East Carolina University

Undergraduate Catalog 2008–2009

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 minority students. An equal opportunity/affirmative action employer, which accommodates the needs of individuals with disabilities.

UNIVERSITY TELEPHONE NUMBERS

University Operator: 252-328-6131
Office of Admissions (undergraduate): 252-328-6640
The Graduate School (admissions): 252-328-6012
Records and Transcripts: 252-328-6524

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 catalog went to press are subject to revision by the appropriate governing bodies of East Carolina University.

Course Pre and Corequisite Key: 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.

Distance Education: The DE and DE-P icons indicate programs that are offered (entirely or partially) through distance education.

Degree Requirements: The courses listed as degree requirements in section 8 may have prerequisites or corequisites beyond those that are listed in section 8. See section 9 for complete course description, including prerequisites and corequisites.

Foundations Curriculum Course Credit Key: Some courses that carry foundations curriculum credit are identified in the course listing in section 9, using the following notation; however, there may be other courses that also carry foundations curriculum credit. Courses in a student's major prefix area may not count toward his or her foundations curriculum requirements.

FC:EN = English
FC:EX = Exercise and Sport Science
FC:FA = Fine Arts
FC:HL = Health
FC:HU = Humanities
FC:MA = Mathematics
FC:SC = Science
FC:SO = Social Science

Semester of Course Offering Key: The semester in which courses are anticipated to be offered is designated in sections 8 and 9 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.

Writing-intensive Course Key: Courses in sections 8 and 9 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.

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 Admissions, 106 Whichard, East Carolina University, Greenville, NC 27858-4353.

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East Carolina University

BULLETIN

2008-2009
UNDERGRADUATE CATALOG

This catalog is not the official ECU undergraduate catalog.

Access **www.ecu.edu/cs-acad/aa/SrchCatalog.cfm** for the offical version of the 2008-2009 catalog for updates throughout the academic year.

EAST CAROLINA UNIVERSITY BULLETIN (USPS 164-400)

Vol. 92 April 2008 No. 3

UNIVERSITY BULLETINS AND OTHER PUBLICATIONS

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Bulletins 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
Bulletins of the Division of Continuing Studies – Director of Continuing Studies
- Distance Education Course Announcements
- Noncredit Courses

The schedule of courses is available on-line at www.onestop.ecu.edu. Questions about course availability should be addressed to the Office of the Registrar.

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UNIVERSITY CALENDARS 2008-2009*

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 2008
FIRST TERM

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

March 17, Monday	Last day to apply for admission to Graduate School for first summer term.
May 16, Friday	Schedules canceled for all who have not paid fees by 4:00 p.m.
May 19, Monday	New student registration and schedule changes.
May 20, Tuesday	Classes begin; late registration; schedule changes.
May 21, Wednesday	Last day for late registration and schedule changes (drop and add) for first term by 5:00 p.m.
May 22, Thursday	Last day for schedule changes (add only) by 5:00 p.m.
May 26, Monday	Memorial Day Break (no classes).
June 3, Tuesday	Last day for undergraduate students to drop term-length courses or withdraw from school without grades by 5:00 p.m. Block courses may be dropped only during the first 40 percent of regularly scheduled class meetings.
June 18, Wednesday	Last day for graduate students to drop courses without grades.
June 24, Tuesday	Classes end. Last day to submit grade replacement requests.
June 25, Wednesday	Final examinations.

SECOND TERM

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

May 1, Thursday	Last day to apply for admission to Graduate School for second summer term.
June 23, Monday	Schedules canceled for all who have not paid fees by 4:00 p.m.
June 25, Wednesday	New student registration and schedule changes.
June 26, Thursday	Classes begin; late registration; schedule changes.
June 27, Friday	Last day for late registration and schedule changes (drop and add) for second term by 5:00 p.m.
June 30, Monday	Last day for schedule changes (add only) by 5:00 p.m.
July 4, Friday	State Holiday (no classes).
July 10, Thursday	Last day for undergraduate students to drop term-length courses or withdraw from school without grades by 5:00 p.m. Block courses may be dropped only during the first 40 percent of regularly scheduled class meetings.
July 21, Monday	Last day to submit thesis to Graduate School for completion of degree in summer session.
July 25, Friday	Last day for graduate students to drop courses without grades.
July 31, Thursday	Classes end. Last day to submit grade replacement requests.
August1, Friday	Final examinations; last day to submit appeals for readmission for fall semester.

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

11-WEEK SUMMER SESSION 2008

(Actual class days: 9 Mondays, 11 Tuesdays, 10 Wednesdays, 11 Thursdays, 9 Fridays, 1 final exam day)

March 17, Monday	Last day to apply for admission to Graduate School for summer term.
May 16, Friday	Schedules canceled for all who have not paid fees by 4:00 p.m.
May 19, Monday	Registration and schedule changes.
May 20, Tuesday	Classes begin; late registration; schedule changes.
May 21, Wednesday	Last day for late registration and schedule changes (drop and add) by 5:00 p.m.
May 22, Thursday	Last day for schedule changes (add only) by 5:00 p.m.
May 26, Monday	Memorial Day Break (no classes).
June 17, Tuesday	Last day for undergraduate students to drop term-length courses or withdraw from school without grades by 5:00 p.m. Block courses may be dropped only during the first 40 percent of regular scheduled class meetings.
June 25, Wednesday	Midsummer Break (no classes).
July 4, Friday	State Holiday (no classes).
July 21, Monday	Last day to submit thesis to Graduate School for completion of degree in the summer session.
July 25, Friday	Last day for graduate students to drop courses without grades.
July 31, Thursday	Classes end. Last day for submission of grade replacement requests.
August 1, Friday	Final examinations; last day to submit appeals for readmission for fall semester.

FALL SEMESTER 2008

(Actual class days: 13 Mondays, 14 Tuesdays, 15 Wednesdays, 14 Thursdays, 14 Fridays, 13 Saturdays.
Effective class days: 14 Mondays, 14 Tuesdays, 14 Wednesdays, 14 Thursdays, 14 Fridays, 13 Saturdays.)

June 2, Monday	Last day to apply for admission to Graduate School for the fall semester.
August 1, Friday	Last day to submit appeals for readmission for fall semester.
August 12, Tuesday	Fall semester fees accepted with late processing fee.
August 13, Wednesday	Schedules canceled for all who have not paid fees by 4:00 p.m.
August 18, Monday	Faculty meetings.
August 19, Tuesday	Advising, registration, and schedule adjustments.
August 20, Wednesday	Classes begin; late registration; schedule changes.
August 26, Tuesday	Last day for late registration and schedule changes (drop and add) by 5:00 p.m.
August 27, Wednesday	Last day for schedule changes (add only) by 5:00 p.m.
September 1, Monday	Labor Day holiday (no classes).
September 3, Wednesday	Last day to apply for graduation in December.
October 1, Wednesday	Last day for undergraduate students to drop term-length courses or withdraw from school without grades by 5:00 p.m. Block courses may be dropped only during the first 40 percent of regularly scheduled class meetings.
October 11-14 Saturday-Tuesday	Fall Break.
October 15, Wednesday	8:00 a.m. Classes resume. State holiday makeup day (classes which would have met on Monday, September 1, will meet on this day so there will effectively be the same number of Mondays and Wednesdays as every other weekday during the semester; Wednesday classes will not meet.)
October 20-24 Monday- Friday	Advising for spring semester 2009 begins.
October 27, Monday	Registration for spring semester 2009 begins.
November 21, Friday	Last day for undergraduate students to remove incompletes given during spring and/or summer session 2008. Last day for graduate students to drop courses without grades by 5:00 p.m.
November 24, Monday	Last day to submit thesis to the Graduate School for completion of degree in this term.
November 26-30 Wednesday-Sunday	Thanksgiving break.
December 1, Monday	8:00 a.m. classes resume.
December 3, Wednesday	Classes end. Last day for submission of grade replacement requests. Last day for graduate students to remove incompletes given during fall 2007.
December 4, Thursday	Reading Day.
December 5, Friday	Final examinations begin.
December 12, Friday	4:30 p.m. Exams for fall semester close; last day to submit appeals for readmission for Spring semester.
December 13, Saturday	Commencement.

EXAMINATION SCHEDULE
FALL SEMESTER 2008

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. The final exam meeting is required in order to satisfy the 750 contact minutes per credit hour required by the University of North Carolina Office of the President.

Classes beginning 6:00 p.m. or later are considered night classes. Examinations in classes meeting one night a week will be held at 7:30-10:00 p.m. on the first night of their usual meeting during the examination period (December 5-December 12). Examinations in classes meeting two or more nights a week and beginning before 8:00 p.m. will be held at 7:30-10:00 p.m. on the first night of their usual meeting during the examination period (December 5-December 12). Examinations in classes meeting two or more nights a week and beginning at or after 8:00 p.m. will be held at 7:30-10:00 p.m. on the second night of their usual meeting during the examination period (December 5-December 12). Classes meeting on Saturday morning will have the final examination on Saturday, December 6, at the usual hour at which the class meets.

Those classes beginning on the half hour or meeting longer 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:

FREN 1001, 1003, SPAN 1001, 1004, GERM 1001 ..... 5:00-7:30 Friday, December 5
FREN 1002, SPAN 1002, 1003, GERM 1002 ..... 5:00-7:30 Monday, December 8
MATH 1065 ..... 5:00-7:30 Tuesday, December 9
CHEM 0150, 1120, 1130, 1150, 1160 ..... 5:00-7:30 Wednesday, December 10
CHEM 1121, 1131, 1151, 1161, 2753, 2763 ..... 5:00-7:30 Thursday, December 11

Times class regularly meets	Time and day of examination
8:00 MWF	8:00 - 10:30 Wednesday, December 10
8:00 TTh	8:00 - 10:30 Friday, December 12
9:00 MWF	8:00 - 10:30 Friday, December 5
9:00 TTh (9:30)	8:00 - 10:30 Tuesday, December 9
10:00 MWF	8:00 - 10:30 Monday, December 8
10:00 TTh	8:00 - 10:30 Thursday, December 11
11:00 MWF	11:00 - 1:30 Wednesday, December 10
11:00 TTh	11:00 - 1:30 Thursday, December 11
12:00 MWF	11:00 - 1:30 Friday, December 5
12:00 TTh (12:30)	11:00 - 1:30 Tuesday, December 9
1:00 MWF	11:00 - 1:30 Monday, December 8
1:00 TTh	11:00 - 1:30 Friday, December 12
2:00 MWF	2:00 - 4:30 Wednesday, December 10
2:00 TTh	2:00 - 4:30 Friday, December 12
3:00 MWF (3:30)	2:00 - 4:30 Friday, December 5
3:00 TTh (3:30)	2:00 - 4:30 Thursday, December 11
4:00 MWF	2:00 - 4:30 Monday, December 8
4:00 TTh	2:00 - 4:30 Tuesday, December 9
5:00 MWF	5:00 - 7:30 Monday, December 8
5:00 TTh	5:00 - 7:30 Tuesday, December 9

SPRING SEMESTER 2009

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

October 15, Wednesday	Last day to apply for admission to Graduate School for the spring semester.
December 12, Friday	Last day to submit appeals for readmission for spring semester.
January 5, Monday	Spring semester fees accepted with late processing fee.
January 6, Tuesday	Class schedules canceled for all who have not paid fees by 4:00 p.m.
January 8, Thursday	Advising and schedule adjustments.
January 9, Friday	Classes begin; late registration; schedule changes.
January 15, Thursday	Last day for late registration and schedule changes (drop and add) by 5:00 p.m.
January 16, Friday	Last day for schedule changes (add only) by 5:00 p.m.
January 19, Monday	State Holiday (no classes).
January 23, Friday	Last day to apply for graduation in May.
February 20, Friday	Last day for undergraduate students to drop term-length courses or withdraw from school without grades by 5:00 p.m. Block courses may be dropped only during the first 40 percent of regularly scheduled class meetings.
March 8-15 Sunday - Sunday	Spring Break.
March 16, Monday	8:00 a.m. Classes resume.
March 16-20 Monday - Thursday	Advising for summer session and fall semester 2009.
March 23, Monday	Registration for summer session and fall semester 2009 begins.
April 10-11 Friday-Saturday	State Holiday (no classes).
April 16, Thursday	Undergraduate students last day to remove incompletes given during fall semester 2008. Last day for graduate students to drop courses without grades by 5:00 p.m.
April 17, Friday	Last day to submit thesis to the Graduate School for completion of degree in this term.
April 27, Monday	Classes end. Last day for submission of grade replacement requests. Graduate students last day to remove incompletes given during spring and/or summer session 2008.
April 28-29 Tuesday-Wednesday	Reading Days.
April 30, Thursday	Final examinations begin.
May 7, Thursday	Exams for spring semester close at 4:30 p.m.
May 8, Friday	Commencement.

EXAMINATION SCHEDULE
SPRING SEMESTER 2009

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. The final exam meeting is required in order to satisfy the 750 contact minutes per credit hour required by the University of North Carolina Office of the President.

Classes beginning 6:00 p.m. or later are considered night classes. Examinations in classes meeting one night a week will be held at 7:30-10:00 p.m. on the first night of their usual meeting during the examination period (April 30-May 7). Examinations in classes meeting two or more nights a week and beginning before 8:00 p.m. will be held at 7:30-10:00 p.m. on the first night of their usual meeting during the examination period (April 30-May 7). Examinations in classes meeting two or more nights per week and beginning at or after 8:00 p.m. will be held at 7:30-9:30 p.m. on the second night of their usual meeting during the examination period (April 30-May 7). Classes meeting on Saturday morning will have the final examination on Saturday, May 2, at the usual hour at which the class meets.

Those classes beginning on the half hour 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:

MATH 1065 ..... 5:00-7:30 Thursday, April 30
CHEM 0150, 1120, 1130, 1150, 1160 ..... 5:00-7:30 Friday, May 1
CHEM 1121, 1131, 1151, 1161, 2753, 2763 ..... 5:00-7:30 Monday, May 4
FREN 1001, 1003; GERM 1001; SPAN 1001, 1004 ..... 5:00-7:30 Tuesday, May 5
FREN 1002; GERM 1002; SPAN 1002, 1003 ..... 5:00-7:30 Wednesday, May 6

Times class regularly meets	Time and day of examination
8:00 MWF	8:00 - 10:30 Monday, May 4
8:00 TTh	8:00 - 10:30 Tuesday, May 5
9:00 MWF	8:00 - 10:30 Wednesday, May 6
9:00 TTh (9:30)	8:00 - 10:30 Thursday, May 7
10:00 MWF	8:00 - 10:30 Friday, May 1
10:00 TTh	8:00 - 10:30 Thursday, April 30
11:00 MWF	11:00 - 1:30 Monday, May 4
11:00 TTh	11:00 - 1:30 Thursday, April 30
12:00 MWF	11:00 - 1:30 Wednesday, May 6
12:00 TTh (12:30)	11:00 - 1:30 Thursday, May 7
1:00 MWF	11:00 - 1:30 Friday, May 1
1:00 TTh	11:00 - 1:30 Tuesday, May 5
2:00 MWF	2:00 - 4:30 Monday, May 4
2:00 TTh	2:00 - 4:30 Tuesday, May 5
3:00 MWF (3:30)	2:00 - 4:30 Wednesday, May 6
3:00 TTh (3:30)	2:00 - 4:30 Thursday, April 30
4:00 MWF	2:00 - 4:30 Friday, May 1
4:00 TTh	2:00 - 4:30 Thursday, May 7
5:00 MWF	5:00 - 7:30 Monday, May 4
5:00 TTh	5:00 - 7:30 Thursday, April 30

SUMMER SESSION 2009
FIRST TERM

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

March 16, Monday	Last day to apply for admission to Graduate School for first summer term.
May 15, Friday	Schedules canceled for all who have not paid fees by 4:00 p.m.
May 18, Monday	New student registration and schedule changes.
May 19, Tuesday	Classes begin; late registration; schedule changes.
May 20, Wednesday	Last day for late registration and schedule changes (drop and add) for first term by 5:00 p.m.
May 21, Thursday	Last day for schedule changes (add only) by 5:00 p.m.
May 25, Monday	Memorial Day Break (no classes).
June 2, Tuesday	Last day for undergraduate students to drop term-length courses or withdraw from school without grades by 5:00 p.m. Block courses may be dropped only during the first 40 percent of regularly scheduled class meetings.
June 17, Wednesday	Last day for graduate students to drop courses without grades by 5:00 p.m.
June 23, Tuesday	Classes end. Last day to submit grade replacement requests.
June 24, Wednesday	Final examinations.

