decorative modes in Western civilization from Renaissance to present.
- 2010. Professional Acting Technique I (3) (F)** Scene work and auditions for dept productions required. 6 hours per week. P: Audition and faculty jury; THEA 1020. Introduces reality of doing, repetition exercise, adjustment with fellow actor, independent activity, justification, and simple objectives. Frees impulses of young actor within structure of improvisational exercise.
- 2015. Voice and Articulation (3) (F,S,SS)** P: Intended DNCE or THEA major. Development of personal and professional speech effectiveness.
- 2016. Vocal Production for the Actor (3) (F)** P: Professional acting and musical theatre major; THEA 2015; or consent of instructor. Exercises improve and develop actor's voice.
- 2017. Movement for Actors (3) (F,S)** May not count toward general education fine arts requirement. P: THEA 1020. Movement study and exercises. Emphasis on integration of physical action and emotional response.
- 2020. Professional Acting Technique II (3)** Scene work and auditions for department productions are required. 6 hours per week. P: THEA 2010. Beginning work with daydream and incorporation of emotional preparation into repetition exercise. Personalizing imaginary circumstances and introduction to relationship. Sustains young actor with true inner life from moment to unanticipated moment.
- 2035. Theatre History-Literature I (3) (WI\*) (F-03) (GE:FA)** Integrated study of developments in theatre production and style. Dramatic literature from Ancient Greece to fifteenth century
- 2123. Early Experiences for the Prospective Teacher (1)** For prospective teachers. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 8 hours of seminar class instruction in the teaching area. May not count toward a BA major or minor. Introduction to teaching of theatre arts.
- 3000, 3001. Special Theatre Projects (1,1) (F,S,SS)** May not be taken concurrently with THEA 2001 or 2002. P: Consent of instructor. Various areas of theatre production and performance supervised by faculty.
- 3002. Advanced Theatrical Drafting (3)** P: THEA 2002 or consent of instructor. Techniques and tools with primary focus on computer-aided drafting.
- 3003. Stage Lighting (3)** P: Consent of instructor. Theory and practice of methods of stage lighting.
- 3004. Scenery Design I (3)** P: THEA 2002 or consent of instructor. Principles of scenery design for production.
- 3005. Scenery Design II (3) (S)** P: THEA 3004. Further development of design responses and rendering ability.
- 3007. Costume Design (3) (GE:FA)** 3 lecture and 2 lab hours per week. Principles and process of stage costume design.
- 3008. Advanced Costume Design (3) (S)** 6 studio hours per week. P: THEA 3007 or consent of instructor. Design process through design phase. Emphasis on character development and rendering skills.
- 3010. Professional Acting Technique III (3)** Scene work and auditions for dept productions required. 6 hours per week. P: THEA 2020. Interpretation with emotional colors of previous work. Introduction to character idea and characterization work through a physical impediment. Organizes and synchronizes student to role.
- 3015. Oral Interpretation (3) (F)** P: THEA 2015 or consent of instructor. Reading of prose, narrative, dialogue, and poetry to audience.
- 3020. Professional Acting Technique IV (3) (S)** Scene work and auditions for dept productions required. 6 hours per week. P: THEA 3010. Monologue work. Text work includes actions, beats, paraphrasing, phrasing, particularizations, and justification. Play reality of action from consistent and meaningful point of view.
- 3025. Intermediate Voice and Articulation (3) (S)** P: THEA 2015 or consent of instructor. Professional competence in pronunciation, intonation, and strenuous use of voice.

Some courses which carry general education credit are identified using the following key. Consult the offering department or the Office of Undergraduate Studies for clarification concerning additional courses which carry general education credit. Courses in major prefix may not count toward general education. (GE:EN)=English; (GE:EX)=Exercise and Sport Science; (GE:FA)=Fine Arts; (GE:HL)=Health; (GE:HU)=Humanities; (GE:MA)=Mathematics; (GE:SC)=Science; (GE:SO)=Social Science

## SECTION 8: COURSES

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**3027, 4027, 4028. Vocal Production Laboratory I, II, III (1,1,1) (3027:F; 4027:S; 4028:F)** 2 hours per week. P: THEA 2016, 3025. Exercises to maintain acting student's vocal technique.

**3035. Theatre History-Literature II (3) (WI\*) (F-03) (GE:FA)** Integrated study of developments in theatre production and style. Dramatic literature from European Renaissance to Commonwealth and Restoration Period.

**3036. Theatre History-Literature III (3) (WI\*) (F) (GE:FA)** Integrated study of developments in theatre production and style. Dramatic literature from Age of Enlightenment in eighteenth century through beginnings of Modern Realism to present day.

**3050. Advanced Acting I (3)** For students not involved in THEA 2010-3020. Basic approach to role development through intensive scene study and improvisational exercises.

**3055. History of the American Musical Theatre (3) (WI) Same as MUSC 3055** P: MUSC 2166 or consent of instructor. Styles and periods.

**3060. Advanced Acting II (3)** P: THEA 3050. Continued role development through intensive scene study and improvisational exercises.

**3075. Developing the Concept: Play Analysis for Designers and Directors (3) (WI) (F,S)** P: THEA 2035; 3003 or 3004 or 3007. Use of select one-act plays to develop skills in devising design-production concepts and preparing plays for production.

**3090. Musical Theatre Performance Techniques I (3) (F)** 2, 2-hour per week performance labs and/or lectures. P: Demonstrated vocal skill; THEA 1020; and/or consent of instructor. First of four-part process-oriented approach to analyzing and developing musical and dramatic techniques for performing musical material in context of its original setting. Music from standard Broadway repertoire.

**3095. Musical Theatre Performance Techniques II (3)** 2, 2-hour per week performance labs. P: Audition or consent of instructor; THEA 3090. Continuation of technical development in THEA 3090, with increase in musical and dramatic difficulty. Emphasis on lyric analysis and period musical styles.

**3501, 3502, 3503. Independent Study in Theatre (1,2,3) (F,S,SS) (GE:FA)** May be repeated for maximum of 4 s.h. with change of topic. P: Consent of instructor and dept chair. Independent study of scholarly topic.

**3601, 3602, 3603. Selected Topics in Theatre (1,2,3) (F,S,SS) (GE:FA)** May be repeated for maximum of 4 s.h. with change of topic. P: Consent of instructor and dept chair. Intensive study of selected topics.

**4000, 4001. Special Theatre Projects (1,1) (F,S,SS)** May not be taken concurrently with THEA 2001 or 2002. P: Consent of instructor. Special projects in areas of theatre production and performance supervised by faculty.

**4002. Advanced Technical Production (6) (F,S)** Minimum of 280 work and academic hours per semester. P: Junior standing; consent of instructor. Supervised internship in area of technical production. Extensive practical experience. Emphasis on professional methods in group situation. Parallel readings and study.

**4003. Advanced Stage Lighting (3) (F)** 4 classroom and/or lab hours per week. P: THEA 3003 or consent of instructor. Advanced theory and application of lighting design for theatre.

**4025. Television and Film Practicum for the Actor I (3)** Auditions for dept productions required. 6 hours per week. P: THEA 3020 or consent of instructor. Development of actor's craft and instrument used as expressive tools for film media. Major genres in TV/film, both in studio and on location.

**4026. Television and Film Practicum for the Actor II (3)** Auditions for dept productions required. 6 hours per week. P: THEA 4025 or consent of instructor. Continued development of actor's craft and instrument used as expressive tools for film media. Major genres in TV/film, both in studio and on location.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P,C, or P/C

**4030. Creative Dramatics (3) (F,S,SS) (GE:FA)** Informal, improvised dramatics with children. Preparation of leaders to conduct such sessions in school and community.

**4031. Dialects for the Stage (2)** P: THEA 2020 or consent of instructor. Selected dialects for performer.

**4036. Playwriting (2) (WI)** Structure of play as piece of writing. Emphasis on actual writing of one-act plays.

**4040. Directing I (3) (WI) (F) Formerly THEA 3070** Work as assistant director or stage manager on a dept. production. P: THEA 2035, 3035, 3036; 3020 or 3050. Principles, techniques, and methods of analyzing and directing a play.

**4041. Directing II (3) (S) Formerly THEA 3080** Work as assistant director or stage manager on a dept. production. P: THEA 4040 and consent of instructor. Advanced study of principles, techniques, and methods of directing plays in various styles and stage settings.

**4065. Stage Management (3) (F,S) (GE:FA)** 2 lecture and 1 lab/studio hours per week. Duties and operating procedures of stage manager in professional and nonprofessional theatre.

**4066. Theatre Management (3) (GE:FA)** Theory and practice of administration for nonprofit and commercial theatres. Theatre unions, financial considerations, promotion, grantsmanship, audience development, and career opportunities in theatre management.

**4070. Professional Preparation and Audition Technique for Actors (3)** Auditions for dept productions required. 2 lecture and 2 lab hours per week. P: THEA 4025. Preparation for professional entertainment industry market. Development of diverse audition repertoire and market-entry skills.

**4080. Musical Theatre Practicum (1) (WI) (S)** P: THEA 3095. Faculty-supervised senior recitals for graduating performers in BFA musical theatre concentration.