SECOND TERM

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

May 1, Friday	Last day to apply for admission to Graduate School for second summer term
June 22, Monday	Schedules canceled for all who have not paid fees by 4:00 p.m.
June 24, Wednesday	New student registration and schedule changes
June 25, Thursday	Classes begin; late registration; schedule changes
June 26, Friday	Last day for late registration and schedule changes (drop and add) for second term by 5:00 p.m.
June 29, Monday	Last day for schedule changes (add only) by 5:00 p.m.
July 3, Friday	State Holiday (no classes)
July 9, Thursday	Last day for undergraduate students to drop term-length courses or withdraw from school without grades by 5:00 p.m. Block courses may be dropped only during the first 40 percent of regularly scheduled class meetings.
July 20, Monday	Last day to submit thesis to Graduate School for completion of degree in summer session
July 24, Friday	Last day for graduate students to drop courses without grades by 5:00 p.m.
July 30, Thursday	Classes end. Last day to submit grade replacement requests.
July 31, Friday	Final examinations; last day to submit appeals for readmission for fall semester

11-WEEK SUMMER SESSION 2009

(Actual class days: 9 Mondays, 11 Tuesdays, 10 Wednesdays, 11 Thursdays, 9 Fridays, 1 final exam day)

March 16, Monday	Last day to apply for admission to Graduate School for summer term.
May 15, Friday	Schedules canceled for all who have not paid fees by 4:00 p.m.
May 18, Monday	Registration and schedule changes.
May 19, Tuesday	Classes begin; late registration; schedule changes.
May 20, Wednesday	Last day for late registration and schedule changes (drop and add) by 5:00 p.m.
May 21, Thursday	Last day for schedule changes (add only) by 5:00 p.m.
May 25, Monday	Memorial Day Break (no classes).
June 16, Tuesday	Last day for undergraduate students to drop term-length courses or withdraw from school without grades by 5:00 p.m. Block courses may be dropped only during the first 40 percent of regular scheduled class meetings.
June 24, Wednesday	Midsummer Break (no classes).
July 3, Friday	State Holiday (no classes).
July 20, Monday	Last day to submit thesis to Graduate School for completion of degree in the summer session.
July 24, Friday	Last day for graduate students to drop courses without grades by 5:00 p.m.
July 30, Thursday	Classes end. Last day for submission of grade replacement requests.
Juy 31, Friday	Final examinations; last day to submit appeals for readmission for fall semester.

1907-2007
CENTENNIAL

Welcome To
EAST CAROLINA UNIVERSITY

On July 2, 1908, former governor Thomas Jordan Jarvis, considered to be the father of East Carolina University, made the following remark as he broke ground for a teachers training school where Jarvis Residence Hall now stands:

"We can never begin to calculate the value it will be to North Carolina."

The teachers college, chartered by the North Carolina General Assembly on March 8, 1907, as a two-year normal school, opened its first regular session on October 5, 1909, with 174 men and women students enrolled. The first graduating class received diplomas on June 6, 1911. The years that followed revealed the accuracy of Jarvis' statement.

Since its inception in 1907, East Carolina has evolved from a teachers training school to a national research university. The student population has grown from 147 to over 25,000. The campus now includes more than 160 buildings in four locations: the central campus, health sciences, athletics, and west research campus. The university's academic programs are housed in ten colleges and professional schools, including the Brody School of Medicine at East Carolina University.

East Carolina University has become the institution that was envisioned by its early leaders, fulfilling its motto, "to serve." Today's leadership continues to build upon the foundation laid by Robert H. Wright, the first president of the university:

> *We will give to the rising generation the purest inheritance of the nation and better preparation than has ever been given to a preceding generation. This school is an expression of that determination; it was built by the people, for the people, and may it ever remain with the people, as a servant of the people.*

In North Carolina, all public educational institutions that grant baccalaureate degrees are part of The University of North Carolina. Of the sixteen constituent institutions of the multicampus state university, East Carolina University is the third largest. The University of North Carolina includes Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, North Carolina School of the Arts, North Carolina State University, the University of North Carolina at Asheville, the University of North Carolina at Chapel Hill, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, the University of North Carolina at Pembroke, the University of North Carolina at Wilmington, Western Carolina University, and Winston-Salem State University. The North Carolina School of Science and Mathematics, a residential high school for gifted students, is an affiliated school of The University of North Carolina.

OUR MISSION

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.

ORGANIZATION OF THE UNIVERSITY OF NORTH CAROLINA

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.

BOARD OF GOVERNORS

Jim W. Phillips, Jr, Chairman
J. Craig Souza, Vice Chairman
Estelle "Bunny" Sanders, Secretary

Terms Expiring in 2009

Bradley T. Adcock, Durham
Peaches Gunter Blank, Nashville
Laura W. Buffaloe, Roanoke Rapids
Phillip R. Dixon, Greenville
Ray S. Farris, Charlotte
Dudley E. Flood, Raleigh
Hannah D. Gage, Wilmington
H. Frank Grainger, Cary
Charles H. Mercer, Jr., Raleigh
Fred G. Mills, Raleigh
Jim W. Phillips, Jr., Greensboro
Irvin A. Roseman, Wilmington
William G. Smith, Durham
J. Craig Souza, Raleigh
J. Bradley Wilson, Durham
David W. Young, Asheville

Terms Expiring in 2011

Brent D. Barringer, Cary
R. Steve Bowden, Greensboro
Clarice Cato-Goodyear, Charlotte
Frank A. Daniels, Jr., Raleigh
John W. Davis III, Winston-Salem
Ann B. Goodnight, Cary
Peter D. Hans, Raleigh
Charles A. Hayes, Raleigh
Adelaide Daniels Key, Asheville
G. Leroy Lail, Hickory
Ronald Leatherwood, Waynesville
Cheryl R. Locklear, Red Springs
Marshall B. Pitts, Jr., Fayetteville
Gladys Ashe Robinson, Greensboro
Estelle W. "Bunny" Sanders, Roper
Priscilla P. Taylor, Chapel Hill

Emeriti Members

James E. Holshouser, Jr., Southern Pines

Ex-Officio Member

Cody Grasty, President, UNC Association of Student Governments

OFFICERS OF ADMINISTRATION

The University of North Carolina Board of Governors elects a president, who administers The University of North Carolina.

Erskine B. Bowles, BA, MBA, President

Harold L. Martin, BS, MS, PhD, Senior Vice President for Academic Affairs

Joni Worthington, BS, MA, Associate Vice President for Communications and Special Assistant to the President

Bart Corgnati, BS, MS, Secretary of the University

Steven Leath, BS, MA, PhD, Vice President for Research and Sponsored Programs

Laura Luger, AB, JD, Vice President and General Counsel

ORGANIZATION OF EAST CAROLINA UNIVERSITY

Each institution has a board of trustees, which holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

BOARD OF TRUSTEES

Bruce N. Austin, Jr., Manteo, 2009

William H. Bodenhamer, Jr., Fort Lauderdale, 2011

Robert G. Brinkley, Charlotte, 2011

David S. Brody, Kinston, 2011

Joel K. Butler, Grimesland, 2009

Robert J. Greczyn, Jr., Durham, 2011

Robert O. Hill, Jr., Kinston, 2009

Robert V. Lucas, Selma, 2009

Carol M. Mabe, Greensboro, 2011

E. David Redwine, Ocean Isle Beach, 2011

Mark E. Tipton, Raleigh, 2009

Margaret C. Ward, Burlington, 2009

Andrew H. Griffin, President, Student Government Association, Ex-officio

OFFICERS OF ADMINISTRATION

Each of the sixteen constituent institutions is headed by a chancellor, who is elected by the Board of Governors on the president's nomination and is responsible to the president.

Office of the Chancellor

Steve Ballard, BA, PhD, Chancellor

Karen R. Stokes, BA, JD, Chief of Staff

Judith I. Bailey, BA, MAEd, EdD, Senior Executive Director of Enrollment Management

John Durham, BA, MA, Executive Director of University Communications and Assistant Secretary to the Board of Trustees

Kimberly Baker-Flowers, BA, JD, Chief Diversity Officer

Claudia McCann, BA, MA, Interim Director of Institutional Planning, Research, and Effectiveness

Stacie Tronto, BSA, MBA, CIA, CISA, CFE, Director, Internal Audit

Donna Gooden Payne, JD, Univeristy Attorney

Office of the Provost and Vice Chancellor for Academic and Student Affairs

Marilyn A. Sheerer, BS, MS, PhD, Interim Provost and Vice Chancellor for Academic and Student Affairs

Austin W. Bunch, BAEd, MEd, PhD, Associate Provost

David Conde, BA, MA, PhD, Senior Associate Vice Chancellor for Special Initiatives

Elmer L. Poe, BS, MS, PhD, Associate Vice Chancellor for Academic Outreach and Interim Chair, Department of Technology Systems

Linner W. Griffin, BA, MSW, EdD, Associate Vice Chancellor for Academic Programs

Lynn Roeder, BA, MAEd, PhD, Associate Vice Chancellor and Dean of Students

Joe S. Gaddis, BSBA, Associate Vice Chancellor for Financial Administration

Ruth Ann Cook, AA, Associate Vice Chancellor for Personnel Administration

Linda M. Ingalls, Associate Vice Chancellor for Personnel Administration

Michael F. Bassman, BA, MAT, MA, PhD, Assistant Vice Chancellor and Director, Honors Program, EC Scholars, and Undergraduate Research

Kemal M. Atkins, BA, MA, Vice Provost for Student Affairs

David Weismiller, MD, Assistant Provost for Institutional Accreditation

Todd K. Johnson, BBA, MS, Associate Vice Chancellor for Housing and Dining Services

Sharon Morris Bland, BSW, MAEd, Assistant Vice Chancellor for Academic Program Development

Susan E. Chapman, BSBE, MBA, Assistant Vice Chancellor for Administrative Services for Academic and Student Affairs

Carolyn L. Miller, BS, MA, Assistant Vice Chancellor for Campus Living

Nancy J. Mize, BS, MA, Assistant Vice Chancellor for Campus Recreation and Wellness

Sue J. Martin, BS, MPA, Assistant Vice Chancellor for the Career Center and Student Employment

Carla Jones, BA, MA, Assistant Vice Chancellor for Communications

Dorothy H. Muller, BA, MA, PhD, Director, Center for Faculty Excellence

Rosina Chia, BS, MA, PhD, Assistant Vice Chancellor for Global Academic Initiatives

Lathan E. Turner, BSBA, MAEd, EdD, Assistant Vice Chancellor for Intercultural Student Affairs

Rita Gonsalves, BA, MA, MS, CAS, Director, Volunteerism and Service-Learning Center

Corey A. King, BS, MS, EdD, Assistant Vice Chancellor for Student Experiences

Taffye Clayton, BA, MA, Special Assistant to the Provost for Equal Opportunity and Equity

Larry Boyer, BA, MA, MSLS, PhD, Dean of Academic Library and Learning Resources

Laura W. Sweet, BS, MS, Associate Dean of Students

James H. Bearden, BS, MA, PhD, Director, BB&T Center for Leadership Development

Karen Warren, BS, MS, Director, Campus Wellness

Liz Johnston, BA, MAEd, Director, Disability Support Services, ADA Coordinator

F. Clayton Sessoms, BSL, MAEd, Director, Division of Continuing Studies

James N. Gehlhar, BA, PhD, Associate Vice Chancellor for International Affairs

Wayne Newnam, BFA, Director, Marketing

Michelle Lieberman, BA, MA, Director, Center for Off-Campus and Community Living

Davis Travis, BA, MSed, Director, Student Experiences

Jolene C. Jernigan, RN BC, FNP, Director, Student Health Service

Margaret Olszewska, BS, Med, EdD, Director, Student Rights and Responsibilities

James W. Kirkland, AB, MA, PhD, Interim Director, University Writing Program

Administration and Finance

Kevin R. Seitz, BS, MBA, Vice Chancellor for Administration and Finance

A. Scott Buck, BSBA, Associate Vice Chancellor for Administration and Finance-Business Services

William R. Koch, BS, MSE, Associate Vice Chancellor for Environmental Health, Safety, Parking and Transportation and Interim Associate Vice Chancellor for Campus Operations

Anne W. Jenkins, BA, MBA, Associate Vice Chancellor for Financial Services

John M. Toller, MS, Associate Vice Chancellor for Human Resources

C. Steve Duncan, BA, MT, PhD, Assistant Vice Chancellor for Operations, Planning, and Development and Military Programs

Jack Brinn, BA, MA, PhD, Associate Vice Chancellor and Chief Information Officer

Health Sciences

Phyllis N. Horns, RN, DSN, FAAN, Interim Vice Chancellor for Health Sciences and Interim Dean, Brody School of Medicine

W. Randolph Chitwood, Jr., MD, Senior Associate Vice Chancellor for Health Sciences

Gary R. Vanderpool, BA, MPH, Executive Associate Vice Chancellor for Health Sciences Administration and Finance

Gregory L. Hassler, JD, Associate University Attorney

Dorothy A. Spencer, MSL, PhD, Associate Vice Chancellor for Communication and Information Resources and Director, Laupus Health Sciences Library

Carole Novick, Associate Vice Chancellor for Health Sciences Development and Alumni Affairs and President, Medical and Health Sciences Foundation of ECU

John Lehman, PhD, Associate Vice Chancellor for Health Sciences Research

D. Gregory Chadwick, MS, DDS, Associate Vice Chancellor for Oral Health and Interim Dean, School of Dentistry

Peter J. Kragel, MD, Associate Vice Chancellor for Planning and Program Development

Thomas G. Irons, MD, Associate Vice Chancellor for Regional Health Services

Lisa W. Sutton, BA, MA, Assistant Vice Chancellor for Health Sciences Personnel Administration

Stephen W. Thomas, EdD, Dean, College of Allied Health Sciences

Sylvia T. Brown, RN, EdD, CNE, Acting Dean, College of Nursing

Stephen E. Willis, MD, Executive Director, Eastern AHEC

Jim Mitchell, PhD, Director, Center on Aging

Robert J. Tanenberg, MD, FACP, Director, Diabetes and Obesity Center

Christopher J. Mansfield, BA, MS, PhD, Director, Center for Health Services Research and Development

Maria C. Clay, PhD, Co-Director, Office of Interdisciplinary Health Sciences Education and Director of the Office of Clinical Skills Assessment and Education

Doyle M. Cummings, PharmD, Co-Director, Office of Interdisciplinary Health Sciences Education

Charles F. Wilson, MD, Director, Health Promotion and Policy Development

Marian L. Swinker, MD, MPH, Director, Office of Prospective Health

University Advancement

Michael B. Dowdy, BA, MBA, Vice Chancellor for University Advancement

Paul J. Clifford, BA, Associate Vice Chancellor, Alumni Relations

Rory C. Manaro, BA, Assistant Vice Chancellor, Major Gifts

Greg L. Abeyounis, BS, MA, Assistant Vice Chancellor, University Development

Donald Y. Leggett, BS, MA, Special Assistant to the Vice Chancellor

William F. Clark, BS, MBA, President, ECU Foundation, Inc.

Carole L. Novick, BS, President, ECU Medical and Health Sciences Foundation, Inc. and Associate Vice Chancellor for Health Sciences Development and Alumni Affairs

Kay B. Murphy, BSBA, MAEd, EdD, Director, Advancement Services

Christy L. Deardorff, BA, Director, Annual Giving

Sharon K. Hamilton, BA, Director, Corporate and Foundation Relations

T. Greg Prince, BA, EdM, Director of Development, Health Sciences Division

Vicky H. Morris, BA, MAEd, Director, Donor Relations and Scholarships

R. Clint Bailey, BS, MBA, Director, University Marketing

Research and Graduate Studies

Deirdre M. Mageean, BSSc, MA, PhD, Vice Chancellor for Research and Graduate Studies

Paul J. Gemperline, BS, PhD, Associate Vice Chancellor for Research and Graduate Studies

J. Ted Morris, BA, MA, PhD, Associate Vice Chancellor for Economic Development

Andrea L. Harrell, AA, BA, Assistant Vice Chancellor for Administration

Patrick J. Pellicane, BS, MA, MS, PhD, Dean, Graduate School

Kristen S. Borre, BA, MPH, MA, PhD, Director, North Carolina Agromedicine Institute

Kathleen Hall, BA, Interim Director, Office of Sponsored Programs and Director of the Office of Grants and Contracts

Jamie L. Kruse, PhD, Interim Director, Center for Coastal Systems Informatics and Modeling

Suzanne Sparrow, Interim Administrative Director, University and Medical Center Institutional Review Board
Nancy M. White, AB, MLA, PhD, Founding Director, UNC Coastal Studies Institute
John Rummel, BA, PhD, Director, Institute for Interdisciplinary Coastal Science and Policy
Patrick J. Long, Director, BA, MAEd, EdD, Director, North Carolina Center for Sustainable Tourism
John W. Chinn, BS, MBA, Director, University Research Compliance
Doyle Cummings, BS, PharmD, Co-Director, ECU Health Disparities Research Center
Christopher J. Mansfield, BA, MS, PhD, Co-Director, ECU Health Disparities Research Center
Robert G. Carroll, PhD, Chair, Institutional Animal Care and Use Committee (IACUC)

Athletics

M. Terrence Holland, BA, Director of Athletics
Ralph N. Floyd, Jr., BS, MBA, Executive Associate Director of Athletics
Jimmy F. Bass, BA, MASA, Senior Associate Director of Athletics
Dennis A. Young, BSBA, Associate Director of Athletics
Rosie Thompson, BS, MAEd, Associate Director of Athletics/Senior Woman Administrator
Lee D. Workman, BS, MS, Associate Director of Athletics, Special Projects
Jerry E. McLamb, BS, Assistant Director of Athletics, Administrative Affairs
Gary P. Overton, BS, MA, PhD, Assistant Director of Athletics, Internal Affairs
Scott R. Wetherbee, BS, Assistant Director of Athletics, Marketing and Ticket Operations
Michael J. Hanley, BS, MS, Assistant Director of Athletics, Medical Services
Oneida R. Boyce, BA, MA, Assistant Director of Athletics, Student Development
Thomas R. McClellan, BA, MS, Director, Media Relations
Barry C. Brickman, BA, MS, Business Manager
Jeffrey C. Purtee, Director, Electronic Media (Voice of the Pirates)

Information Technology and Computing Services

Jack Brinn, BA, MA, PhD, Associate Vice Chancellor and Chief Information Officer
Joe R. Norris, BS, Associate CIO/Director, Chief Technology Officer
Donald D. Sweet, AA, BS, MEd, Associate CIO/Director, Information Technology Software Development Services
Marlene Anderson, Director, Administrative Support Services
Woodrow W. Bolton, Director, Information Technology Infrastructure
Margaret Streeter, Director, Information Technology Security
Patsy Mills, Director, IT Finance and Planning
Robert L. Hudson, BSBA, Director, Network Services

MEMBERSHIPS AND ACCREDITATIONS

East Carolina University is a member of, or is accredited* by the following, as well as other organizations in the individual disciplines.

Academic Common Market
Accreditation Association for Ambulatory Health Care, Inc. *
Accreditation Council on Continuing Medical Education
Accreditation Council for Graduate Medical Education
Accreditation Council for Occupational Therapy Education of the American Occupational Therapy Association*
Accreditation Review Committee on Education for Physician Assistant, Inc. in concert with the Commission on Accreditation of Allied Health Education Programs*
Administration of Accounting Programs Group, American Accounting Association
American Academy of Religion
American Alliance for Health, Physical Education, Recreation and Dance*
American Anthropological Association
American Association for Marriage and Family Therapy*
American Association of Colleges of Nursing
American Association of Colleges for Teacher Education
American Association of Family and Consumer Sciences
American Association of School Librarians*
American Association of State Colleges and Universities
American Chemical Society*
American College Health Association
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 on the Teaching of Foreign Languages*
American Council of Learned Societies
American Dietetic Association*
American Historical Association
American Institute of Ultrasound in Medicine
American Library Association
American Mathematical Society
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 for Childhood Education International*
Association of Academic Health Centers
Association of Academic Health Sciences Libraries
Association to Advance Collegiate Schools of Business International*
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 of Continuing Higher Education
Association of Environmental Health Academic Programs
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
Association of University Programs in Health Administration
Association of University Research Parks
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 Accreditation of Athletic Training Education
Commission on Accreditation of Medical Physics Educational Programs
Commission on Accreditation for Health Informatics and Information Management Education*
Commission on Accreditation in Physical Therapy Education*
Conference USA
Consortium for Oceanographic Research and Education
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
Council of Graduate Schools in the United States
Council on Collegiate Education in Nursing
Council for Exceptional Students*
Council for Higher Education Accreditation
Council for Interior Design Accreditation * (formerly FIDER)
Council on Postsecondary Accreditation
Council on Rehabilitation Education*
Council on Social Work Education*
Council on Undergraduate Research
Educational Leadership Constituent Council*
Fulbright Association
Health Education Accreditation of Allied Health Education Programs/Joint Review Committee on Educational Programs in Athletic Training*
Homeland Security Defense Education Consortium
International Association of Buddhist Studies
International Association of Campus Law Enforcement Administrators

International Association of Counseling Services
International Association of Management Education
International Association of Performing Arts Administrators
International Association of Tibetan Studies
International Council of Hotel, Restaurant, and Institutional Education
International Dance Education Association
International Parking Institute Congress
International Publishing Management Association
International Technology Education Association
International Ticketing Association
Intrafilm
Joint Commission for Ambulatory and Health Organization*
Joint Commission on Accreditation of Healthcare Organizations
Liaison Committee on Medical Education*
Medical Library Association
Music Library Association
National Academic Consortium for Homeland Security
National Accrediting Agency for Clinical Laboratory Sciences*
National Association for Business Teacher Education
National Association for the Education of Young Children*
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
National Association of Collegiate Concessionaires
National Association of Educational Buyers
National Association of Foreign Student Advisors
National Association of Industrial Technology*
National Association of School Psychologist*
National Association of Schools of Art and Design*
National Association of Schools of Music*
National Association of Schools of Public Affairs and Administration*
National Association of State Universities and Land Grant Colleges
National Association of Student Financial Aid Administrators
National Association of Student Personnel Administrators
National Collegiate Athletic Association (NCAA)
National Collegiate Honors Council
National Commission for Cooperative Education
National Council for Accreditation of Environmental Health Curricula
National Council for Accreditation of Teacher Education*
National Council of Teachers of Mathematics
National Council of University Research Administrators
National Council on Family Relations
National Environmental Health Science and Protection Accreditation Council*
National Humanities Alliance
National Intramural-Recreational Sports Association
National Kitchen and Bath Association*
National League for Nursing Accrediting Commission*
National Middle School Association*
National Network of Libraries of Medicine
National Recreation and Parks Association/American Association for Physical Activity and Recreation/Council on Accreditation*
National Safety Council
National University Continuing Education Association
North American Association of Summer Sessions
North Carolina Alliance of Allied Health Professions
North Carolina Association for Biomedical Research
North Carolina Association of Colleges and Universities
North Carolina Association of Colleges for Teacher Education
North Carolina Association of International Educators
North Carolina Board of Nursing*
North Carolina Department of Justice, Criminal Justice Educational Training Standards Commission*
North Carolina State Board of Education*
Oak Ridge Associated Universities
Society for College and University Planning
Society for the Scientific Study of Religion
Society of Bibical Literature
Southeastern Association of Colleges and Employers
Southeastern Universities Research Association
Southern Association of Colleges and Schools*
Southern Association of College and University Business Officers
Southern Building Code Congress International
Southern Conference of Graduate Schools
Teacher Education Council of State Colleges and Universities
The College Board
The Renaissance Group
University Consortium for International Programs
University Corporation for Advanced Internet Development
University of North Carolina Exchange Program
University Risk Management Insurance Association

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 (please see Title II Report at http://www.ecu.edu/cs-educ/about2.cfm).

ACADEMIC DIVISIONS, COLLEGES, AND SCHOOLS

Division of Academic and Student Affairs
- Academic Library Services
- Thomas Harriot College of Arts and Sciences
- Division of Continuing Studies
- College of Business
- College of Education
- College of Fine Arts and Communication
- College of Health and Human Performance
- College of Human Ecology
- College of Technology and Computer Science

Division of Health Sciences
- Health Sciences Library
- College of Allied Health Sciences
- Brody School of Medicine
- College of Nursing

Division of Research and Graduate Studies
- Graduate School

ACADEMIC INTEGRITY POLICY

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 *East Carolina University Student Handbook* and in the *Faculty Manual*.

CAMPUS AND BUILDINGS

The main campus encompasses over 400 acres in an urban 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. The five 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 has over 450 acres and is the home for several research and graduate programs.

In the past ten years, the university has spent $356 million for capital improvements. Joyner Library houses over one million volumes; student services have been enhanced by the addition of Todd Dining Facility, West End Dining, and the Student Recreation Center. The health services complex has been expanded by the additions of the Warren Life Sciences Building, the Nursing, Allied Health, and Health Sciences Library Building, and the East Carolina Heart Institute; the athletic complex has grown with the expansion of Dowdy Ficklen Stadium to a capacity of 45,000 seats and the addition of a state of the art strength and conditioning center, the Murphy Center. Major renovations have been completed on Jarvis Residence Hall, Jones Residence Hall, Student Health Services, and the Wright Place. The new 288 bed College Hill residence hall project brought suite style residence accommodations. The university continues to focus resources on a comprehensive program to incorporate new technology into classroom and lab facilities.The university is completing a six-year capital expansion that will exceed $200 million. In 2003, the university completed construction of the Science and Technology Building comprised of 270,000 gross square feet of classrooms and labs. In 2006 the Nursing, Allied Health, Health Sciences Library Building at 305,000 square feet became the second largest building ever constructed on campus. In 2008, the Carol G. Belk Building renovation was completed and reopened for classroom, laboratory, and office space use. Campus beautification continues to be a priority with goal of preserving and enhancing the charming character of the campus.

A map of the university campuses with corresponding building key may be found inside the back cover of this publication. The building key for class schedules may be found following the index of this catalog.

CAMPUS LIBRARIES

J. Y. JOYNER LIBRARY

The main campus library at East Carolina University is Joyner Library, a facility where students can study alone or in groups, check out books and DVDs, read journals and magazines, use computers, and get help using library materials and databases. The library contains 1.4 million books, more than 2.5 million pieces of microform, and thousands of periodicals. In addition, all students registered at East Carolina University, regardless of location, have access to the library's subscription-based electronic

resources. Students can use these resources to find journal articles, read newspapers, and check out e-books without leaving their home or dorm room. Access is provided through the library's website at www.lib.ecu.edu. Student status is verified by Pirate ID and password. In addition, the online Joyner Library catalog can be searched from any location.

The Circulation Desk is one of the first things patrons see when entering Joyner Library from the plaza. At the desk services include, but are not limited to, the checking in or out of library materials, receiving help from library staff with locating items, and the answering of questions about the academic research library system and its services. Your ECU One Card is all you need to check out materials and to access the variety of services offered. Adjoining the Circulation Desk is the Reserve Reading Room. Our Reserve Collection holds tests, books, and movies placed on reserve by professors for their students to checkout for use inside the library. Another very popular service we provide for ECU students, faculty, and staff is the Pull & Hold service. Accessed through the Interlibrary Loan Department's Illiad system, this service provides patrons with the ability to request materials that are checked in, have them pulled by our staff, and then held at the Circulation Desk for pick-up. There is a staff member on duty the entire time the library is open so feel free to stop by for any assistance.

The Digital Learning Center (DLC) is a general purpose computer lab located on the first floor of Joyner Library. It offers 120 computer stations, including six stations equipped with scanners. The DLC also offers in-library laptop checkout to East Carolina University students. The laptops are equipped with the same programs as the lab computers and include a wireless card for Wi-Fi Internet access. If you would like to use the large LCD and plasma screens located in several of the library's group study rooms to display images from your laptop, the DLC offers remotes, adapters, and instructional guides for check out to ECU students. Video cameras are also available for checkout to ECU faculty, staff, students and area educators.

Joyner Library is a selective depository for U.S. government publications. It provides access to government documents in many formats, including print, CD-ROM, microform and web. The Government Documents collection also includes web guides, international documents and more than 100,000 maps.

Interlibrary Loan (ILL) provides ECU students, faculty, and staff with access to materials not available from Joyner Library. A world-wide network of thousands of libraries can often provide photocopies within days and loans within one to two weeks at no cost to you. Distance education patrons living outside of Pitt County can also have materials from Joyner scanned or shipped directly to their home or business at no direct cost. The ILL office also makes Joyner's collections available to public schools throughout Eastern North Carolina and to libraries around the world. All requests may be submitted using the online ILLiad system. Visit the ILL webpage for more information and to access ILLiad: http://www.ecu.edu/cs-lib/accesssrv/ill/index.cfm. ILL staff members are happy to demonstrate ILLiad and explain the ILL process.

Reference Services offers personal assistance to members of the ECU community (both on-campus and distance learners) who need help with their research and course assignments. Assistance is provided at the reference desk, by telephone and instant messaging, and via the Ask a Librarian e-mail service. Members of the Reference staff help users identify relevant print and online sources, learn to use these sources, formulate search strategies, find statistical data, and much more. The Reference Services collection includes high-quality print and online reference materials and databases.

One of the most inviting areas of the library is the Verona Joyner Langford North Carolina Collection. The department collects, preserves, provides access to and actively promotes the use of printed and non-print materials pertaining to the state. Holdings include books, broadsides, clipping and vertical files, maps, microforms, periodicals and state documents, for which the library is a full depository. The collection emphasizes the history of eastern North Carolina. The department's Snow L. and B.W.C. Roberts Collection includes more than 1,200 works of fiction set in North Carolina and dating from 1720. A number of these books and scores of historical works from the North Carolina Collection have been digitized for the Eastern North Carolina Digital Library.

The Special Collections Department is a major historical research facility. It contains a wide variety of rare and valuable manuscript, archival and published collections,with strengths in the areas of maritime and North Carolina history. A closed stacks non-circulating facility, it ranks among the five largest such collections in North Carolina. Among its major subdivisions are the East Carolina Manuscript Collection, University Archives, the Rare Book Collection, Map Collection, Hoover Collection on International Communism, and the James H. and Virginia Schlobin Literature of the Fantastic Collection. The collections are open to students, faculty, staff, and the general public. However, all researchers must register, provide current and valid photographic identification, and agree to abide by collection rules to obtain access to collections. The Special Collections Department Search Room is located on the 4th floor of Joyner library. For more information and for access to online finding aids researchers should visit the Special Collections Department website.