**4090. Musical Theatre Performance Technique III (3) (F)** 4 studio hours per week. P: THEA 2035, 3095. Musical material (solos, duets, and trios) from Broadway repertoire utilized for advanced in-context scene study.

**4095. Musical Theatre Performance Technique IV (3)** 4 studio hours per week. P: THEA 4090. Audition technique and preparation for mock audition performed for jury of stage directors at end of semester.

**4099. Design and Production Portfolio (1) (F,S)** 3 hours per week. P: Junior or senior standing; consent of instructor. Assembly and presentation of portfolio and resume in theatrical scenography.

**4323. The Teaching of Theatre Arts in Grades K-12 (3)** May not count toward BA major or minor. Teaching methods and practice application of theory.

**4324. Internship in Theater Education (10)** Full-time, semester-long internship. P: Admission to upper division; THEA 2123; C: THEA 4325. Observation and supervised teaching in assigned theatre arts public school classroom.

**4325. Internship Seminar: Issues in Theater Education (1)** P: Admission to upper division; C: THEA 4324. Individualized study of problems or issues pertinent in theatre education.

**5000. Dramatic Arts Workshop (3)** Presentation and evaluation of workshop projects in various aspects of theatre arts.

### THEA Banked Courses

**2005. Oral Communication (2)**

**2200. Creative Dance and Drama for the Elementary School (2)**

**3030. Acting I (3)**

**3040. Acting II (3)**

**4010. Master Class in Advanced Acting I (3)**

**4021. Master Class in Advanced Acting II (3)**

**4029. Advanced Oral Interpretation (2)**

**4032. Dialects for the Stage (2)**

## SECTION 8: COURSES

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### WOST: WOMEN'S STUDIES

**2000. Introduction to Women's Studies: Humanities (3) (F,S,SS) (GE:HU)** May receive credit for one of WOST 2000, 2200, 2400. Interdisciplinary approach to study of women in society. Emphasis on women as contributors to society and their own human development.

**2200. Introduction to Women's Studies: Arts (3) (GE:FA)** May receive credit for one of WOST 2000, 2200, 2400. Interdisciplinary approach to study of women in society. Emphasis on women as artists and subjects of art.

**2400. Introduction to Women's Studies: Social Sciences (3) (GE:SO)** May receive credit for one of WOST 2000, 2200, 2400. Interdisciplinary approach to study of women in society. Emphasis on historical and contemporary roles of women as contributors to society and their own human development.

**3000. Motherhood of God in Asian Traditions (3) (GE:SO) Same as ANTH 3009; RELI 3000** Female representation of deities in Eastern traditions, including Hinduism, Mahayana Buddhism, and Taoism. Religious and social impact of such representation.

**3500. Selected Topics in Women's Studies: Social Sciences (3) (GE:SO)** May be repeated for maximum of 6 s.h. with change of topic. P: WOST 2000 or 2200 or 2400 or consent of program director.

**3510. Selected Topics in Women's Studies: Humanities (3) (GE:HU)** May be repeated for maximum of 6 s.h. with change of topic. P: WOST 2000 or 2200 or 2400 or consent of program director.

**3520. Selected Topics in Women's Studies: Fine Arts (3) (GE:FA)** May be repeated for maximum of 6 s.h. with change of topic. P: WOST 2000 or 2200 or 2400 or consent of program director.

**3910, 3920, 3930. Directed Readings in Women's Studies (1,1,1) (F,S,SS)** P: WOST 2000 or 2200 or 2400; consent of director. Directed study based on needs and interests of individual women's studies student.

**4000. Senior Seminar in Women's Studies (3) (S)** P: WOST 2000 or 2200 or 2400; additional 3 s.h. in WOST; or consent of instructor. Interdisciplinary seminar.

**4200. Feminist Theory (3) (WI) (F)** P: WOST 2000 or 2200 or 2400; 1 other course accepted for WOST major or minor. Origin, development, and praxis of contemporary feminist theories.

**4500. Internship in Women's Studies (3) (F,S,SS)** P: Senior standing; WOST 4000; minimum 2.5 GPA or consent of director. Supervised work experience in women-centered community projects.

**5000. Advanced Seminar in Women's Studies (3)** P: Consent of instructor. Interdisciplinary. History and development of feminist theories that shape women's studies. Readings reflect international and multi-ethnic perspectives by including materials from variety of countries and cultures.

(WI)=Writing Intensive; (WI\*)=Selected Sections are Writing Intensive

Semester of course offering is not guaranteed. Anticipated semester of course offering:

(F)=Fall; (S)=Spring; (SS)=Summer Session; (OY)=Odd Year; (EY)=Even Year

P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P.C. or P/C

## COLLEGE OF ARTS AND SCIENCES

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Christine Avenarius, Lecturer (MA, University of Cologne)

John Roger Bort, Associate Professor (BA, University of Minnesota; MA, PhD, University of Oregon)

Robert L. Bunker, Associate Professor (BA, Old Dominion University; MA, PhD, Northwestern University)

Hal Jefferson Daniel III, Adjunct Professor (BA, MA, University of Tennessee; PhD, University of Southern Mississippi)

I. Randolph Daniel, Jr., Associate Professor (BS, Florida State University; PhD, University of North Carolina, Chapel Hill)

Charles R. Ewen, Professor and ECU Scholar-Teacher (BA, University of Minnesota; PhD, University of Florida)

David C. Griffith, Professor (BA, University of Iowa; PhD, University of Florida)

Dale L. Hutchinson, Associate Professor (BA, Alma College; MA, Northern Illinois University; PhD, University of Illinois)

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Holly F. Mathews, Professor (BA, Georgia State University; PhD, Duke University)

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Jason E. Bond, Assistant Professor (BS, Western Carolina University; MS, PhD, Virginia Polytechnic Institute and State University)

Mark M. Brinson, Arts and Sciences Distinguished Professor (BS, Heidelberg College; MS, University of Michigan; PhD, University of Florida)

Anthony A. Capehart, Assistant Professor (BS, University of North Carolina, Chapel Hill; MS, University of North Carolina, Wilmington; PhD, Wake Forest University)

Robert R. Christian, Professor (AB, Rutgers University; MS, PhD, University of Georgia)

Lisa M. Clough, Assistant Professor (BA, Wesleyan University; PhD, State University of New York, Stony Brook)

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Mary A. Farwell, Associate Professor (BS, Brown University; PhD, University of California, Berkeley)

Rufus W. Gaul, Jr., Visiting Instructor (BS, BA, MS, East Carolina University)

Carol Goodwille, Assistant Professor (BM, Oberlin Conservatory; BS, University of Massachusetts; PhD, University of Washington)

Claudia L. Jolls, Associate Professor (BS, University of Michigan; PhD, University of Colorado)

Elizabeth Jones, Visiting Assistant Professor (BSc, University of West England; PhD, East Carolina University)

Gerhard W. Kalmus, Professor (BA, University of California, Berkeley; MS, PhD, Rutgers University)

David B. Knowles, Visiting Instructor (BS, Appalachian State University; MS, East Carolina University)

Alfred C. Lamb III, Associate Professor (BS, MS, Auburn University; PhD, University of Georgia)

Joseph J. Luczkovich, Visiting Associate Professor (BA, Lehigh University; MS, Rutgers University; PhD, Florida State University)

Thomas J. McConnell, Associate Professor (BS, University of Florida; PhD, University of Florida Medical Center)

Susan B. McRae, Visiting Assistant Professor (BS, Carleton University; MS, University of Waterloo; PhD, University of Cambridge)

Cindy Putnam-Evans, Associate Professor (BS, Gardner-Webb College; MS, Clemson University; PhD, University of Georgia)

William H. Queen, Professor and Director, Institute for Coastal and Marine Resources (BS, MS, University of Alabama; PhD, Duke University)

Richard Rheinhardt, Research Assistant Professor (BBA, MA, PhD, William and Mary)

Roger Robbins, Visiting Assistant Professor (BS, Southampton College; MS, University of Maine; PhD, Duke University)

Roger A. Rulifson, Professor and Senior Scientist, Institute for Coastal and Marine Resources, and Director, Field Station for Coastal Studies at Mattamuskeet (BS, University of Dubuque; MS, PhD, North Carolina State University)

Jean-Luc Scemama, Visiting Associate Professor (BS, PhD, University P. Sabatier)

Margit Schmidt, Visiting Assistant Professor (MS, PhD, Ruprecht Karls University)

## SECTION 9: FACULTY

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John W. Stiller, Assistant Professor (BS, PhD, University of Washington)  
Kyle Summers, Assistant Professor (BA, University of California, Santa Cruz; MS, PhD, University of Michigan)  
Terry L. West, Associate Professor (BA, Western Washington State University; MS, University of the Pacific; PhD, Duke University)  
Yong Zhu, Assistant Professor (BSc, Xiamen University; MS, PhD, Tokyo University)

### Department of Chemistry

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William J. Donovan, Visiting Assistant Professor (BS, University of Delaware; PhD, Purdue University)  
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Paul J. Gemperline, Professor (BS, PhD, Cleveland State University)  
Irene H. Gerow, Visiting Assistant Professor (BS, University of West Florida; ME, PhD, University of South Carolina)  
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Robert C. Morrison, Professor (BS, College of Emporia; PhD, University of Nebraska)  
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George Mark Holmes, Assistant Professor (BS, Michigan State University; PhD, University of North Carolina, Chapel Hill)  
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## Department of English