The Teaching Resources Center (TRC) serves as a resource for students enrolled in the teacher education program at East Carolina University and for educators in eastern North Carolina. The mission of the Teaching Resources Center is to facilitate teaching and learning initiatives by providing resources and services to educators at all levels. The TRC service desk provides directional assistance supported by educational reference librarians. The following resources are available in the center: NC adopted K-12 textbooks, supplementary K-12 textbooks, textbook correlations, Kraus Curriculum Development Library, bibliographies, guides, audiovisual materials, online resources, K-12 reference materials, easy books, big books, juvenile/young adult fiction, nonfiction and biographies. A unique and special service located in the TRC is the Enhancing Teachers' Classrooms (ETC) room. Designed to assist in creating and producing quality lesson units, the room houses two laminators, two Ellison die cut centers with several hundred die cuts, an artwaxer, a light box, a binding machine, several paper cutters, a Badge-A-Minit button maker and cutter, office supplies and computer workstations with educational software installations and resources. Additionally, the Ronnie Barnes African American Resource Center is housed in the TRC.

The Music Library is located in the A.J. Fletcher Music Center and is Joyner Library's only branch. As such, it offers the same services as Joyner: reference assistance, bibliographic instruction, interlibrary loan, and card-operated photocopiers and printers. Microform reading/printing services are provided free of charge. The collection consists of more than 80,000 books, music scores, periodicals, software, and sound and video recordings representative of all types and periods of music. A thirteen station technology lab with PCs and playback equipment for CDs, DVDs, DAT, LPs, videocassettes, mini-discs, CD-ROMs, laser discs, and audiocassettes is available for use by library patrons.

Joyner Library is open extensive hours each week, with 24-hour access during exam periods. 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. Hours are also posted on the website at www.ecu.edu/cs-lib/hours.cfm.

WILLIAM E. LAUPUS HEALTH SCIENCES LIBRARY

The William E. Laupus Health Sciences Library is located on ECU's West Campus in the Health Sciences Building. Laupus Library supports the education, research, and patient care responsibilities of the Health Sciences Division.

The four floors of the 72,000 square foot state-of-the-art library have been designed as space for study, research, communication, collaboration, and educational support. The library's wireless environment enables users to search the library's wide array of electronic resources and access full text information. A book collection of over 49,619 volumes and 719 print journal titles, and 92,363 bound journal volumes, along with visual programs and anatomical models is available to the university community. An Information Commons service concept encompasses reference floor computers for searching the literature and producing research papers, a computer lab with curriculum-based software, a computer classroom, two Collaborative Resource Centers for producing high end presentations and group projects, a Multimedia Development Center for editing lectures and teleconferencing capabilities for students and faculty.

The Information Services Department offers reference services including one-on-one consultations to complement library skills classes and library orientations. Laupus Library has a History of Medicine collection of historical books and artifacts that focus on the history of health care in eastern North Carolina. Detailed descriptions of the library's services and collections can be found at http://www.ecu.edu/laupuslibrary.

Both Joyner Library and the William E. Laupus Health Sciences Library resources are available through the VirtualLibrary@ECU.

COMMUNITY OUTREACH SERVICES

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 a five-star 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, College of Human Ecology, East Carolina University, Greenville, NC 27858-4353; telephone 252-328-6926.

CHILDREN'S DEVELOPMENTAL SERVICES AGENCY

Children's Developmental Services Agency (CDSA) is located in the Malene Irons Building. It was formerly named the Developmental Evaluation Clinic (DEC), and was established in 1964 to provide interdisciplinary evaluations of developmentally disabled children. In July 2004, there was a statewide merger of DECs with the Early Intervention Program (Infant-Toddler Program) from the mental health system. CDSA is one of a statewide network of eighteen regional agencies that provide interdisciplinary early intervention services through the North Carolina Infant-Toddler Program. The CDSA is the local lead agency for the Infant-Toddler Program (ITP), a federally mandated program (Part C of the Individuals with Disabilities Act [IDEA]) serving children (ages birth to three years) with or at risk for developmental disabilities and their families. Lead agency responsibilities include the oversight of the administration of the Infant-Toddler Program; ensuring that evaluation, case management; and intervention services are available within a multi-county catchment area and that children eligible for the program receive recommended services, either through a network of enrolled early intervention service providers, or directly from the CDSA.

The CDSA is the single portal of entry for birth to three referrals to the Infant-Toddler Program (ITP) and has primary responsibility for providing multi- and inter-disciplinary developmental evaluation, determination of eligibility for the program, service coordination for eligible children, and consultation and technical assistance to service providers, and other professionals providing recommended intervention services for eligible children and families.

Clinical areas of expertise include social work, psychology, occupational therapy, physical therapy, speech/language pathology, nursing, and nutrition. Medical services are also provided by the Department of Pediatrics. The CDSA is involved in training individuals in each of these areas. The program is funded by the North Carolina Department of Health and Human Services.

Requests for further information should be directed to: Children's Developmental Services Agency, East Carolina University, Irons Building, Greenville, NC 27858-4353; telephone 252-737-1177.

FAMILY THERAPY CLINIC

The Family Therapy Clinic provides a full range of therapeutic services to individuals, couples, families and larger systems while serving as a training site for students in the master's degree program in marriage and family therapy and doctoral degree program in medical 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, College of Human Ecology, East Carolina University, Greenville, NC 27858-4353; telephone 252-737-1415.

OFFICE OF MILITARY PROGRAMS

The East Carolina University Office of Military Programs provides outreach services to the military installations of North Carolina by delivering courses and degree programs to the Armed Forces community. Memoranda of agreement with the various bases outline the topics, course offerings, and delivery methods of campus-wide programs to the military family.

The Office of Military Programs comprises the Department of Aerospace Studies (US Air Force ROTC) and the Department of Military Sciences (US Army ROTC). Aerospace studies offers a cognate minor for professional officer course for the United States Air Force, and military science offers the professional military education (PME) requirements for the United States Army.

OFFICE OF ECONOMIC DEVELOPMENT

The Office of Economic Development meets strategic regional needs through research, education, and outreach to foster economic growth and improve the quality of life for North Carolinians. OED engages current competencies of the universities to meet existing regional needs and drive investment decisions focused on emerging opportunities. Specifically, OED fosters the convergence of research and outreach to achieve immediate local impacts and pursue economic transformation across the region and beyond.

REVOLVING EDUCATION AROUND PARTNERSHIPS (REAP)

REAP is a training component of the special education area, College 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 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.

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 in-depth 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 clinic is located in the Belk Building Annex (College of Allied Health Sciences) on Charles Boulevard. Appointments can be made by calling the clinic at 252-328-4405.

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 Children's Developmental Services Agency 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 northeastern North Carolina. One of the program's goals is to equip professionals and parents with strategies disigned to enhance the skils and abilities of each individual with autism. The hope of this agency is to allow persons with autism to be accepted and to reach their maximum potential as members of the 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 Dr. John M. Dougherty, Director, Greenville TEACCH Center, South Hall Professional Center, 108-D West Fire Tower Road, Winterville, NC 28590; telephone 252-830-3300; FAX 252-830-3322.

DIVISION OF CONTINUING STUDIES

The Division of Continuing Studies serves as a bridge between the student at a distance and the academic and administrative units of the university. The division respects and understands the unique demands of the lifelong learner and is committed to assuring quality accessible programs and services. The division supports the university in maintaining its leadership role in the areas of distance and technology enhanced learning both in our region and beyond. The educational and economic development of the citizens of its service area is a focal point for the division. The division partners with the academic and administrative

units of the university and the North Carolina Community College System to meet the needs of the education, healthcare, technology, business, industry and military communities. The division conducts its activities in partnership with all units of the university and encompasses Summer School, Distance and Extension Education, Continuing Professional Education, The Testing Center, Summer Study Abroad and Military Outreach to service members and their families.

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 students, credit courses, undergraduate degree completion programs, and graduate degrees are offered online via 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. Section 8 of this catalog, Undergraduate and Graduate Degrees, Minors, and Certificates lists programs that are offered online. A list of distance education programs and courses may also be accessed at www.options.ecu.edu.

Academic regulations and policies, university calendars, and student services described in this catalog are applicable to all students, except where otherwise indicated. The online distance education information site, www.options.ecu.edu, includes information on e-mail, the Blackboard, e-Education platform, information technology policies, academic, administrative services, and library services.

From admission to graduation, a system of student support services is available to assist all distance education students. Students have contact via email, phone or fax with faculty and staff in key university offices that can offer assistance, answer questions, and provide direction. Contact the student services staff of the Division of Continuing Studies for assistance by emailing dcs@ecu.edu. or calling 1-800-398-9275. Division offices are located in Self-Help Center, 301 Evans Street.

DIVISION OF UNIVERSITY ADVANCEMENT

The Division of University Advancement, consisting of alumni relations, university development, and university marketing, is responsible for advancing the mission of East Carolina through building positive relationships with external and internal constituents to lead to philanthropic support. The vice chancellor for university advancement leads the division in activities that build the status and prestige of the university and create an environment for philanthropy.

INFORMATION TECHNOLOGY AND COMPUTING SERVICES

Information Technology and Computing Services (ITCS) works diligently to provide ECU students, faculty, staff, and alumni with the best possible information technology services and support. Please visit the ITCS Web site at http://www.ecu.edu/itcs for the most up-to-date information regarding new technology services and resources available to the ECU community. There you will also find guidelines and policies that will impact your computing activity at ECU.

The IT Help Desk (http://help.ecu.edu) offers technical assistance to ECU students, including software support, answers to general technology-related questions, getting connected to the university network and more.

IT Help Desk:
Regular Hours: Mon-Fri, 8:00am-5:00pm
After-Hours Student Support: Sun-Thurs, 24x7; Fri-Sat, 8:00am-8:00pm
Phone Support: 252-328-9866; Toll Free: 1-800-340-7081

Students can access their e-mail by logging into ECU's Web-based Piratemail, http://piratemail.ecu.edu, with their PirateID and passphrase. Piratemail uses the anti-spam tool, MailMarshal, to help keep your inbox free of unwanted junk mail. You will receive a daily MailMarshal Message Digest that provides a summary of all e-mail tagged as spam. The digest contains links that you can click to release messages. Through MailMarshal (http://spammarshal.ecu.edu), you also have the option of adding e-mail addresses to "safe" and "blocked" lists.

One of your first stops on the ECU Web site should be http://pirateid.ecu.edu, where you can register your PirateID so that you can securely change your own passphrase when necessary. You will be asked to enter an alternative e-mail address (like a Hotmail or Yahoo! account) where you can receive notifications in case you are unable to access your Piratemail account, and select three security questions to which you provide answers you can remember. If you forget your ECU ID, your unique identification number at ECU, you can also look it up at http://pirateid.ecu.edu.

ECU's OneStop web portal (http://onestop.ecu.edu) enables students to review financial aid information, register for courses, and look up grades. You can also look up your ECU ID on the "Tools" page within OneStop.

A number of ECU's academic programs require or recommend that their students have access to a computer in order to complete coursework. Students are NOT REQUIRED to purchase a specific computer brand, although they may benefit greatly from purchasing one of the recommended models from the preferred vendors through the ECU Dowdy Student Stores. For more information, visit http://www.ecu.edu/ace.

The ACE program works with hardware and software companies to provide you discount pricing on computers, software and peripherals that can be purchased through the ECU Dowdy Student Stores. The ACE Student Computer Support Center – Austin 101, Main Campus and Laupus Library, Room 3536, Health Sciences Campus – provides technical assistance to students with ACE and non-ACE laptops. For ECU students not enrolled in a requiring program, purchase of a computer is OPTIONAL; however, any student can take advantage of the special pricing and support. For more information, visit http://www.ecu.edu/ace.

Students can visit one of approximately one hundred computer labs located across campus to complete coursework, conduct research, or check e-mail. These computer labs are all networked and offer both Macintosh and Windows™-based computers. Internet access is also provided through wireless connectivity on campus.

Every student with an active e-mail account has a personal ECU Web site directory with 50 megabytes of space. Your directory name is the same as your PirateID, so the Web address for your personal Web site will be http://personal.ecu.edu/*yourPirateID*. If you're interested in learning a program like Adobe Dreamweaver to create your personal Web site, you can complete training modules, free of charge, through ECU's online anytime learning program. Visit the ITCS Web site at http://www.ecu.edu/itcs for more information on enrolling in the program, and to access tutorials on transferring files to your Web site directory.

ITCS also provides networked storage space – referred to as Piratedrive – for every student with an active e-mail account. Students can store up to 50 megabytes of digital files on their Piratedrive. You can access your Piratedrive by logging into the INTRA domain with your PirateID and passphrase and clicking on "My Computer". You will notice another drive letter designated as "U:". This U drive is your Piratedrive and will be available to you from any Windows computer logged into the INTRA domain (including in campus computer labs), and through OneStop.

The Pirate IT Essentials computing newspaper, printed annually and distributed campus wide, is a comprehensive publication that provides details on ITCS resources available to the university community. Additionally, a monthly *ECU Technology Digest* with valuable information on software updates, training opportunities, and current and future technology projects impacting the university is e-mailed to all students. To minimize service disruptions, *ITCS Notifications* is e-mailed weekly to inform the campus community of Piratemail, Blackboard, and OneStop downtimes. To access archived ITCS publications, visit the ITCS Web site at http://www.ecu.edu/itcs and click "News" in the horizontal menu bar.

OAK RIDGE ASSOCIATED UNIVERSITIES

Oak Ridge Associated Universities (ORAU) is a consortium of ninety-eight doctoral-granting academic institutions and a contractor for the US Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members. ECU has been a member since 1992.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, and postgraduates as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines, including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. A comprehensive listing of ORAU programs and other opportunities, their disciplines, and details on locations and benefits can be found in the ORISE Catalog of Education and Training Programs, which is available at http://www.orau.gov/orise/educ.htm or by calling the contact below.

ORAU's Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU's members, private industry, and major federal facilities. Activities include faculty development programs such as the Ralph E. Powe Junior Faculty Enhancement Awards, the Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research, and support programs as well as services to chief research officers.

For more information about ORAU and its programs, contact:
John C. Sutherland, Chairman, Department of Physics
ORAU Councilor for East Carolina University
252-328-2023 or visit the ORAU Home Page at http://www.orau.org.

OFFICE OF EQUAL OPPORTUNITY AND EQUITY

East Carolina University is committed to enriching the lives of students, faculty and staff by providing a diverse academic community where the exchange of ideas, knowledge and perspectives is an active part of living and learning. The Office of Equal Opportunity and Equity (EOE) has been established to provide centralized leadership to East Carolina University's efforts to ensure compliance and equity in all programming, employment and educational opportunity.

The Office of Equal Opportunity and Equity administers the Equal Employment Opportunity, Discrimination, ADA, Title IX, Sexual Harassment, and Affirmative Action policies. Advertising for employee vacancies and search processes are administered through this office to ensure compliance with EPA and SPA policies and procedures. Other personnel actions are monitored by the office to prevent issues of inequity. Web-based and face-to-face equity and diversity training is available.

Taffye Benson Clayton is the Assistant to the Provost and University Equity Officer and oversees institutional educational and compliance matters regarding equity, access and opportunity

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. 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 monthly 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.

SPONSORED JOURNALS AND PUBLICATIONS

The *Children's Folklore Review*, sponsored by the East Carolina University Department of English, is the official publication of the Children's 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 Literary Review* is published annually by the Department of English 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 Department of English.

STUDENT STORES

Dowdy Student Stores, owned and operated by East Carolina University for the convenience of the university community, stocks books, school supplies, computers, and other educational tools for students on campus, as well as those taking distance education classes. Dowdy Student Stores also carry an extensive line of imprinted ECU apparel, gifts, jewelry, and various accessories.