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## SECTION 9: FACULTY

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Sharon Raynor, Lecturer (BA, MA, East Carolina University)  
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### Department of Foreign Languages and Literatures

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Purificación Martínez, Associate Professor (Licenciatura en Filología Hispánica, Universidad Autónoma de Madrid; MA, PhD, State University of New York, Stony Brook)  
Maribel Moheno, Instructor (BA, MA, University of California, Berkeley)  
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## SECTION 9: FACULTY

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## SECTION 9: FACULTY

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Lloyd R. Goodwin, Jr., Professor and Interim Chair, Department of Rehabilitation Studies (BA, MS, PhD, Florida State University)  
Brenda Bullock Hall, Adjunct Clinical Instructor (BS, MS, East Carolina University)  
Terry Allen Hall, Adjunct Clinical Instructor (BAE, MA, University of Mississippi)  
Michelle Heinan, Clinical Assistant Professor (MS, Cardinal Stritch University; BS, Alderson-Broadus College)  
Cara N. Herrington, Adjunct Assistant Professor (BA, University of North Carolina, Chapel Hill; MS, East Carolina University)



## SECTION 9: FACULTY

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Patricia Stavrakas Hodson, Clinical Associate Professor (BA, University of North Carolina, Greensboro; BSPT, MS, East Carolina University)

Donald Holbert, Professor (BS, University of Oregon; MA, Washington State University; PhD, Oklahoma State University)

Pamela Hollingsworth, Adjunct Assistant Professor (BA, MS, East Carolina University)

Tibor Horvobagyi, Adjunct Assistant Professor (BS, University of Hungary; MS, PhD, University of Massachusetts)

Monica Hough, Professor (BA, Brooklyn College; MA, University of Florida; PhD, Kent State University)

Suzanne Hudson, Assistant Professor (BS, Michigan State University; MS, California Institute of Technology; PhD, Massachusetts Institute of Technology; MS, PhD, University of Oregon)

Edward Huechtker, Clinical Assistant Professor and Chairperson, Department of Physician Assistant Studies (AS, State University of New York; BA, Marymount College; PA-C, Duke University; MPA, Long Island University)

W. Garrett Hume, Professor (BA, Trenton State College; MS, DEd, Pennsylvania State University)

Angela Hunter, Adjunct Clinical Assistant Professor (BSPT, University of North Carolina, Chapel Hill)

Walter L. Jenkins, Clinical Professor (BPE, Purdue University; MS, West Virginia University; MSPT, Indiana Central University)

Joseph Jones, Adjunct Lecturer (BS, MS, East Carolina University)

Gail B. Joyner, Adjunct Clinical Instructor (BS, MAEd, East Carolina University)

Lora Joyner, Adjunct Clinical Assistant Professor (BSPT, MS, East Carolina University)

Rhonda Hooks Joyner, Adjunct Clinical Instructor (BS, MS, East Carolina University)

Joseph Kalinowski, Associate Professor (BA, PhD, University of Connecticut; MS, Northeastern University)

Diane Kriesel, Adjunct Assistant Professor (MS, East Carolina University)

Margaret Lamb, Adjunct Clinical Assistant Professor (BSMT, Medical College of South Carolina; MA, Central Michigan University)

Stephen Lawler, Adjunct Lecturer (BS, The Citadel; MBA, Georgia Southern College)

Elizabeth J. Layman, Professor and Chairperson, Department of Health Information Management (BA, University of Minnesota; MA, College of St. Catherine; PhD, Georgia State University)

Jerry F. Lotterhos, Professor (BS, MSW, Louisiana State University)

Carol Lust, Assistant Professor (BS, Texas Woman's University; MEd, Texas Tech University; EdD, North Carolina State University)

Lynn Maletzky, Adjunct Clinical Instructor (BSMT, East Carolina University)

Jimmie D. McIver, Adjunct Assistant Professor (BS, MS, East Carolina University)

Peggy McMillen, Instructor (BS, East Carolina University)

David McRae, Adjunct Professor (BS, MPH, University of North Carolina, Chapel Hill; MAEd, East Carolina University)

Victoria Miller, Adjunct Assistant Professor (BA, Denison University; MS, East Carolina University)

Patricia J. Moody, Adjunct Clinical Instructor (BS, Longwood College; MEd, University of Virginia)

Garrie W. Moore, Assistant Professor (BS, East Carolina University; MS, PhD, North Carolina State University)

Robert A. Muzzarelli, Professor (BA, Trenton State College; MA, Temple University)

Charles Niemeyer, Adjunct Lecturer (BS, North Carolina State University; MS, Emory University)

Wanda Nunn, Adjunct Clinical Assistant Professor (BS, East Carolina University)

Kevin F. O'Brien, Professor and Associate Dean (BA, University of Rhode Island; MA, Georgetown University; PhD, University of North Carolina, Chapel Hill)

Sherri Odom, Adjunct Clinical Instructor (BSPT, East Carolina University)

Jane Painter, Associate Professor (BS, Indiana University; MHS, University of Florida; EdD, North Carolina State University)

Brenda Phillips, Adjunct Clinical Assistant Professor (BS, East Carolina University)

Karen Poole, Adjunct Clinical Assistant Professor (BS, East Carolina University)

Michael P. Rastatter, Professor and Chairperson, Department of Communication Sciences and Disorders (BS, Clarion University; MS, State University of New York, Fredonia; PhD, Bowling Green State University)

Susan Sinclair Roberts, Adjunct Professor (BS, East Carolina University; MPH, Columbia University School of Public Health, New York; PhD, University of North Carolina, Chapel Hill)

Eileen Rodri-Watkins, Adjunct Clinical Instructor (BS, MBA, East Carolina University)

Donna Rowe, Adjunct Clinical Assistant Professor (BS, University of North Carolina, Chapel Hill)

Madeleine Sawyer, Adjunct Clinical Assistant Professor (BSPT, University of Connecticut; MS, University of South Florida)

Kathleen M. Schulman, Clinical Instructor (BS, St. Johns University; MS, C. W. Post University)

Sharon Shallow, Clinical Instructor (BS, MAEd, East Carolina University)

Donald K. Shaw, Associate Professor (BS, George Williams College; BSPT, Southwest Texas State University; MS, George Williams College; PhD, Kent State University)

Richard E. Shine, Professor (BA, MA, University of Northern Colorado; DEd, Pennsylvania State University)

Martha L. Smith, Clinical Associate Professor (BA, Meredith College; MS, East Carolina University)

Howard Leonard Sosne, Adjunct Assistant Professor (BA, Adelphi University; MST, State University College at Brockport; PhD, Duke University)

Nancy E. Speier, Adjunct Clinical Instructor (BS, State University College of New York, Genesco; MA, Bowling Green State University)

Mark A. Stebnicki, Associate Professor (BS, MS, RhD, Southern Illinois University, Carbondale)

Andrew Stuart, Associate Professor (BS, BEd, MS, PhD, Dalhousie University)

P. Karen Sullivan, Associate Professor (BS, Clinch Valley College; MS, East Tennessee State University; PhD, Virginia Commonwealth University)

Melvin Swanson, Adjunct Associate Professor (BS, University of Pennsylvania; PhD, University of Pittsburgh)

Nan R. Taylor, Adjunct Clinical Instructor (BS, MS, East Carolina University)

Mary Susan Templeton, Professor (BS, Southwestern Memphis; Certificate in PT, Duke University; Medical Unit; MPH, University of North Carolina, Chapel Hill)

Melodie Thomas, Adjunct Assistant Professor (BS, MS, University of Arizona)

James E. Tracy, Clinical Associate Professor (BSPT, Ithaca College; MS, University of Kentucky)

Lori Tracy, Clinical Associate Professor (BS, St. Louis University; MS, University of Connecticut)

Kathleen Treole, Assistant Professor (BS, Ithaca College; MA, PhD, Ohio State University)

Gary Trube, Clinical Assistant Professor (BA, University of Texas; MPAS, University of Nebraska)

Beth Velde, Associate Professor (BS, MS, University of Illinois; MSOT, College Misericordia; PhD, University of Calgary)

Paul W. Vos, Associate Professor (BA, Calvin College; MS, PhD, University of Chicago)

Marianna M. Walker, Assistant Professor (BS, MS, East Carolina University; PhD, North Carolina State University)

Monica Weathers, Assistant Professor (BS, Winthrop University; MS, PhD, University of South Carolina)

Lisa Ward-Ross, Adjunct Assistant Professor (BS, MS, East Carolina University)

James T. Warren, Adjunct Assistant Professor (BS, MS, East Carolina University)

Dorsey Williams, Assistant Professor (BA, University of Virginia; MA, University of Maryland; PhD, University of Delaware)

Francis J. Winn, Jr., Clinical Assistant Professor (BS, Michigan State University; MA, Central Michigan University; PhD, Texas Tech University)

Margaret J. Wittman, Professor (BS, MS, University of North Dakota; EdD, North Carolina State University)

Henry D. Wong, Adjunct Assistant Professor (BS, MS, East Carolina University; PhD, Southern Illinois University)

Glyn Young, Adjunct Assistant Professor (BS, MSW, University of North Carolina, Chapel Hill; PhD, North Carolina State University)

Louise Yurko, Adjunct Clinical Assistant Professor (BSPT, Washington University, St. Louis; MA, East Carolina University)

### **School of Art**

Michael A. Dorsey, Dean (BS, Eastern Illinois University; MA, MFA, Bowling Green State University)

Kelly Adams, Instructor (BFA, MFA, East Carolina University)

Alice Arnold, Associate Professor (BFA, Illinois Wesleyan University; MA, EdD, University of Illinois)

Cynthia A. Bickley-Green, Assistant Professor (BA, MA, University of Maryland; MA, George Washington University; PhD, University of Georgia)

Carl R. Billingsley, Professor (BFA, MFA, University of Wisconsin, Milwaukee)

Beth Blake, Assistant Professor (BFA, Virginia Commonwealth University; MFA, Ohio University)

Thomas Braswell, Adjunct Lecturer (BA, North Carolina State University; MFA, Clemson University)

Charles F. Chamberlain, Professor (BFA, Massachusetts College of Art; MFA, New York State College of Ceramics, Alfred University)

Jessica Christie, Assistant Professor (Studies in Art History, University of Munich; MA, University of Erlangen, Nuremberg, West Germany; MA, PhD, University of Texas at Austin)

Linda Darty, Associate Professor and ECU Scholar-Teacher (BS, University of Florida; MFA, East Carolina University)

William Dermody, Adjunct Lecturer (BS, Weber State University; MFA, East Carolina University)

Michael H. Duffy, Associate Professor (BA, MA, University of New Hampshire; MA, Michigan State University; PhD, University of Illinois)

Scott Eagle, Assistant Professor (BFA, MFA, East Carolina University)

Robert Ebendorf, Carol Grotne Belk Distinguished Professor (BFA, MFA, University of Kansas)

Michael William Ehlebeck, Professor (BFA, University of Illinois; MFA, University of Florida)

Ray E. Elmore, Jr., Associate Professor (BFA, The Maryland Art Institute; MFA, University of Michigan)

Seo Eo, Associate Professor (BFA, Utah State University; MFA, Indiana University)

Abdul-Shakoor Farhadi, Professor (BS, Cairo High Polytechnical Institute, Cairo, Egypt; MArch, North Carolina State University)

## SECTION 9: FACULTY

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Leah Force, Shop Manager/Lecturer (BFA, MFA, East Carolina University)  
Janet Fischer, Professor (BS, MA, MFA, Bowling Green State University)  
Wayne Godwin, Associate Professor (BS, MAEd, East Carolina University; MPD, North Carolina State University)  
Ronald S. Graziani, Associate Professor (BA, University of California, Los Angeles; MA, State University of New York, Stony Brook; PhD, University of California, Los Angeles)  
Arthur J. Haney, Professor and Associate Dean (BFA, Syracuse University; MFA, New York State College of Ceramics, Alfred University)  
Paul J. Hartley, Professor and ECU Scholar-Teacher (BA, North Texas State University; MFA, East Carolina University)  
Cynthia Herrmann, Adjunct Lecturer (BLS, University of Northern Iowa; BFA, Old Dominion University; MFA, East Carolina University)  
Jodi Hollnagel, Adjunct Lecturer (BFA, University of Wisconsin-Milwaukee; MFA, East Carolina University)  
Nancy House, Assistant Professor (BS, University of Michigan; MA, University of Cincinnati; PhD, The Ohio State University)  
Misook Hur, Instructor (BFA, Seoul National University, Korea; MFA, University of Wisconsin, Madison)  
Hanna Jubran, Professor and ECU Scholar-Teacher (BFA, MFA, University of Wisconsin, Milwaukee)  
Audrey Kilgore, Adjunct Lecturer (BD, Atlantic Christian College; MFA, East Carolina University)  
Nanyoung Kim, Assistant Professor (BA, MA, Seoul National University; EdD, MA, University of Illinois, Urbana-Champaign)  
Brandie Kirkman, Assistant Professor (BA, MFA, East Carolina University)  
Jiseon Lee, Assistant Professor (BFA, MFA, Ewha Woman's University; MFA, Colorado State University)  
Gilbert W. Leebrick, Assistant Professor and Gallery Director (BFA, Med, University of Hawaii; MFA, Clemson University)  
Jacquelyn Leebrick, Assistant Professor and Graduate Director (BS, MA, Florida State University; MFA, Clemson University)  
Susan Luddeke, Lecturer (BFA, MFA, East Carolina University)  
Punam Madhok, Associate Professor (BFA, Visva-Bharati University; MA, PhD, University of Illinois, Urbana-Champaign)  
Craig D. Malmrose, Associate Professor (BA, State University of New York, Fredonia; MFA, Rochester Institute of Technology)  
Joan Mansfield, Associate Professor (BFA, MFA, East Carolina University)  
Susan Martin Meggs, Adjunct Lecturer (BA, Alverno College; MA, MFA, University of Wisconsin)  
Ann Melanie, Adjunct Lecturer (BFA, MFA, East Carolina University)  
Phil Phillips, Associate Professor and Associate Dean (BS, Appalachian State University; MA, EdD, University of Illinois)  
Sharon Pruitt, Associate Professor (BS, Case Western Reserve University; MA, Howard University; PhD, Ohio State University)  
Arthur Robert Rasch, Professor (BFA, New York Institute of Technology; MA, University of Maryland)  
Eva Roberts, Associate Professor (M of Product Design, North Carolina State University)  
Elizabeth Ross, Associate Professor (BS, MA, East Carolina University)  
H. Jathar Salij, Adjunct Lecturer (BA, MA, PhD, University of Washington; MA, Portland State University; MFA, East Carolina University)  
Larry Shreve, Adjunct Lecturer (BFA, MFA, East Carolina University)  
Terry Smith, Professor (BA, BFA, California State University, Northridge; MFA, Cranbrook Academy of Art)  
Laura Sutton, Adjunct Lecturer (BFA, MFA, East Carolina University)  
James Tisnado, Lecturer (BA, California State University; BFA, University of Iowa; MFA, Ohio University)  
Carl Twarog, Associate Professor (BA, State University of New York, Buffalo; MFA, Massachusetts College of Art)  
Leonard Viellette, Adjunct Lecturer (BFA, MFA, East Carolina University)  
Michael Voors, Professor (BFA, Indiana University; MFA, Eastern Michigan University)  
Catherine C. E. Walker, Associate Professor (BFA, MFA, East Carolina University)  
Leland Wallin, Professor (BFA, Kansas City Art Institute; MFA, University of Cincinnati)  
Kent Williams, Adjunct Lecturer (BFA, Pratt Institute)  
Christine Zollar, Assistant Professor (BS, State College of Buffalo, New York; MFA, The University of Georgia)

### School of Business

Ernest B. Uhr, W. Howard Rooks Distinguished Professor and Dean (BS, Lafayette College; MS, PhD, Rensselaer Polytechnic Institute)  
Tope Adeyemi-Bello, Associate Professor and ECU Scholar-Teacher (BS, MBA, Eastern Illinois University; PhD, University of Arkansas)  
Kenneth Anselmi, Associate Professor (BBA, Eastern Michigan University; MBA, Arizona State University; PhD, University of Nebraska, Lincoln)  
Kenneth E. Bass, Associate Professor (BS, Mt. St. Michael School of Medical Technology; MBA, Louisiana State University; PhD, Louisiana Technical University)

James H. Bearden, Professor and Director, BB&T Center for Leadership Development (BS, Centenary College; MA, East Carolina University; PhD, University of Alabama)

Scott D. Below, Associate Professor (BS, MS, South Dakota University; PhD, University of Kentucky)

Anne K. Bogey, Lecturer (BSA, MBA, East Carolina University)

Donald B. Boldt, Lecturer (BS, State University of Iowa; MBA, Harvard University)

John H. Bradley, Associate Professor (BS, Louisiana State University; MA, Criswell Bible Institute; MBA, PhD, University of Texas, Arlington)

James F. Buck, Associate Professor (BSBA, East Carolina University; MBA, DBA, Florida State University)

Margaret M. Capen, Professor (BA, PhD, University of South Carolina)

John Calvin Christian, Jr., Assistant Professor and CPA (BACC, University of Mississippi; PhD, Florida State University)

Reid P. Claxton, Associate Professor (BA, Drury College; MBA, University of Evansville; PhD, University of Arkansas)

Mark A. Coffin, Associate Professor (BME, Georgia Institute of Technology; MBA, PhD, Virginia Polytechnic Institute and State University)

Richard E. Cook, Visiting Instructor (BS, PhD, Wayne State University; MS, Case Western Reserve; MBA, East Carolina University)

Dwane H. Dean, Assistant Professor (BS, Oklahoma State University; MS, University of Alabama, Birmingham; DDS, University of Oklahoma; PhD, Louisiana State University)

Scott Dellana, Associate Professor and Chairperson, Department of Decision Sciences (BS, University of Pittsburgh; MS, PhD, University of Missouri)

Susan K. DelVecchio, Assistant Professor (BA, University of Pittsburgh; MBA, University of North Carolina, Greensboro; PhD, Virginia Polytechnic Institute and State University)