Additional services include a Textbook Reservation Program, which allows students the first opportunity to purchase used textbooks and saves time at the beginning of fall and spring semesters, and a Bookstore Account tied to the ECU I Card, which allows students to place funds in an account, including but not limited to deferred financial aid funds, for purchases in the bookstore. Dowdy Student Stores also operate a Book Buyback Program at the end of each term for students to sell

textbooks. Dowdy Student Stores contributes profits to scholarship programs and is among the top donors to the General Scholarship Fund.

Online textbook ordering and other information are available through the Dowdy Student Stores website (www.studentstores.ecu.edu) or by phone (252-328-6731 or toll-free 1-877-499-TEXT).

UNIVERSITY POLICIES

See appendix for information on East Carolina University's substance abuse and racial and ethnic harassment policies as well as information on affirmative action, EEO, nondiscrimination, and sexual harassment prevention policies.

ALUMNI RELATIONS

The Alumni Association of East Carolina University was organized in June, 1912 by the classes of 1911 and 1912. The Alumni Association's mission is to inform, involve and serve members of the ECU family throughout their lifelong relationship with the University.

Further information concerning programs, services, and memberships may be obtained online at www.PirateAlumni.com or by contacting the Office of Alumni Relations, Taylor-Slaughter Alumni Center, East Carolina University, Greenville, NC 27858-4353, or by visiting the Alumni Center located at the corner of Fifth and Biltmore Streets.

UNIVERSITY DEVELOPMENT

University development is comprised of the following functions: major gifts, fundraising, corporate and foundation relations, annual giving, advancement services, planned giving, and donor relations and scholarships. These functions report directly to the vice chancellor for university advancement, whose responsibilities include the organization and direction of programs and volunteers for the purpose of seeking private gift support for all university academic programs.

UNIVERSITY MARKETING

University marketing is responsible for developing, maintaining, and promoting a consistent university message and image, and supporting the university's strategic objectives through research, planning, and production.

VISION

Student Life will be recognized for creating an exemplary learning environment that leads to student success.

MISSION

Student Life supports the academic mission of the university by providing programs and services that inspire the holistic growth and development of students, preparing them to enter the global community as responsible, contributing citizens.

Students enrolled in 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 sanctions or separation 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 announcement. University rules and regulations apply to all students. Conduct regulations, including the academic integrity policy, are described in the *East Carolina University Student Handbook* (www.ecu.edu/studentlife/scr).

STUDENT HANDBOOK

The *East Carolina University Student Handbook* is available online at www.ecu.edu/studenthandbook. The handbook includes information on University policies and procedures including drug and weapon policies, the student code of conduct, the judicial system process, and bylaws of the Student Government Association.

Also included are the university sexual harassment, discrimination, conflict of interest policies, and the student grievance procedures involving equal opportunity complaints.

A copy of *Safety and You*, the university publication that includes crime statistics in compliance with federal regulations, is also in the handbook.

STUDENT LIFE SERVICES

Student Life services and programs include Campus Living, Dining Services, and Student Transit; Campus Recreation and Wellness; Dean of Students Office, Center for Counseling and Student Development, Student Health Service including Health and Nutrition Education, Disability Support Services, Office of the Victim Advocate, Office of Student Rights and Responsibilities, The Center for Off-Campus and Community Living including Student Neighborhood Relations and Off-Campus Housing and Special Programs; Mendenhall Student Center including University Unions/Student Experiences, Student Union Programming Board, MSC Event Planning and Conference Services, MSC Recreation, and Student Media; Cultural Opportunities including Central Ticket Office, Cultural Awareness, and the Arts; Student Involvement; Student Organization Center including Greek Life, Student Government Association, SGA Student Legal Services and Campus Ministers Association; Office of Intercultural Student Affairs including Ledonia Wright Cultural Center; the Career Center; Divisional Marketing; and the Police Department.

CAMPUS LIVING AND DINING

HOUSING

Campus Living is committed to offering personal and affordable services, supporting the academic mission of the university, and providing opportunities for individual growth within a comfortable caring environment. 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 proximity to classes and campus activities, neighborhood, and lifestyle options that suit ones' personality.

A variety of living and dining options are available for students to choose from. ECU has both suite style and traditional residence halls located in three neighborhoods on campus. College Hill, Central, and West neighborhoods offer the convenience of living

near classrooms, the library, recreational facilities, campus activities, and campus facilities. The university currently maintains fifteen residence halls that over 5,500 students call home. Residence hall amenities include cable, high speed internet, free online music services, laundry, and a wide range of educational and social programs, at no additional cost.

Information regarding university housing is available at Campus Living, Office Suite 100, Jones Residence Hall. Detailed information is available through Campus Living; 252-ECU-HOME (328-4663); or the ECU home page at www.ecu.edu/campusliving.

CAMPUS DINING

Students have enough to worry about on campus: classes, studying, work and extracurricular activities. They shouldn't have to stress about eating too. ECU Campus Dining is a reliable and affordable option for students that offers state-of the-art dining halls, food courts, snack bars, coffee bars and convenience stores on both main and health sciences campuses. With hours of operation from 6:30 a.m. to 2:30 a.m. (actual hours will vary, depending on location), students can purchase meals and snacks from such locations as Subway®, Chick-fil-A®, Sbarro®, Blimpie® and Einstein Brothers Bagels®.

ECU Campus Dining provides students flexibility and variety in their meal plans. Students can choose their plan using Campus Dining's online Meal Plan Wizard, and when they do so, they will also be automatically enrolled in the Jam Rewards program (more information is available at www.jamrewards.com). All meal plans are based upon a set number of meals per week, and include Pirate Bucks, both of which are redeemed by swiping the student's OneCard, at any Campus Dining location.

STUDENT TRANSIT

The East Carolina University Student Transit Authority (ECUSTA) is committed to providing safe, reliable and efficient transit services to students, staff, faculty and visitors, via an extensive network of bus routes offering timely service to, from, and around the campus community, parking lots, off-campus housing, and several shopping/service areas during the academic year. SafeRide, a point to point van service, operates in the evening hours to supplement the bus system by providing a safe means of transportation to locations not served by bus routes. ECUSTA is funded by student activity fees, so there is no charge to ride. Visit www.transit.ecu.edu or call 252-328-4724 for information regarding routes, hours of operation, charter services and employment as a student driver.

CAMPUS RECREATION AND WELLNESS

The Department of Campus Recreation & Wellness is located in the Student Recreation Center and provides a broad and diverse program of recreational and wellness-oriented activities to all students, faculty, and staff. Campus Recreation & Wellness strives to enhance positive recreation and wellness lifestyles of the university community and to foster a lifelong commitment to learning skills associated with physical, emotional, and mental well-being. To receive more information on these programs, telephone 252-328-6387 or visit the web site at www.ecu.edu/crw. Recreational opportunities are available in the following program areas:

Adventure: The adventure program offers both single-day and multi-day trips every semester, such as sea kayaking, rock climbing, backpacking, whitewater rafting, caving, and surfing. The adventure program also provides workshops on a variety of outdoor skills, such as outdoor cooking, kayak roll sessions, and trip preparation. Outdoor equipment can be rented at the Adventure Center in the Student Recreation Center.

Aquatics: The aquatics program provides 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 program provides opportunities in recreational activities for individuals with permanent or temporary disabilities. ARISE offers adapted wheelchair basketball, wheelchair rugby, hand cycling, rock climbing, and a number of unique special events. In addition, ARISE will assist in providing reasonable accommodations to allow participation in all other program offerings of the department.

Campus Wellness: Campus wellness assists students and faculty/staff in making healthy lifestyle decisions by learning knowledge and skills necessary to achieve optimal health for personal and academic success. Campus wellness is a resource for the ECU community providing health and wellness education through individual consultation, outreach programming, awareness events, and health resources. Health education professionals are also available to answer questions about health-related matters, to

work out individualized plans to enhance health, and to make referrals. A resource library of books, brochures, CD's, videos, and models are available for loan.

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 Campus Recreation and Wellness. 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:

Badminton
Men's Baseball
Basketball (Men & Women)
Billards
Equestrian
Fencing
Field Hockey
Figure Skating
Frisbee (Men & Women)
Golf
Men's Ice Hockey
Lacrosse (Men & Women)
Rugby (Men & Women)
Scuba/Diving
Skiing/Snowboarding
Soccer (Men & Women)
Women's Softball
Swimming
Tennis (Men & Women)
Women's Volleyball
Water Ski/Wakeboarding
Martial Arts
- Budo Taijutsu
- Isshinryu
- Tae Kwon Do
- Tai Chi

Fitness: The fitness program 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. Lifetime Activity Programs include yoga, tai chi, shag dancing, ballroom dancing, and self-defense.

Intramural Sports: 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 on line and in a calendar available at the Student Recreation Center.

Team Training and Leadership: The team training and leadership program utilizes the challenge course, a number of initiative games, and the 50-foot Alpine Tower to help individuals and groups develop and hone numerous skills including leadership and communication.

Volunteers: Volunteers are a critical work force within many areas of CRW. Whether you are looking to complete volunteer hours for a course, seeking to accumulate service hours, or just want to help, there are a number of opportunities to get involved in a setting that is recreational and fun.

Student Employment: Campus Recreation and Wellness employs over two hundred students annually. Jobs are available in all program areas, and an application is available online. Campus Recreation and Wellness also offers several graduate assistantships and internships.

CAMPUS RECREATION AND WELLNESS FACILITIES

The Department of Campus Recreation and Wellness manages a number of outstanding facilities that are available for use by students and other members of the ECU community.

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 six racquetball courts, a twenty-seven foot climbing wall, a 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, and outdoor adventure center, as well as locker rooms and administrative offices. 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. Distance education students, 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. Dependents/guests are admitted for free on Saturdays, up to three per ID, and when accompanied by a member.

"Fitness Pointe" Weight Room: Housed in Jones Residence Hall this 1,900 square foot cardiovascular and weight training fitness facility is conveniently located for students who live on College Hill Drive.

Blount Recreational Sports Complex: This outdoor field complex, located off of Charles Boulevard behind the Belk Building, has eighteen acres of sport fields for flag football, soccer, softball, and club sports activities. These fields are used for intramural and club sports and can be reserved for use by campus groups with advance notice.

Team Training Center: Located in a wooded area adjacent to the Blount Recreational Sports Complex, this Challenge Course facility includes a variety of low elements that are used to facilitate groups through initiative games and team building exercises. The 50-foot Alpine Tower provides a variety of high element challenges. Numerous campus and community groups complete courses that can be individually tailored to meet the specific objectives of their organization.

Frisbee Golf Course: The eighteen-hole Frisbee Disc Golf Course is located adjacent to the ECU Baseball/Softball field complex, off of Charles Boulevard. No reservations are needed to use the course. Frisbee discs may be checked out from the customer services desk at the Student Recreation Center.

North Recreational Complex: In fall 2008, Phase 1 of a 129-acre multi-sport field complex and park, will open for use. Phase 1 includes development of approximately sixty-five acres to include eight lighted multi-sport activity fields, a six acre lake, field house and separate maintenance facility, roads and parking, and suitable landscaping.

Wellness Center: The Wellness Center is available to all students, faculty, and staff free of charge, and is located on the second floor of the Student Recreation Center. Operated by Campus Wellness Education Leaders (CWELs), the center offers materials to check out, such as books and videos, free health screenings, educational packets, nutrition diet analysis and more.

DEAN OF STUDENTS OFFICE

The Dean of Students Office at East Carolina University is the central campus resource for addressing and responding to student issues and concerns. Staff within the dean's office often serves as liaisons between students, faculty, staff and administrators. The dean's office provides assistance to students, and family members who are navigating their way through various campus procedures. Staff in the dean's office often helps develop, articulate, disseminate and enforce university rules, regulations, and policies.

The Dean of Students Office works directly with students to help solve problems, to assist in individual and group crisis management, and to advocate for students when appropriate. Students are encouraged to visit staff in the Dean's Office to discuss ideas, personal issues, or general concerns about student life at East Carolina University.

By connecting with other university departments and offices, the office supports the needs of students and student communities and identifies resources to respond to those needs.

The Dean of Students Office administratively oversees the following areas: Center for Counseling & Student Development, Center for Off-Campus and Community Living Disability Support Services, Office of Student Rights & Responsibilities, Office of Victim Services and Student Health Services.

Committed to teaching civic engagement, the Dean of Students Office cultivates a caring environment that values personal and academic integrity, respect for all people, and responsible citizenship that holds students accountable for their behavior. In collaboration with the university, the Dean of Students' staff is invested in serving students in a safe and healthy environment. Students are encouraged to call 252-328-9297 for an appointment or to consult with the dean's staff. The web page may be accessed at www.ecu.edu/studentlife/dos.

THE CENTER FOR COUNSELING AND STUDENT DEVELOPMENT

The Center for Counseling and Student Development helps students make the most of their opportunities for personal and academic development while enrolled in the university. The center offers counseling in the following areas: personal/adjustment issues, academic, career, and alcohol and other drug abuse. Psychiatry services are also offered through the office. 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 educational outreach programs and workshops on a wide variety of subjects to the campus community. When necessary, tests and inventories are used to help students ascertain their areas of interest and/or to gain insight into their personal adjustment. Enrolled students are entitled to the services provided by the center free of charge.

The Center for Counseling and Student Development is open Monday through Friday 8 a.m. - 5 p.m. Students are encouraged to call 252-328-6661 for an appointment or to consult about emergency services. The web page can be accessed at: www.ecu.edu/cs-studentlife/counselingcenter.

STUDENT HEALTH SERVICE

The Student Health Service (SHS) provides individualized high quality health care and nutrition education for currently enrolled, fee-paying, ECU students. The outpatient clinic provides health care through appointments for students' convenience and through an urgent care clinic during operating hours. Services include, but are not limited to, routine health care (illness, accidents, physicals, wellness, etc) mental health, massage therapy, sports medicine, health and wellness education, pharmacy, laboratory, x-ray, allergy vaccine clinic, self-care medication clinic, health insurance and more. An after-hours nurse line is available to students twenty-four hours a day, seven days a week including holidays and weekends, to assist students in making medical decisions. The nurse will assess the needs, provide self-care instructions when appropriate, and provide phone numbers to local urgent care facilities as needed. Students may access this line by calling the main number (252-328-6841) and following the prompts in the recorded message.

The Student Health Service does not issue official university excuses for illness or injury. If requested, at the time of service, the Student Health Service will confirm in writing that the student received medical care on that date. If a faculty member needs additional information regarding visit dates or the nature and/or scope of illness or injury, the student must authorize release of the information by signing a release of information form at the Student Health Service.

The telephone numbers for the Student Health Services are as follows: main switchboard 252-328-6841; pharmacy 252-328-6841, ext. 608.

HEALTH AND NUTRITION EDUCATION

The Health and Nutrition Education department assists students in making healthy lifestyle decisions by learning knowledge and skills necessary to achieve optimal health for personal and academic success. Health and Nutrition Education is a resource for students, providing health and nutrition education through individual consultation, outreach programming, awareness events, and health resources. Health and Nutrition Education professionals are also available to answer questions students have about health-related matters, to work out individualized plans to enhance health and to make referrals. A resource library of books, brochures, CDs and videos, and models are available for loan. Registered dieticians are available for nutrition consultation with students, as well as for nutritional programs and presentations.

The Health and Nutrition Education department is located in the Student Health Service Building. For more information, call 252-328-6794 or visit our website. www.ecu.edu/wellnessed.

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 all students 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 by telephone at 252-737-1016 and online at www.ecu.edu/dss.