Edwin A. Doty, Jr., Associate Professor and Chairperson, Department of Accounting (BA, MBA, PhD, University of Massachusetts)

Laura A. Eakins, Lecturer (BSBA, University of Alaska; MBA, Arizona State University)

Stanley G. Eakins, Associate Professor and Chairperson, Department of Finance (BS, Washington State University; MBA, University of Alaska, Fairbanks; PhD, Arizona State University)

Evelyn Elizabeth Eckstein, Lecturer (BS, MA, University of North Carolina, Greensboro)

Louis W. Eckstein, Jr., Visiting Associate Professor (BS, North Carolina State University; MF, Duke University; PhD, University of Georgia)

Stephanie J. Edmondson, Lecturer (BA, East Carolina University; JD, University of North Carolina, Chapel Hill)

John C. Edwards, Assistant Professor (BS, Southwest Missouri State University; MBA, University of Missouri; PhD, Southern Illinois University)

Charles Bryan Foltz, Assistant Professor (BS, Southwest Missouri State University; MBA, PhD, University of Arkansas)

Robert Frankel, Associate Professor (BA, MBA, University of Missouri, Columbia; PhD, Michigan State University)

Anthony D. Gribble, Lecturer (BSBA, MBA, East Carolina University)

Donald C. Guy, Professor (BA, MA, PhD, University of Illinois)

Joseph M. Hagan, Associate Professor (BBA, MA, University of Georgia; PhD, Georgia State University)

J. Larry Hagler, Professor (BS, University of Texas, El Paso; MBA, West Texas State University; PhD, University of Colorado; CPA, Mississippi, North Carolina)

Michael L. Harris, Lecturer (BSBA, MBA, East Carolina University)

Richard D. Hauser, Jr., Associate Professor (BA, University of North Carolina, Chapel Hill; MBA, East Carolina University; PhD, Florida State University)

Frederic J. Hebert III, Associate Professor (BS, MBA, DBA, Louisiana Tech University)

James E. Holloway, Associate Professor (BS, North Carolina Agricultural and Technical State University; MBA, East Carolina University; JD, University of North Carolina, Chapel Hill)

R. Eugene Hughes, Professor (BA, Lenoir-Rhyne College; MSBA, University of North Carolina, Greensboro; DBA, University of Kentucky, Lexington)

Jerry G. Hunt, Professor (BA, PhD, University of Colorado)

Judith R. Hunt, Associate Professor (BS, Temple University; BS, MBA, Fairleigh Dickinson University; PhD, University of Tennessee)

Jack E. Karns, Professor (BA, MS, MPA, Syracuse University; JD, Tulane University; LLM, Georgetown University)

Richard L. Kerns, Professor and Associate Dean (BS, University of Kansas; MBA, East Carolina University; PhD, University of Virginia)

Brenda Lou Killingsworth, Associate Professor (BSBA, MBA, East Carolina University; PhD, University of South Carolina)

Jane M. Lang, Lecturer (BSBA, MBA, East Carolina University)

Kenneth R. MacLeod, Associate Professor (BS, Georgia Institute of Technology; MBA, University of Notre Dame; PhD, University of South Carolina)

Ann J. McCarthy, Lecturer (BA, Wake Forest University; MBA, Winthrop University)

## SECTION 9: FACULTY

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Mark G. McCarthy, Associate Professor (BS, MBA, PhD, University of South Carolina; CPA, South Carolina)  
Roger P. McIntyre, Associate Professor and Chairperson, Department of Marketing (BSBA, Oregon State University; MBA, University of Portland; PhD, Arizona State University)  
Havva J. Meric, Associate Professor (BA, Ankara University, Turkey; MBA, George Washington University; PhD, University of North Carolina, Chapel Hill)  
Carlos W. Murray, Jr., Lecturer (BA, East Carolina University; JD, Wake Forest University)  
William V. Muse, Chancellor (BS, Northwestern State University; MBA, PhD, University of Arkansas)  
Patricia M. Myers, Assistant Professor (BSBA, PhD, University of Arizona)  
Henry E. Newkirk, Assistant Professor (BS, North Carolina State University; MBA, East Carolina University; PhD, University of Kentucky, Lexington)  
Frederick D. Niswander, Associate Professor and Assistant Dean (BBA, Idaho State University; PhD, Texas A & M University)  
Brian A. O'Doherty, Associate Professor (BEC, The University of Sydney; MA, PhD, University of Florida)  
Margaret T. O'Hara, Assistant Professor (BS, Seton Hall University; PhD, University of Georgia)  
Anthony J. Polito, Assistant Professor (BS, Radford University; MBA, Duke University; ABD, University of Georgia)  
John T. Reisch, Assistant Professor (BS, University of Virginia; MAccy, University of Alabama; PhD, University of South Carolina)  
Ira Len Rhodes, Lecturer (BSBA, MBA, East Carolina University)  
Frederick P. Schadler, Associate Professor (BSBA, West Virginia University; MBA, University of North Carolina, Charlotte; PhD, University of South Carolina)  
Dan L. Schisler, Associate Professor (BS, Southeastern Louisiana University; MBA, Auburn University; PhD, Memphis State University)  
Douglas K. Schneider, Associate Professor (BS, Bentley College; MS, University of Virginia; PhD, University of Georgia)  
Elaine D. Seeman, Assistant Professor (BA, Indiana University of Pennsylvania; MBA, East Carolina University; ABD, Indiana State University)  
Larry P. Seese, Assistant Professor (BA, MBA, Michigan State University; PhD, University of South Carolina)  
Roy L. Simerly, Professor (BS, University of Maryland; MS, Troy State University; PhD, Virginia Polytechnic Institute and State University)  
James O. Smith, Jr., Associate Professor (BS, University of Alabama; MA, PhD, University of Mississippi)  
C. Ronald Sprecher, Professor (BS, MS, PhD, University of Illinois)  
Stanley R. Stansell, Professor and Robert Dillard Teer, Jr. Distinguished Professor in Business (BSBA, MBA, Florida State University; PhD, University of Georgia)  
David P. Stillerman, Lecturer (BSBA, University of Florida; JD, Campbell University School of Law)  
Joseph M. Tomkiewicz, Professor and Chairperson, Department of Management (BSBA, Drexel University; MBA, PhD, Temple University)  
Beverly T. Venable, Assistant Professor (BS, University of Alabama, Birmingham; MBA, Samford University; PhD, University of Mississippi, Oxford)  
Mark C. Weitzel, Lecturer (BS, University of Michigan, Ann Arbor; MBA, Loyola University of Chicago)  
David A. West, Associate Professor (BS, Clarkson University; MBA, University of Chicago; PhD, University of Rhode Island)  
Harold L. Wise, Lecturer (BSBA, East Carolina University; MS, University of Virginia)  
William D. Wittman, Lecturer (BA, MA, University of North Dakota; MBA, East Carolina University)  
James E. Zemanek, Jr., Associate Professor (BBAA, MS, PhD, Texas A & M University)  
Louis H. Zincone, Jr., Visiting Professor and Associate Dean (BA, University of Richmond; PhD, University of Virginia)

### **School Of Computer Science and Communication**

G. Michael Poteat, Associate Professor and Interim Dean (BA, University of North Carolina, Asheville; MA, Western Carolina University; PhD, University of Tennessee)  
Karl Abrahamson, Associate Professor (BS, PhD, University of Washington, Seattle)  
T. Harrell Allen, Professor (BJ, University of Texas; MS, West Virginia University; PhD, Ohio State)  
Lawrence W.S. Auld, Associate Professor (BA, University of Northern Iowa; MS, Columbia University; PhD, University of Illinois at Urbana-Champaign)  
Robert L. Bernhardt, Professor and Interim Chairperson, Computer Science (BS, MA, University of North Carolina, Chapel Hill; PhD, University of Oregon)  
Barbara C. Bullington, Visiting Instructor (BA, MS, Shippensburg University)  
Dennis D. Cali, Associate Professor and Interim Chairperson, Department of Communication and Broadcasting (BA, Southeastern Louisiana University; MA, Colorado State University; PhD, Louisiana State University)  
Michael A. Cavanagh, Visiting Instructor (BA, MA, Colorado State University; JD, University of Denver College of Law)  
Carol B. Collins, Lecturer (BS, University of Richmond, Westhampton; MA, East Carolina University)

Dennis P. Conway, Assistant Professor (BA, Cornell University; MA, New York University)  
 John R. Crammer, Assistant Professor (BS, PhD, Clemson University)  
 Rebecca Dumlao (BS, Penn State University; MS, Oregon State University; PhD, University of Wisconsin)  
 Festus Eribo, Professor (BA, MA, State University of Leningrad; PhD, University of Wisconsin)  
 Kaye Ashburn Fairweather, Instructor (BA, Mary Hardin-Baylor College)  
 Lawrence T. Gillick, Jr., Visiting Instructor (BA, University of the State of New York; MA, Syracuse University)  
 Linda Carol Godbold, Assistant Professor and ECU Scholar-Teacher (BS, University of Illinois; MA, PhD, University of Wisconsin)  
 K. Gopalakrishnan, Assistant Professor (BE, University of Madras, India; MTech, Indian Statistical Institute; PhD, University of Nebraska, Lincoln)  
 Charles H. Grant, III, Assistant Professor (BS, East Carolina University; MA, University of North Carolina, Chapel Hill; PhD, University of South Florida)  
 Robert A. Hochberg, Visiting Assistant Professor (BS, SUNY at Stony Brook; PhD, Rutgers University)  
 Bobby D. Hoggard, Visiting Instructor (BS, MS, East Carolina University)  
 Pamela Davis Hopkins, Visiting Instructor (BA, Clemson University; MA, Pennsylvania State University)  
 Masao Kishore, Associate Professor (BA, University of California, Berkeley; MS, University of Toledo; MA, PhD, Princeton University)  
 Jeffrey Scott Lee, Visiting Instructor (BS, East Carolina University; MMA, University of South Carolina)  
 Brian D. Manning, Visiting Instructor (BS, MS, East Carolina University)  
 Kelli S. Munn, Visiting Instructor (BS, Trevecca Nazarene University; MA, Auburn University)  
 James L. Rees, Professor (BS, Millersville State College; MA, Syracuse University)  
 Peter J. Restivo, Visiting Instructor (BFA, New York Institute of Technology; MS, City University of New York)  
 Christine R. Russell, Visiting Assistant Professor (BA, Randolph-Macon College; MA, East Carolina University; JD, University of Missouri-Kansas City School of Law)  
 Ronnie W. Smith, Associate Professor and ECU Scholar-Teacher (BS, Vanderbilt University; MS, PhD, Duke University)  
 M. H. N. Tabrizi, Professor and ECU Scholar-Teacher (BS, University of Manchester, England; MS, PhD, University of Sheffield, England)  
 James Frederick Wirth, Associate Professor (BSc, PhD, University of Notre Dame)

### **School of Education**

Marilyn A. Sheerer, Professor and Dean (BS, Bloomsburg State College; MS, Syracuse University; PhD, Ohio University)  
 Cynthia Adams, Visiting Lecturer (BS, East Carolina University)  
 Ann Adams-Bullock, Associate Professor (BS, Appalachian State University; MA, New Mexico State University; PhD, Virginia Commonwealth University)  
 Patricia J. Anderson, Associate Professor (BS, MEd, Delta State University; EdD, University of Georgia)  
 Terry Atkinson, Assistant Professor (BS, MS, PhD, University of North Carolina, Greensboro)  
 Lynn K. Bradshaw, Professor and ECU Scholar-Teacher (AB, MAEd, University of North Carolina, Chapel Hill; EdS, East Carolina University; EdD, North Carolina State University)  
 Elizabeth A. Briggs, Visiting Instructor (BA, Mary Baldwin College)  
 Carol A. Brown, Assistant Professor (BS, MAEd, University of Arkansas, Little Rock; PhD, University of Memphis)  
 Kermit Buckner, Professor and Chair, Department of Educational Leadership (AB, MA, University of North Carolina, Chapel Hill; EdD, University of North Carolina, Greensboro)  
 Melva M. Burke, Visiting Associate Professor (BA, Westminster College; MEd, University of North Carolina, Charlotte; EdD, University of North Carolina, Greensboro)  
 Joseph C. Ciechalski, Professor (BEd, University of Miami; MAEd, EdS, Florida Atlantic University; EdD, North Carolina State University)  
 Charles R. Coble, Professor (AB, MAT, EdD, University of North Carolina, Chapel Hill)  
 Susan M. Colaric, Assistant Professor (BA, William and Mary; MSLS, University of North Carolina, Chapel Hill; PhD, Pennsylvania State University)  
 Susan A. Colby, Assistant Professor (BA, University of Minnesota; MA, University of Colorado, Denver; EdD, East Carolina University)  
 Vivian M. Covington, Clinical Coordinator (BS, MAEd, CAS, EdD, East Carolina University)  
 Frank E. Crawley, Professor (BS, Virginia Military Institute; MST, University of Wisconsin, Superior; EdD, University of Georgia)  
 Melissa A. Darrow-Engleman, Professor (BA, Mills College; MS, EdD, University of Kansas)  
 Mary L. Davis, Assistant Professor (AB, Youngstown State University; MS, Winthrop College; PhD, University of Pittsburgh)  
 Elizabeth C. Doster Taft, Assistant Professor (BS, MEd, Georgia Southern University; PhD, University of Georgia, Athens)

## SECTION 9: FACULTY

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Richard R. Eakin, Research Professor (BA, Geneva College; MA, PhD, Washington State University)

Marie Anne B. Faulkenberry, Clinical Instructor (BS, MAEd, East Carolina University)

Beth Ann Fine, Visiting Instructor (BS, MAEd, East Carolina University)

Christine Fitch, Assistant Professor (BA, Bennett College; MA, George Washington University; DEd, University of Massachusetts)

Emmett M. Floyd, Associate Professor (BS, Atlantic Christian College; MAEd, EdS, East Carolina University; EdD, Duke University)

Laura M. Frey, Assistant Professor (BS, University of Iowa; MA, PhD, University of Kansas, Lawrence)

David A. Gabbard, Associate Professor (BA, Centre College; MEd, EdD, University of Cincinnati)

Charles R. Gainey, Clinical Professor (BS, University of North Carolina, Chapel Hill; MAEd, East Carolina University; EdD, University of North Carolina, Greensboro)

Allan A. Glatthorn, Professor (BA, MEd, EdD, Temple University)

Lee W. Grier, Clinical Professor (AB, High Point College; MEd, University of North Carolina, Greensboro; EdD, Duke University)

Harold C. Griffin, Associate Professor (BA, Wake Forest University; MA, University of Iowa; PhD, University of Texas)

William J. Grobe, Associate Professor (BA, MEd, EdD, State University of New York, Buffalo)

Sharon M. Haley, Assistant Professor (BS, Indiana State University; MA, Duke University; EdD, East Carolina University)

James G. Hall, Associate Professor (BA, MLS, PhD, University of Mississippi)

Parmalee P. Hawk, Professor and Director, Teacher Education (BA, The College of Wooster; MEd, DEd, Auburn University)

Elizabeth M. Hodge, Instructor (BS, Ithaca College; MS, East Carolina University; PhD, University of Florida)

Lilla G. Holsey, Associate Professor (BS, Hampton Institute; MS, PhD, Florida State University)

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Anna T. Lyon, Assistant Professor (BA, Central Florida University; MA, Northern Kentucky University; EdD, Virginia Polytechnic Institute and State University)

Floyd Mattheis, Professor (BS, University of North Dakota; MEd, EdD, University of North Carolina, Chapel Hill)

James A. McKernan, Professor (BS, Temple University; MA, The National University of Ireland; PhD, Ulster University, Ireland)

Constance A. Mellon, Professor (BA, Hiram College; MSLS, PhD, Syracuse University)

Rhea Miles, Assistant Professor (BS, James Madison University; PhD, University of Virginia)

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Carolyn Darlene Mobley, Assistant Professor (BS, MAEd, EdD, East Carolina University)

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John A. Swope, Associate Professor and Associate Dean (BBA, MBA, Eastern Kentucky University; EdD, University of Kentucky)

Barr W. Taylor, Associate Professor (BS, MEd, Northeast Louisiana State University; EdD, University of Alabama)

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Scott B. Watson, Associate Professor (BA, MA, PhD, University of South Florida)

Florence S. Weaver, Professor (AB, Wake Forest University; MA, University of North Carolina, Chapel Hill; PhD, Florida State University)

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### **School of Health and Human Performance**

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Victor G. Aeby, Jr., Visiting Assistant Professor (BSEd, University of Arkansas; MS, Western Kentucky University; EdD, University of Georgia)



## SECTION 9: FACULTY

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Rebecca E. Barry, Assistant Professor (BA, PhD, University of Utah; MA, Moscow State University)

Boni B. Boswell, Associate Professor (BS, University of Texas, Austin; MA, University of Texas, Arlington; PhD, Texas Woman's University)

Shannon C. Burtrand, Visiting Instructor (BA, Ashland University; MS, Miami University)

William E. Cain, Assistant to the Dean (BS, MAEd, East Carolina University)

David H. Chenoweth, Professor (BS, MA, Ball State University; PhD, Ohio State University)

D. Rodney Compton, Assistant Professor (BSEd, Ohio State University; MEd, Bowling Green State University)

Ronald N. Cortright, Assistant Professor (BA, Hiram College; MA, PhD, Kent State University)

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Carmen V. Russoniello, Assistant Professor (BA, MS, Eastern Washington University; PhD, Gonzaga University)  
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Carol A. Tucker, Lecturer (BS, MAEd, East Carolina University)  
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Robert C. Wendling, Associate Professor (BS, MS, Southern Illinois University; PhD, Texas A & M)  
David White, Associate Professor and Chairperson, Department of Health Education and Promotion (BS, Concord College; MS, Radford College; EdD, University of Tennessee)  
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### **School of Human Environmental Sciences**