OFFICE OF THE VICTIM ADVOCATE

The Office of the Victim Advocate at East Carolina University is a one-stop resource to receive advocacy and support services. The program has a number of goals, and offers programs and services to address the special challenges students encounter related to their personal safety. One goal is to educate students year-round in classrooms, residence halls, student groups about their rights should they become a victim of a crime on- and off-campus. Another goal is to continuously improve East Carolina's preventative rape education, and to promote responsible choices concerning healthy relationships. Throughout the year, students will assist the victim advocates' office in raising awareness about other social issues, by hosting several activities such as "Take Back the Night" and Sexual Assault Awareness Week for a "Campus Free of Sexual Assault". These goals are a way to empower students to make the right decisions when they are faced with options that could have a lasting effect on them.

STUDENT RIGHTS AND RESPONSIBILITIES

This office works to promote personal and academic integrity and a safe learning environment for all East Carolina University students, faculty, and staff. The office administers the Student Code of Conduct, which defines behaviors that are inappropriate for ECU students. The code applies to behavior both on- and off-campus, and can be found on the office web page. Students accused of violating the Code of Conduct begin the resolution process by meeting with the departmental staff. Additional information about Student Rights and Responsibilities may be obtained by calling 252-328-6824 or visiting www.ecu.edu/studentlife/scr.

THE CENTER FOR OFF-CAMPUS AND COMMUNITY LIVING

The Center for Off-Campus and Community Living addresses the unique needs of East Carolina University students who live off-campus, whether they reside in a house within walking distance of campus, live in an apartment complex, or commute to campus.

The Center for Off-Campus and Community Living promotes and encourages a diverse environment that supports the personal and academic development of students. We empower students to become model citizens of the university, their community or neighborhood, and of Greenville.

STUDENT NEIGHBORHOOD RELATIONS

The office of Student Neighborhood Relations works to enhance the quality of life for students and their neighbors in the city of Greenville. This office is an advocate for the university's off-campus population. This office serves to facilitator between students, the city, law enforcement, university officials, landlords, and permanent residents. By educating and empowering students on good citizenship and having these students taking personal responsibility for their actions, students can become active community members that promote safe, clean, and healthy neighborhoods within our university area.

Working closely with students, neighborhood associations, and landlords, the Student Neighborhood Relations Facilitator is an advocate for the students. The primary focus of this office is educating students on aspects of becoming an ideal citizen of their community. The Facilitator works to resolve town and gown issues and helps create viable solutions to various forms of conflict. Some of this education covers topics on city ordinances, zoning, safety, how to have a responsible party off-campus, and how to be a good neighbor. Contact 252-328-2847 or www.ecu.edu/studentlife/offcampus for more information.

OFF-CAMPUS HOUSING AND SPECIAL PROGRAMS

The office of Off-Campus Housing works to enhance the quality of living for students around East Carolina University. This office assists students with leases and landlords, and promotes healthy, clean and safe living environments. This office can provide students with landlord/tenant rights and responsibilities. This office has a database of available housing, from which students can easily search for suitable off-campus living. Students who seek to live in houses/apartments off-campus or just want to find out more information about off-campus housing options may contact this office at 252-328-2847, or go to www.ecu/offcampushousing.

The office also provides programs for commuter students and adults re-entering college, by providing information about available campus, community, and regional programs and services. These programs provide opportunities for adult and

commuter students to interact socially with students in similar circumstances and to feel more connected to campus life. The office sponsors an off-campus living fair during the fall semester and provides off-campus housing information on its web site. For additional information regarding special programs for adult and commuter students, contact 252-328-2847.

MENDENHALL STUDENT CENTER

Mendenhall Student Center is East Carolina University's Student Union. The 120,000 square-foot facility provides meeting rooms, lounges, study areas, a coffee kiosk, an 800-seat theater, a bowling alley, a billiards area, and the Central Ticket Office. Offices for the University Unions/Student Experiences, Student Union, Cultural Outreach, MSC Recreation, the Student Government Association and other student government organizations, Greek Life, and the Office of Student Rights and Responsibilities are all located in the Mendenhall Student Center.

UNIVERSITY UNIONS/STUDENT EXPERIENCES

The Department of University Unions/Student Experiences offers a wide variety of programs, services, and facilities dedicated to enhancing the quality of life for the campus community. The department is housed, for the most part, in Mendenhall Student Center. The Department of University Unions/Student Experiences encompasses Greek Life, Student Activities, Student Organization Center, Student Involvement, Student Leadership, Student Government Association, Graduate Student Association, Student Legal Services, Student Union Programming Board, Student Media, MSC Recreation, the Office of Cultural Outreach and Co-Curricular Programming, Event Planning & Conference Services, the Central Ticket Office, and Wright Auditorium. Through a broad range of co curricular, cultural, educational, developmental, recreational, and social programs, the department complements the academic programs of the university by providing programs which enhance the educational and cultural experience of students, by providing facilities which serve as laboratories where theoretical and experiential experiences are integrated, and through guidance by a professional staff that assists students to further develop their intellectual capabilities, creative abilities, leadership potential, and citizenship skills. The Department of University Unions/Student Experiences seems to serve all constituents of the university as a unifying force in the life of East Carolina University, cultivating enduring regard for and loyalty to the university.

CO-CURRICULAR PROGRAMS

The primary work of the office is to enhance student learning and contribute to student success by supporting faculty with creative, curriculum-driven programs, resources, and events that occur outside of the classroom. In addition to supporting academic objectives, co-curricular experiences can inspire a range of outcomes that include: encouraging critical thinking; expanding student awareness of practices and beliefs of various cultural groups; fostering meaningful interaction between faculty and students beyond the classroom; stimulating students to reflect upon long held personal beliefs and consider the possibilities of alternate viewpoints; experimental learning; developing awareness of the responsibility of civic engagement and global citizenship; and practicing leadership

MSC EVENT PLANNING & CONFERENCE SERVICES

The Event Planning Office is available to help plan meetings or events and to reserve any necessary space in Mendenhall Student Center and Wright Auditorium. Mendenhall Student Center's facilities are available for student organization, university department, and general public use.

MSC RECREATION

MSC Recreation, located on the lower level of MSC, features the Outer Limitz and the Pirate Underground/Billiards. Outer Limitz has eight regulation bowling lanes equipped with automatic scoring and bumpers. Pirate Underground/Billiards has nine nine-foot pool tables, three butterfly table tennis tables, electronic and board games. MSC Recreation sponsors bowling and billiards leagues, Playstation tournaments, and ACUI qualifying tournaments for regional competitors. Recognized student organizations, clubs, campus departments, and student groups can reserve these areas.

STUDENT MEDIA

The East Carolinian, the university's student newspaper, 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. The paper is available online at http://www.theeastcarolinian.com.

Expressions, a periodic magazine, is published by the students. It includes campus news, much of which is of particular interest to minority students. Expressions may be accessed at www.expressions.ecu.edu.

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.

The Buccaneer is the university official yearbook. Student staff work year-round to produce a historical document of university life.

CULTURAL OPPORTUNITIES

CENTRAL TICKET OFFICE

Located on the main floor of Mendenhall Student Center, the Central Ticket Office provides tickets to a variety of campus wide programs and events, including programs by the Student Union Programming Board, Ledonia Wright Cultural Center, S. Rudolph Alexander Performing Arts Series, Travel-Adventure Film Series, Family Fare Series, Arts Smart Series, School of Music, School of Theatre and Dance, Family Weekend, rentals for Wright Auditorium, Student Organization programs, and more. Tickets to home games for football and basketball are also distributed at the Central Ticket Office. Students are required to present an ECU One Card to secure complimentary and discount tickets.

CULTURAL AWARENESS

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

THE ARTS

S. Rudolph Alexander Performing Arts Series

Culture isn't only about experiments in a Petri dish or a strand of pearls. Rather, culture is about having the opportunity to attend concerts by some of the greatest artists and performers that the world has to offer. The ECU S. Rudolph Alexander Performing Arts Series presents an annual season of nine of the world's best performers and performances of classical, opera, modern dance, ballet, Broadway, jazz, and more, in Wright Auditorium at modest prices. A component of the College of Fine Arts & Communication, the series has served the university and regional community for more than forty years with cultural arts programming. The series also offers dynamic pre-show dinner/panel programs to help audiences learn more about the performances and the performers. For those who desire an extended opportunity to be involved, the series offers graduate assistantships, marketing internships, and office assistantships.

Family Fare Series/Arts Smart Series

Dedicated to providing culturally-enriching programs for young audiences, the Family Fare Series offers wholesome, curriculum-related plays and concerts for family audiences on Saturday afternoons at Wright Auditorium. Arts Smart, a companion program, offers these performances to school children ages K-6, who are bused to campus from twenty-one eastern NC counties.

STUDENT INVOLVEMENT

CENTER FOR STUDENT LEADERSHIP AND CIVIC ENGAGEMENT

The vision of the Center for Student Leadership and Civic Engagement (CSLCE) is to provide students with meaningful experiences that foster leadership practices and civic engagement through supporting related research, pedagogical strategies and co-curricular opportunities that transform and empower students.

GREEK LIFE

The Office of Greek Life works with fraternities and sororities that are members or the National Panhellenic Association, the National Pan-Hellenic Conference, and the Interfraternity Council. The office promotes diversity, life-long learning, friendship, and service – recognizing that sorority and fraternity membership is enhanced through the development of leadership, networking, and ethical decision-making and career-life skills. The office coordinates new member recruitment and assists members with academic, risk management, and social activities.

STUDENT ORGANIZATION CENTER

The Student Organization Center offers a wide variety of programs, service and resources designed to assist and support student organizations and develop leadership skills among students. These skills will not only help students become successful student leaders at ECU, but can also help them stand out in their professional careers. The Student Organization Center offers opportunities to become an active member of the ECU community while filling resumes with great experiences. Student organizations are listed in the organization directory, which may be found at: http://www.at.ecu.edu/org/.

STUDENT UNION PROGRAMMING BOARD

Student volunteers organize and present programs that complement academics. Students are encouraged to volunteer to serve on the following committees:

Barefoot: Develops events and programs for this day-long celebration of spring.
Films: Selects blockbuster Hollywood hits and presents them free to students in Hendrix Theater.
Popular Entertainment Committee: Presents programs by artists from the world of jazz, folk, rhythm and blues, rock, and popular entertainment.
Spectrum: Presents programs of high interest and high entertainment value, including: lecturers, hypnotists, mimes, and comedians.
Visual Arts: Presents art exhibits in the Mendenhall Gallery and sponsors the annual ILLUMINA Student Art Competition.
Cultural Awareness: Brings diverse offerings of music, arts, speakers, and exhibits from around the world, including minority films, the International Festival, the Black Arts Festival, and Handicapped Awareness Week programs.
Marketing: Publicizes and promotes Student Union Programming events.
Annual New York Adventure: Arranges bus trips for students, faculty, and staff to the Big Apple during the Thanksgiving break.

STUDENT GOVERNMENT ASSOCIATION

All East Carolina University students are members of the Student Government Association (SGA), the official representative governing body for students. SGA has three branches: executive, legislative and judicial. Together, they provide an official voice for expressing student opinion within the campus, to the University of North Carolina, and at local, state, and national levels.

Executive Branch: The executive branch of SGA consists of the student body president, vice president, treasurer, and secretary. All four of the executive officers are elected annually by a majority of those voting in the student body elections. The executive branch represents the student body in working with the faculty, administration, official guests, and students from other schools. The president of SGA serves as an ex-officio trustee.

Legislative Branch: The legislative branch of SGA, also known as the Student Senate, a collective group of ECU students who strive to enhance the student experience at East Carolina University by serving as a forum for student views and by protecting the rights and privileges of the student body. The senate, with the approval of the executive branch, distributes

student fees to registered campus organizations, which allows students to engage in programming, attend relevant conferences and conventions, and sponsor recreational and service activities.

Judicial Branch: Student members of the Judicial Boards hear cases arising out of alleged violations of the Student Code of Conduct. The Student Attorney General also rules on SGA constitutional issues.

SGA STUDENT LEGAL SERVICES

A student who is facing legal situations may contact Student Legal Services, which is funded by SGA to answer legal questions and give legal advice. There is no charge to the student for this service. The attorney will not represent the student, but may refer to another attorney. Call the SGA office, 252-328-4726, for a confidential referral.

CAMPUS MINISTERS ASSOCIATION

This interfaith organization promotes moral values and service to others, and assists in personal and faith development. It serves as a bridge between the campus and the community, and sponsors interfaith activities. The association maintains a Prayer Request Box, located at the Wright Place. Student religious organizations represent diverse religious faiths.

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 efforts such as freshman outreach activities, social justice programming, leadership development opportunities for student organizations, and by providing administrative assistance to student organizations. Additionally, the director is involved in campus retention and community recruitment initiatives and participates in research to enhance those areas. For additional information, call 252-328-4350 or visit www.ecu.edu/studentlife/icsa/.

LEDONIA WRIGHT CULTURAL CENTER

The Ledonia Wright Cultural Center conducts activities that parallel the University's mission to increase awareness and promote cultural understanding.

The staff of the center works in conjunction with university departments and colleges to produce co-curricular support programs and assist with orientation, transition, retention, and graduation activities. The center also helps promote the principles of cultural competence among the entire university.

The cultural center is the hub of East Carolina University's multicultural activity. Resources at the center include: a reading room/library computer labs, tutorial services, space for meetings, tours, and an art gallery.

The multicultural programming sponsored by the cultural center includes several ongoing programs and observances such as Heritage Month Celebrations, Hate Out Week, Academic/Service Awards, LWCC Day, Diversity Forums, Cultural Excursions, and other special recognitions.

The cultural center hosts receptions and provides reserved gathering space for students, staff, and faculty. A kitchen and other lounge spaces are available for students to relax between classes. For more information, please contact Ledonia Wright Cultural Center at 252-328-6495 or visit www.ecu.edu/lwcc.

CAREER CENTER

The Career Center provides workshops, programs, services and opportunities for students that facilitate career exploration, practical work experience, and professional development. Comprehensive technology and resources enable the Career Center to provide quality offerings in a variety of delivery methods to coincide with your needs. You can develop a resume and have it critiqued, participate in a mock interview, engage your peers at an etiquette dinner, and attend the largest career fairs in the state.

The Career Center is located at 701 E. 5th Street (corner of 5th & Jarvis) or online at www.ecu.edu/e3careers.
The Career Center is open Monday-Friday 8 a.m. - 5 p.m. and can be reached at 252-328-6050.

STUDENT AFFAIRS MARKETING

The Student Affairs Marketing Department is focused on providing out-of-the-box thinking to improve communications that promote programs and services offered by Student Affairs. A team-oriented, proactive advertising agency creative concept is utilized to develop and deliver all multi-media aspects of client needs and marketing objectives.

POLICE DEPARTMENT

The East Carolina University Police Department is responsible for maintaining a safe and pleasant environment in which to live and learn. The department is made up of three divisions: Operations Division, Professional Standards Division, and the Support Services Division. Officers with the department are charged with the responsibility of protecting life and property, detecting crime on campus, and providing essential services to the university community. Concerned with the protection of life and property, the officers enforce both the laws of the state of North Carolina and the regulations of the university.

The East Carolina University Police Department is a full-service police organization that operates twenty-four hours a day, 365 days a year. The department consists of sixty-two certified officers, fifteen auxiliary officers, twenty-five to thirty student patrol officers, twelve telecommunicators and seven full-time support service personnel.

Each member of the university community is responsible for campus safety. To assist in this endeavor, the Campus Safety Section of the Operations Division promotes a safe environment through prevention, awareness and educational programs. The department collaborates with the Center for Off-Campus and Community Living in promoting a healthy and safe environment for students living off-campus.

Information about crime prevention and criminal activity on the ECU campus, streets and sidewalks adjacent to campus and in non-campus properties controlled by recognized student organizations is available at www.ecu.edu/police. That site provides crime statistics for the previous three years and 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 violations, and the substance abuse policy; and a link to information about registered sex offenders.

The department non-emergency telephone number is 252-328-6787. A 911 call placed from any campus telephone will reach the ECU Police Department.

GENERAL INFORMATION

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.

All students who are seeking college credit, whether or not they are working toward a degree, must gain admission to the university. Unless otherwise specified, undergraduate students are admitted to the university by the director of admissions. The completed application, with required evidence of eligibility, should be submitted to the Office of Undergraduate Admissions as soon as possible. Applicants should contact the Office of Undergraduate Admissions to determine deadline dates for each academic term.

- Admission to the university does not guarantee admission to individual programs. Individual program admission requirements are described in the specific academic sections.
- Post-baccalaureate students seeking a second undergraduate degree should apply to the Office of Undergraduate Admissions.
- Post-baccalaureate students seeking a graduate degree or nondegree credit only should apply to the Graduate School. This includes students with four year degrees who want to take undergraduate courses as prerequisites to graduate admission application.

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. 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 on-campus enrollment.

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 Office of Undergraduate Admissions.

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 Office of Undergraduate Admissions an application for undergraduate admission, the $60 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 completed 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 through enrollment in a regionally-accredited senior college; a minimum of 30 s.h. and one-half of the hours in the major must be completed through enrollment 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, 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 residency 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 degrees with distinction.

ADMISSION REQUIREMENTS

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-one acceptable units of secondary school credit, including in English, four course units emphasizing grammar, composition, and literature; in mathematics, four course units including algebra I, algebra II, geometry and a higher level mathematics course for which algebra II is a prerequisite (fourth unit of mathematics is required of students graduating high school in 2006 and later); 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; in foreign language, two course units in same language (two units in foreign language is required of students graduating high school in 2004 and later); and in social studies, two course units, including one unit in US history.

   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.
3. Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board (College Board.com/ACT.com, 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 are available on line and in each high school. Official scores should be sent to the Office of Undergraduate Admissions, East Carolina University.
4. A nondeductible, nonrefundable application fee of $60.

ADDITIONAL ADMISSION REQUIREMENTS FOR STUDENTS ENTERING THE SUCCEED SOONER PROGRAMS

Beginning Summer 2003, East Carolina University initiated a suite of programs designed for outstanding students who wish to move quickly toward completion of their undergraduate education. These new programs provide specialized advising, priority registration, program enrollment as well as opportunities to learn about postbaccalaureate study. Succeed Sooner Programs include the following: Degree in Three, MD in 7, and Integrated and Accelerated Bachelor's to Master's. Students accepted into these programs generally meet the following minimum criteria and may, therefore, be eligible for the Honors Program. (See Section 7.):

1. High School cumulative GPA of 3.5 (on 4.0 scale)
2. SAT of 1200 math/verbal
3. High school rank in the top 10 percent of the senior class

Degree in Three will consider for admission students whose high school standing falls slightly below the criteria listed above but whose high school counselors have nominated them for acceptance into the programs. Students who are accepted to Succeed Sooner Programs in this way are accepted probationally into the Honors Program and must meet program continuation requirements. Letters of nomination should be sent to East Carolina University, Degree in Three Program, 2535 Old Cafeteria Complex, Greenville, NC 27858-4353. Information about admission to the Integrated and Accelerated Bachelors to Masters programs is available online at www.ecu.edu/succeedsooner, and in the graduate catalog.

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 2.0 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.)
   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.)
   c. Students with 30 or more transferable hours from a regionally accredited institution are not required to provide a high school transcript or general educational development tests (GED) certificate.
2. Nondeductible, nonrefundable application fee of $60.

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, foreign language, and social sciences at a regionally-accredited institution other than East Carolina University. Those graduating from high school in 2004 must also have 6 hours of foreign language to satisfy the MCR requirements. (See Admission Requirements, 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 from a regionally-accredited institution.
3. The applicant must have earned a minimum of 16 s.h. or 23 q.h. at the institution conferring the degree.

NONTRADITIONAL STUDENTS

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 course 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.

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.

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. Academic assessments, financial evaluations, and immigration issues as well as admissions are handled through this office.
Admissions requirements for international freshman and undergraduate transfer students are:

1. Graduation from a secondary school and submission of academic records and an official English translation. Transfer students must submit secondary and higher education transcripts and an official English translation.
2. Non-native speakers of English are required to provide an evidence of English proficiency by submitting one of the following:
   - TOEFL score of minimum 500 (paper-based), 173 (computer-based) or 61 (Internet-based).
   - IELTS score of 5.5 or higher
   - SAT I Critical Reading or ACT Combined English/Writing scores
   - Applicants who have completed at least 24 credit hours at a U.S. institution of higher education and received a grade of B or better for an academic English writing/composition course will be exempt from the English proficiency requirement.
3. Completion of an Application for International Undergraduate Admission, which can be mailed, downloaded from, or submitted online at http://www.ecu.edu/cs-acad/intlaffairs/apply.cfm.
4. Nondeductible, nonrefundable application fee of $60.

In order to have an I-20 (Certificate of Eligibility for Nonimmigrant (F-1) Student status issued, international students are also required to submit the Confidential Financial Information Form together with documents showing that they have sufficient financial resources to fund their education in the US.

International students interested in applying may do so through inquiries to the Office of International Affairs, East Carolina University, International House, 306 East 9th Street, Greenville, NC 27858-4353, USA. International admissions information is available at http://www.international.ecu.edu or by e-mail, intlprgm@ecu.edu.

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 Advisor, 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.

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 Expenses and Financial Assistance section.)

POSTBACCALAUREATE STUDENTS SEEKING A SECOND BACCALAUREATE DEGREE OR NONDEGREE CREDIT

Students holding a baccalaureate degree and seeking only nondegree credit should apply to the Office of the Graduate School. Students holding a baccalaureate degree and applying for admission to pursue a second baccalaureate degree should apply to the Office of Undergraduate Admissions. (See freshman or transfer admission requirements, above, or www.ecu.edu/admissions.)

NONDEGREE STUDENTS

Individuals may be allowed to enroll in the university on a space-available basis as nondegree, auditing, or visiting students if they qualify under one of the categories listed below. The students will register with the Office of the Registrar.

Nondegree

Many individuals desire to take courses for reasons such as certification, needs arising from the workplace, and self-satisfaction. Often such plans do not include 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 who wish to enroll as nondegree students should contact the Graduate School for a nondegree graduate application and additional instructions.

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.

Auditors

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/college 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. 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 advisor. A student may audit no more than two courses in any semester.

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.

Summer Session

The university offers two schedules of summer classes for both on-campus and distance education instruction: one eleven-week session, and two five-week terms. Please see the calendars in the preface of this catalog or individual program schedules for dates. (See Nondegree and Visitors, above.)

1. For those working toward a degree from East Carolina University, all of the admission requirements must be met. (See freshman or transfer admission requirements, above, or www.ecu.edu/admissions.)
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. (See Nondegree and Visitors, above.)
3. Students holding a baccalaureate degree and seeking only nondegree credit should apply to the Graduate School.

THE GRADUATE SCHOOL

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

DUAL UNDERGRADUATE AND GRADUATE ENROLLMENT

Senior undergraduate students may be admitted as nondegree graduate students and enroll for 9 s.h. of graduate credit. The student must have the approval of his or her undergraduate advisor and the graduate program offering the course. The Dual Undergraduate/Graduate Enrollment Form and eligibility criteria may be accessed at www.ecu.edu/gradschool/ecuhtm_files/facinfo.htm.

ADVANCED PLACEMENT

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.

Transfer students should submit an official copy of advanced placement and CLEP scores to the Office of Admissions with the application.

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. Distance education students may be required to visit the campus to take placement tests. 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 or one level higher with permission of the chairperson of the Department of Foreign Languages and Literatures 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 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. Please note, however, that a placement test is required for enrollment in all lower-level Spanish courses including 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 score 540 or better on the math SAT may be placed into MATH 1065 or 1066, all of which count toward the foundations curriculum mathematics requirement. MATH 1050, which also counts toward the foundations curriculum mathematics requirement, does not require a minimum SAT score. Students without the minimum SAT score will be placed into MATH 1065 or higher based on their score on the mathematics placement test. A student who earns a higher score on the math SAT or has taken AP calculus in high school can be placed into a higher level course with the consent of the department.

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 and submission deadlines are available from the Office of Undergraduate 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 Undergraduate 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 provided by the admissions office. 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

See section on academic regulations, academic eligibility standards, for policies on readmission following suspension and the Special Readmission Policy.

GENERAL INFORMATION

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, the admissions office, or http://www.ecu.edu/cs-admin/financialserv/cashier/tufee.htm.

It is estimated that the average student who is a North Carolina resident incurs necessary expenses of approximately $13,000 for room, meals, tuition, and fees 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 $1,380 per semester for meals is an estimate. Students are required to purchase their textbooks. For their convenience, the university owns and operates 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; $500-$750 per two semesters is a reasonable estimate.

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 residentiary 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 residentiary 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 establishment of residence by reference, as in other cases, to residentiary acts accompanied by residentiary 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 the in-state tuition rate. 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.

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.

Regulations on Residency: *the Manual*. University regulations concerning the classification of students by residence, for purposes of applicable tuition differentials, are set forth in detail in *A Manual to Assist the Public Higher Education Institutions of North Carolina in the Matter of Student Residence Classification for Tuition Purposes*. Each enrolled student is responsible for knowing the contents of that *Manual*, which is the controlling administrative statement of policy on this subject. Copies of the *Manual* are available on request at the undergraduate admissions office, the registrar's office, and the Joyner and Health Sciences Libraries. The *Manual* is also available online in the residency section of the registrar's home page: http://www.ecu.edu/registrar/.

Deadline for Application. Newly admitted or readmitted undergraduate students applying for the in-state rate for tuition should complete the *Application for In-State Residence and Tuition* and return it to the undergraduate admissions office at least three weeks prior to registration day for the term for which they seek in-state tuition. Continuing undergraduate students who seek to have their residency status changed to in-state should complete the *Application* and return it to the registrar's office at least three weeks prior to registration day for the term for which they seek in-state tuition. Students seeking a military waiver of out-of-state tuition should complete the *Application for a Military Waiver* and return it to the registrar's office at least three weeks prior to registration day for the term for which they seek the waiver.

EXPENSES

ENROLLMENT DEPOSIT

Applicants who are admitted as undergraduate students are required to remit a nonrefundable deposit of $100 to signify their intention to enroll. All enrolling applicants will receive credit for the $100 deposit toward their tuition and fees.

Applicants who are accepted for admission to East Carolina University for the fall semester must deposit the $100 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.

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. The academic calendars include the published deadlines and can be accessed online at www.ecu.edu/fsonline/fscalend.htm.

Students will be charged tuition and fees.

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 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 [distance education].

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.*

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.

REFUND POLICY

REFUNDING OF 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. The official withdrawal policy may be found in the academic regulations section of this catalog. 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 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 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 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 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 Tuition Refund Appeals Committee and the written appeal can be submitted to either the Office of the Registrar or the Cashier's Office.

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 special course fees 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 Center for Academic Services.

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.

FINANCIAL ASSISTANCE

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.

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 foundations curriculum 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.

UNC CAMPUS SCHOLARSHIPS

The UNC Campus Scholarship program is awarded on financial need and merit to incoming freshmen who are North Carolina residents. The $1,500 scholarship award is designed to assist in the diversification of the university's undergraduate student body to include the presence of first generation college students, students from disadvantaged socio-economics backgrounds, and traditionally underrepresented populations on our campus.

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.

OFFICE OF STUDENT 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.

SECTION 3: EXPENSES AND FINANCIAL ASSISTANCE

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 and at www.ecu.edu/financial. Students should contact appropriate deans or departmental chairpersons of intended major areas concerning scholarships that are available in those disciplines.

East Carolina University offers academic programs through traditional on-campus class attendance as well as by distance education classes offered via the Internet and at other locations. Courses are offered in fall and spring semesters, each comprising fourteen weeks plus an additional week at the close of each semester for exams. Both traditional and nontraditional students may be enrolled in on-campus and/or distance education classes. (See www.ecu.edu)

Summer classes are offered for both on-campus and distance education instruction. There are two summer session schedule formats: one eleven-week session, and two five-week terms. Schedules for fall and spring semesters as well as summer school are located in the front of this catalog and are also available at www.ecu.edu. Students entering the university only for a summer session(s) must meet all admission requirements or be approved visitors from another institution. See Section 2, Admission and Readmission, or contact the Office of Admissions, www.ecu.edu/admissions, for further information. Graduate students should consult the Graduate School.

ACADEMIC INTEGRITY

Academic integrity is expected of every East Carolina University student.

Academic violation of 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 *East Carolina University Student Handbook* and in the *Faculty Manual*.

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

ACADEMIC ADVISEMENT

To assist campus and distance education students in their academic programs, the university has established in each college, school, and department a system of academic advising, whereby the student is assigned to a faculty member or a professional advisor who serves as his or her advisor. The advisor 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 advising. To obtain the name of their assigned advisor, students should go to ECU OneStop (www.onestop.ecu.edu), and click on Banner Self Service.

Advisors 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. The responsibility for meeting all academic requirements for a selected program rests with the student; however in addition to his or her advisor, the student may obtain help from the chairperson of the major department or the dean of the college or school.

Upon admission to the university, students are advised in the appropriate areas as follows:

- On-campus freshmen and sophomore students are advised in the General College, unless otherwise specified below, until a major is declared. (See General College, below.) Students admitted directly into a degree program are advised in that unit. (Consult academic unit.) Students admitted under the nontraditional student admissions policy will be advised by General College advisors until they have satisfied both the stipulations of their letter of admission and the requirements for admission to their major.
- Distance education students are advised by a faculty member and/or professional advisor in the major program.

GENERAL COLLEGE

The General College, administered by the Director of Academic Services, functions to advise undergraduate students until they are eligible for admission to a degree program. It affords an opportunity for students to explore various disciplines before becoming committed formally to any major. Students who enter with a definite career decision will be encouraged to take courses in the area of their interests and will be assigned an advisor in that area.

Students who have not chosen a major are advised through the Academic Advising and Support Center. Students can locate their advisor at via Banner Self Service.

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 foundations curriculum 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 by contacting his or her academic advisor, (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.

Degree In Three Program

Students admitted through the Succeed Sooner Degree in Three Program begin during the second summer term before their freshman year. They meet with special advisors in person or via telephone prior to the summer term. During the term, students review and customize their program of study with their academic advisor/mentor. In subsequent semesters, the advisors provide ongoing advising services, including use of the priority registration system. The advisors ensure that students are enrolled in appropriate classes in a timely manner in order to maintain the three-year completion schedule. Degree in Three Program advisors also provide advice on the graduate admission process. (See also Section 7.)

MD in 7 Program

Students who meet the criteria for admittance into the MD in 7 initiative and indicate they wish to pursue a pre-medical undergraduate program are encouraged to indicate their interest via the web site, www.ecu.edu/succeedsooner. Students participating in this initiative will meet with their academic advisor who will help them to tailor their programs and to follow application procedures. Students also will be expected to gain undergraduate experience in research, community and college service, and leadership.

STUDENT PROGRESSION

As students matriculate, they are classified by semester hours of credit as freshman, sophomore, junior, and senior. Students who entered through the General College will choose a major as they near completion of the foundations curriculum requirements or meet the requirements as specified in a selected degree program. Students admitted under the nontraditional student admissions policy may not declare a major untill they have met published stipulations.

CLASSIFICATION OF STUDENTS

In a regular semester, a student who registers for 12 or more semester hours is classified as full time. A student registered for less than 12 semester hours is classified as part-time. In order to graduate in eight semesters of attendance, a student in a typical degree program (120-128 s.h.) must average 15-16 semester hours (s.h.) of credit per semester. Students will be classified as to class standing as follows:

1-29 semester hours credit: Freshman	60-89 semester hours credit: Junior
30-59 semester hours credit: Sophomore	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 Academic Eligibility Standards, below.)