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Sharon Ballard, Assistant Professor (BS, University of Maine; MS, PhD, University of Tennessee)  
Beth Berghoff, Adjunct Professor (BA, MA, EdS, University of Michigan; PhD, University of Georgia)  
Barbara Brehm, Lecturer (AB, Hope College; MEd, University of North Carolina, Greensboro)  
Harry Cain, Adjunct Instructor (BA, MA, East Carolina University)  
Elizabeth A. Carroll, Lecturer (BS, University of Mississippi; MS, East Carolina University; JD, Mississippi College)  
James A. Chandler, Assistant Professor (BS, Western Carolina University; MS, University of Tennessee; PhD, University of Tennessee, Knoxville; CHA and CHE, Educational Institute of the AH&MA, East Lansing, Michigan)  
Runying Chen, Assistant Professor (BS, China Textile University; MS, Bowling Green University; PhD, Ohio State University)  
Tara Crane, Assistant Professor (BS, MS, Michigan State University; PhD, University of Missouri, Columbia)  
Susan Creech, Adjunct Instructor (BS, MAEd, MS, East Carolina University)  
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James P. Dishaw, Lecturer (BS, MS, University of Nevada, Las Vegas)  
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## SECTION 9: FACULTY

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Randi Knofsky, Lecturer (BA, Washington University; MArch, North Carolina State University)  
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Nancy J. Lee, Lecturer and Director, Child Development Laboratory (BS, MS, East Carolina University)  
Patricia Lindsey, Associate Professor (BS, MS, East Carolina University; PhD, Virginia Technical University)  
Edward W. Markowski, Professor (BA, LaSalle College; MA, East Tennessee State University; PhD, Florida State University)  
Elizabeth J. Markowski, Associate Professor (BS, MS, Florida State University; MFA, East Carolina University)  
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Walter Huntley McKinnon, Lecturer (BA, North Carolina State University; MArch, Princeton University)  
Robin McManus, Lecturer (BS, Virginia Polytechnic Institute and State University; MS, University of Miami)  
Robert E. Nida, Associate Professor (BA, MA, Wheaton College; PhD, University of North Carolina, Greensboro)  
Elethia Oliver-Ajose, Lecturer (BA, Kean College of New Jersey; MA, Jersey City State College; MFA, Savannah College of Art and Design)  
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Jonathan Probbler, Assistant Professor (BS, Regents College of New York State; MS, Florida International University; PhD, Penn State)  
Mamie Shaw, RD, Adjunct Clinical Instructor (BS, North Carolina Central University)  
Angela Smith, Assistant Professor and ECU Scholar-Teacher (BA, MS, PhD, Iowa State University)  
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### **School of Industry and Technology**

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Alan M. Burne, Lecturer (BS, East Carolina University; MA, University of North Carolina, Charlotte)  
Robert A. Chin, Professor (BA, University of Northern Colorado; MAE, Ball State University; PhD, University of Maryland)  
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Charles E. Coddington, Professor and Director of Graduate Studies (BS, California University of Pennsylvania; MEd, Pennsylvania State University; PhD, University of Maryland)  
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Mark A. Friend, Professor (BS, MS, EdD, West Virginia University)  
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 Donna A. Hollar, Lecturer (BS, University of North Carolina, Charlotte; MS, University of Washington)  
 George M. Jenkins, Professor and Chairperson, Department of Military Science; Lieutenant Colonel, United States Army (BS, Western Carolina University; MS, Central Michigan University)  
 Bernard E. Kane, Jr., Professor (BS, MS, PhD, University of Florida)  
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 Eric A. Lawson, Assistant Professor and Major, United States Army (BS, Austin Peay State University)  
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 Patrick J. Mahony, Assistant Professor and First Lieutenant, United States Air Force (BA, University of Virginia)  
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 Danny L. Morton, Lecturer (BSBA, MAEd, East Carolina University)  
 D. Bruce Nothdurft, Lecturer (BS, MS, University of North Carolina, Charlotte)  
 Burton R. Ogle, Assistant Professor (BS, University of Tennessee; MSEH, East Tennessee State University; PhD, Virginia Commonwealth University)  
 Leslie R. Pagliari, Lecturer (BS, MS, East Carolina University)  
 John E. Patterson, Lecturer (BS, MS, Clemson University)  
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 Harold L. Stone, Assistant Professor (BS, Texas A&M University at Galveston; MPA, Columbia University; PhD, Texas A&M University)  
 Jerry V. Tester, Professor (BS, MA, Appalachian State University; PhD, Texas A&M University)  
 Lee W. Toderick, Lecturer (BS, East Carolina University; MS, Boston University)  
 James L. Toppen, Associate Professor (BS, Northern Michigan University; MS, Central Connecticut State; PhD, Arizona State University)  
 John R. Wall, Lecturer (BS, University of Maryland; MA, Central Michigan University)  
 Mulatu Wubneh, Professor and Chairperson, Department of Planning (BA, Haile Selassie University; MA, MURP, PhD, Florida State University)  
 Biwu Yang, Professor (BE, Shanghai University of Science and Technology; MS, PhD, University of Rhode Island)

### **School of Music**

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 Daniel J. Bara, Assistant Professor (BM, MM, University of Michigan; DMA, Eastman School of Music)  
 Charles F. Bath, Professor and Chairperson, Department of Keyboard Music (BM, DMA, University of Michigan; MM, Eastman School of Music)  
 Joanne M. Bath, Visiting Assistant Professor (BM, Denison University; MM, University of Michigan)  
 Susan Beck-Frazier, Visiting Instructor (BM, MM, East Carolina University)  
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 George LeBlanc Broussard, Professor (BME, University of Southwestern Louisiana; MM, Northwestern University)  
 Mary A. Burroughs, Associate Professor (BM, University of Missouri; MM, University of Wisconsin; DMA, University of Illinois)  
 Kerry D. Carlin, Assistant Professor (BM, Cleveland Institute of Music; MM, DME, Indiana University)  
 Amy Carr-Richardson, Assistant Professor (BM, University of Tennessee at Chattanooga; MM, PhD, Florida State University)  
 R. Scott Carter, Associate Professor (BM, MM, East Carolina University; DMA, University of Cincinnati)

## SECTION 9: FACULTY

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Carroll V. Dashiell, Jr., Associate Professor (BM, MM, Howard University)

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Christine M. Gustafson, Associate Professor (BM, Indiana University; MM, Eastman School of Music; DMA, University of Texas)

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C. Gregory Hurley, Associate Professor (BM, University of North Carolina, Greensboro; MM, University of Texas; PhD, University of Wisconsin)

Edward Jacobs, Associate Professor (BA, University of Massachusetts at Amherst; MA, University of California at Berkeley; DMA, Columbia University)

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Christopher B. Knighten, Associate Professor (BM, Baylor University; MM, DMA, University of Colorado)

John Kramar, Assistant Professor (BM, Eastman School of Music; MM, Curtis Institute of Music)

Jean-Ronald Lafond, Visiting Assistant Professor (BM, Westminster Choir College; MM, DMA, University of Michigan)

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### School of Nursing

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## SECTION 9: FACULTY

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### **School of Social Work and Criminal Justice Studies**

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Carl Worthington, Adjunct Assistant Professor (BA, East Carolina University)

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## **OTHER UNITS**

### **Division of Continuing Studies**

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## **SECTION 9: FACULTY**

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### **Academic Library Services**

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Jonathan Dembo, Assistant Professor (AB, Washington University; MA, University of Pittsburgh; PhD, University of Washington)

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David M. Durant, Assistant Professor (AB, MLS, University of Michigan; MA, University of California)

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Janice S. Lewis, Assistant Professor (BA, College of William and Mary; JD, University of Virginia; MLS, Catholic University of America)

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Janet L. Mayo, Assistant Professor (BA, Ohio State University; MLS, Kent State University)

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Ralph L. Scott, Professor (BA, MS, Columbia University; MA, East Carolina University)

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Carolyn N. Willis, Assistant Professor (BS, East Carolina University; MLS, North Carolina Central University)

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### **Health Sciences Library**

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Cassandra Moore, Lecturer (BA, Old Dominion University; MLS, North Carolina Central University)

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## **Faculty Emeriti**

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#### **Department of Biology**

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Alfred Wang, PhD, Associate Professor Emeritus

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 Jasper Register, PhD, Associate Professor Emeritus

Buford Rhea, PhD, Professor Emeritus  
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 G. Douglas Ray, MFA, Associate Professor Emeritus

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 Helen Vane Steer, PhD, Associate Professor Emerita

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 John L. Winstead, Jr., MD, Clinical Associate Professor Emeritus  
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Sara Edmiston, MA, Professor Emerita  
Tom Evans, MAEd, Professor Emeritus  
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David J. Middleton, PhD, Professor Emeritus  
Herman D. Phelps, MA, Professor Emeritus

**Academic Library Services**

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Anne Bennett, MA, Assistant Professor Emerita  
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Mary Frances Morris, MSLS, Associate Professor Emerita  
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**Center for Counseling and Student Development**

Ione J. Ryan, EdD, Professor Emerita

Wilbert Ball, EdD, Professor Emeritus

East Carolina University is dedicated to the pursuit and dissemination of knowledge and, as such, expects all members of the academic community to behave in a manner conducive to that end. The highest standards of personal and professional conduct must be maintained by faculty, staff, and students. Illegal or abusive use of drugs or alcohol, referred to in this policy as substance abuse, by members of the university community adversely affects the mission of the university and is prohibited.

Accordingly, the East Carolina University Board of Trustees adopts the following policy, consistent with The UNC Board of Governors' Policy on Illegal Drugs. The policy is intended to accomplish the following:

- (1) Prevent substance abuse through a strong educational effort;
- (2) Encourage and facilitate the use of counseling services and rehabilitation programs by those members of the academic community who require their assistance in stopping substance abuse; and
- (3) Discipline appropriately those members of the academic community who engage in illegal drug or alcohol-related behaviors.

### **Educational Efforts to Prevent Substance Abuse**

In keeping with its primary mission of education, East Carolina University will conduct a strong educational program aimed at preventing substance abuse and illegal drug or alcohol use. Educational efforts shall be directed toward all members of the academic community and will include information about the incompatibility of the use or sale of illegal substances with the goals of East Carolina University; the health hazards associated with illegal drug or alcohol use; the incompatibility of substance abuse with the maximum achievement of educational, career, and other personal goals; and the potential legal consequences of involvement with illegal drugs or alcohol.

### **Counseling and Rehabilitation Services to Prevent Substance Abuse**

Those faculty, staff, or students who seek assistance with a substance-related problem shall be provided with information about drug counseling and rehabilitation services available through East Carolina University and also through community organizations. Those who voluntarily avail themselves of university services shall be assured that applicable professional standards of confidentiality will be observed.

### **Disciplinary Actions to Prevent Substance Abuse**

Students, faculty members, administrators, and other employees are responsible, as citizens, for knowing about and complying with the provisions of North Carolina law that make it a crime to possess, sell, deliver, or manufacture those drugs designated collectively as "controlled substances" in Article 5 of Chapter 90 of the North Carolina General Statutes. Any member of the university community who violates that law is subject both to prosecution and punishment by the civil authorities and to disciplinary proceedings by the university.

It is expected that East Carolina University students, faculty members, administrators, and other employees who use or possess alcoholic beverages will do so as legally prescribed by the laws of the State of North Carolina, within the regulations of East Carolina University, and in a manner which does not disrupt the lives of others. A person whose conduct is outside these parameters will be subject to the judicial rules and procedures of the university.

It is not double jeopardy for both the civil authorities and the university to proceed against and punish a person for the same specified conduct. The university will initiate its own disciplinary proceedings against a student, faculty member, administrator, or other employee when the alleged conduct is deemed to affect the interests of the university.

Penalties will be imposed by the university in accordance with procedural safeguards applicable to disciplinary actions against students, faculty members, administrators, and other employees, as required by Sections V and VI of Appendix D of the East Carolina University Faculty Manual, by board of governors' policies applicable to the employees exempt from the State Personnel Act, by the East Carolina University Student Judicial System, and by regulations of the State Personnel Commission.

The penalties to be imposed by the university may range from written warnings with probationary status to expulsions from enrollment and discharges from employment\*. However, the following minimum penalties shall be imposed for the particular offenses described.



## APPENDIX: SUBSTANCE ABUSE POLICY

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- (1) Trafficking in Illegal Drugs
  - (a) For the illegal manufacture, sale or delivery, or possession with intent to manufacture, sell or deliver, of any controlled substance identified in Schedule I, NC General Statutes 90-89, or Schedule II, NC General Statutes 90-90 (including, but not limited to, heroin, mescaline, lysergic acid diethylamide, opium, cocaine, amphetamine, methaqualone), any student shall be expelled and any faculty member, administrator, or other employee shall be discharged.
  - (b) For a first offense involving the illegal manufacture, sale, or delivery, or possession with intent to manufacture, sell or deliver, of any controlled substance identified in Schedules III through VI, NC General Statutes 90-91 through 90-94, (including but not limited to, marijuana, pentobarbital, codeine) the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent. For a second offense, any student shall be expelled and any faculty member, administrator, or other employee shall be discharged.
- (2) Illegal Possession of Drugs
  - (a) For a first offense involving the illegal possession of any controlled substance identified in Schedule I, NC General Statutes 90-89, or Schedule II, NC General Statutes 90-90, the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent.
  - (b) For a first offense involving the illegal possession of any controlled substance identified in Schedules III through VI, NC General Statutes 90-91 through 90-94, the minimum penalty shall be probation, for a period to be determined on a case-by-case basis. A person on probation must agree to participate in a drug education and counseling program, consent to regular drug testing, and accept such other conditions and restrictions, including a program of community service, as the chancellor or the chancellor's designee deems appropriate. Refusal or failure to abide by the terms of probation shall result in suspension from enrollment or from employment for any unexpired balance of the prescribed period of probation.
  - (c) For second or other subsequent offenses involving the illegal possession of controlled substances, progressively more severe penalties shall be imposed, including expulsion of students and discharge of faculty members, administrators, or other employees.
- (3) Possession and Use of Alcohol
  - (a) For offenses involving the illegal possession, use, sale and/or distribution of alcohol in violation of NC General Statutes 18B-300 & 18B-301 & 302: 18B-1006 (a); or Greenville Ordinance No. 812-1-2, a student will be subjected to a progressive penalty system based on the type of infraction and the circumstances involved. Penalties may be a warning, probation, fine, volunteer community service, and/or removal from the residence system or the university.
  - (b) In certain circumstances, involvement in an alcohol education and/or counseling program may be offered to a student in lieu of being referred to the honor board with a recommendation for suspension. Specifically, a student given this option will be required to participate in a program of assessment, education and counseling; pay a fee of sixty dollars (\$60), and be placed on university probation. A student may participate in this program only once in lieu of disciplinary action.
  - (c) University employees subject to the State Personnel Act may be disciplined in accordance with the rules and regulation for personal misconduct, i.e., final written warning, which may include a three (3) day suspension without pay, or dismissal.

When a student, faculty member, administrator, or other employee has been charged by the university with a violation of policies concerning illegal drugs or alcohol, he or she may be suspended from enrollment or employment before initiation or completion of regular disciplinary proceedings if, assuming the truth of the charges, the chancellor or, in the chancellor's absence, the chancellor's designee concludes that the person's continued presence within the university community would constitute a clear and immediate danger to the health or welfare of other members of the university community; provided, that if such a suspension is imposed, an appropriate hearing of the charges against the suspended person shall be held as promptly as possible thereafter.

In the case of employees, anyone convicted of a criminal drug statute violation occurring in the workplace shall notify the university no later than five days after such a conviction. The university will commence disciplinary action against such an individual within thirty (30) days of notice of the conviction.

### **Responsibilities Under This Policy**

Authority to implement the policy shall reside in the chancellor.

The chancellor shall designate a coordinator of drug and alcohol education who shall, acting under the authority of the chancellor, be responsible for overseeing all actions and programs relating to this policy.

All employees and students shall be responsible for abiding by the provisions of this policy. In the case of employees, adherence with the provisions of the policy shall be a condition of employment.

The chancellor will render an annual report to the board of trustees on the effectiveness of this policy.

### **Dissemination of This Policy**

A copy of this policy shall be given annually to each employee and to all new employees at the beginning of their employment. Each student shall receive a copy and new students shall be given a copy during orientation.

The policy shall be printed on appropriate student documents and posted on official bulletin boards of the university.

Amended October, 1990

The Board of Trustees of East Carolina University

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## BUILDING ABBREVIATIONS

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### USED ON STUDENT SCHEDULES KEYED TO MAP

|    |     |  |
|----|-----|--|
| A  | 6   | Austin Building                                  |
| AH | 13  | Allied Health (Belk Building)                    |
| B  | 5   | Biology (Howell Science Complex)                 |
| BA | 8   | Brewster (Wing A)                                |
| BB | 8   | Brewster (Wing B)                                |
| BC | 8   | Brewster (Wing C)                                |
| BD | 8   | Brewster (Wing D)                                |
| BN | 5   | Biology North (Howell Science Complex)           |
| BS | 5   | Biology South (Howell Science Complex)           |
| C  |     | Clinic   |
| CH | 7   | Christenbury Memorial Gym                        |
| CL | 123 | Developmental Evaluation Clinic (Irons Building) |
| EL | 58  | Eller (formerly Maritime History)                |
| F  | 2   | Flanagan Building                                |
| GC | 95  | Bate Building                                    |
| GR | 3   | Graham Building                                  |
| H  | 91  | Pitt County Memorial Hospital                    |
| HE | 10  | Human Environmental Sciences (Rivers Building)   |
| J  | 14  | Jenkins Fine Arts Center                         |
| L  | 1   | Library (Joyner)                                 |
| LA | 1   | Library (Joyner) Basement                        |
| MB | 9   | Music Building (Fletcher)                        |
| MC | 37  | Minges Coliseum                                  |
| MS | 15  | Brody Medical Science Building                   |
| MT | 33  | McGinnis Auditorium                              |
| NB | 10  | Nursing (Rivers Building)                        |
| NC | 47  | Old Cafeteria Building                           |
| PE | 5   | Physics (Howell Science Complex)                 |
| R  | 4   | Rawl Building                                    |
| RG | 85  | Ragsdale Hall                                    |
| SM | 97  | Sports Medicine Building (Ward)                  |
| SP | 12  | Speight Building                                 |
| TA | 34  | Messick Theatre Arts Center                      |
| TL |     | Industry and Technology Annex                    |
| WA | 32  | Wright Annex                                     |
| WB | 31  | Whichard Building                                |