LIBERAL ARTS FOUNDATIONS PROGRAM

The Liberal Arts Foundations program consists of the freshman- and sophomore-level courses that satisfy the requirements in foundations curriculum 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 Liberal Arts Foundations requirements be postponed until the junior year. Suggested course sequences and other advising information may be found on the web at www.ecu.edu/advising.

The Goals of the Liberal Arts Foundations Curriculum

The overarching goal of the Liberal Arts Foundations curriculum is to provide students with the fundamental knowledge and abilities essential to their living worthwhile lives both private and public. The curriculum is based on the faculty's belief that the best way to prepare students for living worthwhile lives is to provide them with a solid foundation in the core disciplines in the liberal arts (the humanities, arts, basic sciences, and basic social sciences), in conjunction with a multidisciplinary education in the specific areas of health promotion and physical activity and mastery of writing and mathematics competencies. The foundations curriculum provides a common, unified knowledge and skills base to students who will major in different subjects and who come from diverse cultural backgrounds. Foundations courses give students the shared knowledge and abilities necessary to integrate their foundational education with their major. Taken from the perspective of students' personal, private interests, this foundation and its integration with specialized learning in the students' majors enables students to live broadly informed, responsible, worthwhile lives. From the public perspective, this integration is essential to good citizenship in an increasingly global yet culturally diverse and conflicted world.

Fundamental Goal Areas

The foundations curriculum is divided into four basic, core disciplinary areas (humanities, arts, basic sciences, basic social sciences), one multidisciplinary area in health promotion and physical activity, and two areas of competence: writing and mathematics.

All foundations courses in the core liberal arts disciplines must meet the three fundamental goals of a foundational liberal arts education:

Students must learn the subject matter of one or more of the disciplines in each of the four core areas (humanities, arts, basic sciences, and basic social sciences).

Students must learn the fundamental concepts and research methods utilized in one or more of the disciplines in each core area.

Students must learn the relevance of scholarship in the discipline and in its core area to the student's overall education.

All courses in the required multidisciplinary area (health promotion and physical activity) and competency areas (writing and mathematics) must meet the goals specific to each of these areas.

Goals for the humanities, arts, sciences, social sciences, health promotion and physical activity, writing, and mathematics are available at http://www.ecu.edu/cs-acad/fsonline/as/liberalartsfoundation.cfm.

Courses that Carry Foundations Curriculum (FC) Credit

Many courses that carry foundations curriculum credit are identified in the course listings using the FC designation; however, there may be other courses that also carry foundations curriculum credit. Many majors have specific foundation course requirements (see listing in section 8). Students should check their intended degree requirements prior to selecting foundation courses. For example, some majors may require specific science, math, social science, etc. courses. Courses in the student's major prefix area may not count toward foundations curriculum requirements.

English 1100, 1200 (FC:EN).....6 s.h.

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

(Select at least one course in each area.)

Humanities and Fine Arts (FC:HU) (FC: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 (FC: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 (FC:FA)
- Art
- Dance
- Music
- Speech
- Theatre Arts

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

Three hours of mathematics at least equivalent to MATE 1067 or MATH 1050 (not for students preparing to teach) or 1065 or 1066

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.)

Science (FC: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 (FC: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

Certain honors and interdisciplinary courses may also be used to satisfy foundations curriculum requirements. For courses used to meet the foundations curriculum requirements. (see section 9)

DECLARATION OR CHANGE OF MAJOR AND MINOR

A student who desires to declare or 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 advisor;
2. deliver the advising folder to the new advisor and have the academic record reviewed in the receiving department or advising center.
3. the receiving department will have major/minor recorded in the database and a new advisor will be assigned.

DECLARING A MAJOR

To declare (to be admitted to) a major, a student must complete the admission requirements for the program and complete the formal admission process as specified by the program. Students may choose to earn a baccalaureate degree, two baccalaureate degrees simultaneously (dual degree), or a double major. Students who hold a baccalaureate degree and wish to pursue a second undergraduate degree will follow the requirements for a dual or second major, below. (See Academic Requirements for Degrees and Minors, below.)

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 that are required in the freshman and sophomore years.

Student athletes and pre-health/pre-law students are assigned to academic advisors in their majors. Athletics and the Academic Enrichment Center (see Academic Support Services) continue to provide monitoring and support in helping these students to meet their program requirements.

ADMISSION TO THE THOMAS HARRIOT COLLEGE OF ARTS AND SCIENCES

Admission to departments in the Thomas Harriot College of Arts and Sciences is possible when the following conditions are met: the student will have no more than 10 s.h. of foundations curriculum requirements remaining at the end of the semester in which admission 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.

ADMISSION TO PROFESSIONAL SCHOOLS

Requirements for admission or readmission to professional schools is found in Section 8. Admission to professional schools is not guaranteed by admission to the university or by completion of the foundations curriculum. Students should contact the professional school of their choice to obtain additional information and application deadlines.

DECLARING A MINOR

If a 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. All BA degrees require a minor unless the degree requirements include a concentration and/or specified cognates. (See Academic Requirements for Degrees and Minors, below.)

ACADEMIC REQUIREMENTS FOR DEGREES AND MINORS

BACCALAUREATE DEGREE REQUIREMENTS

The bachelor's degree may be 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 foundations curriculum requirements, and has fulfilled all requirements of the major/minor program. (See department, school, and college listings. Also see following paragraphs for additional requirements.)

The university does not award degrees solely because a student successfully completed the required courses. Violations of the student code of conduct, including both academic and nonacademic violations, may result in a degree not being awarded. For example, when the student has disciplinary charges pending, the degree may be withheld or the awarding of the degree may be delayed.

A degree from East Carolina University comprises 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 through enrollment in 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 through enrollment in a regionally-accredited senior college.

DOUBLE MAJOR REQUIREMENTS

The double major comprises a primary major and a secondary major. The student desiring to double major will be advised in the department offering the primary major. However, the chairperson, director, or dean of the unit offering the secondary major also must review the requirements for the second major and sign the senior summary sheet. The double major may count any number of hours from the primary major toward the secondary major of the double major. The number of hours applicable toward a second major should not be limited.

If the primary major is part of a non-BA degree program and the secondary major is identified in the curriculum for the BA degree, neither additional foundations curriculum requirements for the BA degree nor a foreign language requirement will apply. Courses taken to meet foundations curriculum requirements may be used to satisfy requirements for the secondary major or a minor, except where prohibited, but not for the primary major. (See specific major requirements for restrictions.) Double major students, however, are not required to complete additional writing-intensive course work.

ADDITIONAL REQUIREMENTS FOR ALL DEGREES

Writing Intensive Requirement

Students enrolling at East Carolina University 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, typically 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. Students entering the university with transfer credit for ENGL 1200 have satisfied the foundations curriculum requirement in the area of English. Such students are still required to complete a total of 12 hours of credit in writing intensive courses. 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 of courses are identified each semester in the course schedule listing and will be designated WI on the student's transcript. A complete listing of courses approved as writing intensive may be found at the University Writing Program web site, www.ecu.edu/writing. A course will transfer into ECU as WI under two conditions. The course must either be a writing intensive course in a writing across the curriculum program at the university or college where it was taken, and/or the course must have the words "writing" or "communication" (e.g., "Writing for Business and Industry" or "Business Communications") in the course title. Courses meeting either of these two criteria will be accepted as WI, and count as writing intensive for ECU degree requirements.

Cultural Diversity Requirement

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.

Cognate and Professional Course Requirements

Many baccalaureate programs have requirements in addition to course work in foundations curriculum, in the major field, and in the minor field. These additional requirements may be labeled cognate courses or professional courses required for teacher certification (see requirements for degree in section 8). Cognates, minor courses, and courses used for the second major may be used to satisfy foundations curriculum requirements, except where prohibited. Professional courses required for teacher certification may not be used to satisfy foundations curriculum requirements.

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. Some BA degrees require a concentration and/or specified cognates instead of a minor. However, a BA degree may require a minor and 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 or SAT or ACT scores 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; MATE 1067 or MATH 1065 or 1066; PSYC 1000; and PSYC 3206 for secondary and K-12 programs. All teacher education majors should consult their advisors to select appropriate courses which may be required as cognates in their academic discipline. MATH 1050 is not accepted.

East Carolina University requires academic concentrations for all majors in elementary education, middle grades education, business and marketing education, health education, and physical education. Academic concentration requirements are listed in the College of Education subsection. Students should consult their departmental advisor for specific information about this component of their program.

Professional credits for majors in elementary education, middle grades, secondary education, business and marketing education, and special education are listed in Section 8, College 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.

MINOR 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 be 24-30 s.h. of credit. All BA degrees require a minor, unless the degree requirements include a concentration and/or specified cognates; however, some BA degrees may require a concentration or cognates in addition to a minor.

DUAL OR SECOND DEGREE REQUIREMENTS

A student may choose to earn simultaneously two degrees (e.g., BA and BS or BS and BFA, etc.). To satisfy the requirements for dual baccalaureate degrees at East Carolina University, the student must complete the requirements for one baccalaureate degree program and also complete a minimum of an additional 30 s.h. through course enrollment at ECU for the other degree. The student will be advised by both departments and a separate senior summary completed by each.

Foundations curriculum requirements for one degree may be used to satisfy the foundations curriculum requirements for the other degree, however, the required foundations curriculum courses for the second degree must be met. All other degree requirements, including a foreign language, must be met and may not be waived. All dual degree students will be required to complete at least 3 s.h. of writing intensive course work in each major. Students who wish to satisfy the requirements for a BS degree in teacher education may use the same major for both degrees provided the university offers a teacher certification program in that major.

A student who currently holds a baccalaureate degree may enroll in a second baccalaureate degree program. The student must meet the curriculum requirements for the second undergraduate degree in the catalog under which he or she enters or in some subsequent catalog, and must complete a minimum of 30 s.h. in enrollment at ECU. No student 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 foundations curriculum requirements from the first undergraduate degree satisfy foundations curriculum 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.

A student pursuing a second undergraduate degree must maintain a minimum 2.0 GPA. In determining 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 academic eligibility while a student is enrolled for a second degree. However, the GPAs from the first and second undergraduate degrees will be used in the consideration of a degree with distinction.

GRADUATION REQUIREMENTS

Every student should confer with his or her academic advisor 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 graduation reqirements review in consultation with their advisor and complete the application for graduation that is available in the Office of the Registrar and departmental offices. Students and advisors may review their graduation requirements at any time via Banner Self Service's Degree Evaluation (https://onestop.ecu.edu).

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. Students pursuing a second undergraduate degree must select a catalog issued no more than three years prior to completion of the second degree program.

In order to graduate, all students must have earned a minimum cumulative GPA of 2.0 and a GPA of 2.0 in the major. 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 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.

DEGREES WITH DISTINCTION

Based on all work attempted at all higher education institutions throughout the students' academic career and without regard to institutional practices which substitute or "forgive" grades, three levels of 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

FIRST UNDERGRADUATE DEGREE

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

1. The student must complete through enrollment in 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 through enrollment in East Carolina University.
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, including courses where the grade replacement policy has been applied). If transfer work includes grades of D or F, those grades will be included in the calculation for degrees of distinction.

SECOND UNDERGRADUATE DEGREE

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

1. The student must complete a minimum of 30 s.h. through enrollment in 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.
3. If transfer work includes grades of D or F, those grades will be included in the calculation for degrees of distinction.

ACADEMIC SUPPORT SERVICES

ACADEMIC ADVISING AND SUPPORT CENTER

The Academic Advising and Support Center assists students through academic referral and workshops for students on warning or probation. The office staff can provide information on academic policies and procedures and information about academic support programs provided in academic units and other areas. Students may visit the center or access the center's web site at www.ecu.edu/advising.

CENTER FOR ACADEMIC ENRICHMENT AND ALLIED HEALTH

The Center for Academic Enrichment and Allied Health assists students in achieving academic success. The center provides programs and individual meetings about majors and career exploration and academic skill development. Services are also available to students striving to achieve academic goals beyond the undergraduate level. Pre-health and Pre-law students are encouraged to visit the center to learn about professional schools, prepare for standardized tests, attend special workshops, and receive individual assistance. Students may access the center's website at www.ecu.edu/advising.

FIRST YEAR CENTER

NEW STUDENT ORIENTATION

As part of the First Year Center, the New Student Orientation Program assists students and family members with the transition to the university. With the assistance of 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 transition into the university classroom. During orientation, students may take placement tests in mathematics and chemistry so that they may register for the appropriate levels in these areas. Students will also meet with an advisor and register for classes. In addition, orientation provides the opportunity for family and students to become knowledgeable about student life programs offered at East Carolina University. Participants will become acquainted with faculty, staff, student leaders, and other new students and family members.

The First Year Center continues to aid students in the transition to ECU through programs such as the Freshman Seminar (COAD1000 class), Transfer Services, Academic Difficulty reports, and more. For more information about the First Year Center or orientation, telephone 252-328-4173, or access the web page at www.ecu.edu/fyc.

FRESHMAN SEMINAR

The First Year Center, through the College of Education, offers COAD 1000, Student Development and Learning in Higher Education to first year students. The course meets twice weekly and helps students transition to college life. While in the course, students focus on the development of academic skills, learning processes, and career decision-making skills. Students who successfully complete the course earn 1 s.h. of graduation credit.

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 2318 Old Cafeteria Complex, 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. Students may access additional resources, including the online writing lab for students enrolled in distance education courses, through the University Writing program web site, www.ecu.edu/writing.

CAREER CENTER

Our mission is to assist and guide all students in their career quest. We will provide a safe harbor for students to explore career options while identifying skills, experience internships, cooperative education, and part-time positions, and engage with the rest of their lives.

The Career Center provides programs and services to assist students with the transition from academic endeavors to the world of work by preparing students for life after graduation. We offer services which include classroom presentations, workshops and seminars on career-related subjects, assistance with resume writing and interviewing, and opportunities for co-op positions and internships. Each academic college has a career staff member assigned as a liaison to provide service to the students and faculty in that college.

The Career Center staff communicate with students and employers, and post part-time on- and off-campus jobs, internships/co-ops, and full-time, post graduation jobs through a dynamic system called eRecruiting. Students upload their resume to the system and employers post positions in eRecruiting.

The Career Center is open Monday through Friday 8 a.m. to 5 p.m. For more information, access the Career Center online at www.ecu.edu/e3careers, telephone 252-328-6050, or visit 701 East Fifth Street.

TESTING CENTER

The Testing Center, operated by the Office of Institutional Planning, Research, and Effectiveness administers several national testing programs, including the PRAXIS, American College Testing (ACT), College-Level Examination Program (CLEP), Law School Admission Test (LSAT), Medical College Admission Test (MCAT), Miller Analogies Test (MAT), Pharmacy College Admission Test (PCAT), Scholastic Assessment Tests (SAT), and Test of Spoken English (TSL). 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. The Testing Center does not administer exams for ECU's distance education courses. Further information is available from the Testing Center, D-102 Brewster; telephone 252-328-6811.

THE CATALOG

This version of East Carolina University's undergraduate catalog was published prior to the end of spring semester. As a result, curricular revisions and university regulations may have been officially approved after the date of publication.

For up-to-date information, consult the undergraduate online version of the university's catalog. It is the official catalog and can be found at http://www.ecu.edu/cs-acad/ugcat/. There are two versions of the online catalog that students can reference. The HTML version allows the user easy navigation and indicates up-to-date curricular revisions. The PDF version is an exact replica of the printed undergraduate catalog.

The university's undergraduate catalogs are for informational purposes only, and do not constitute a contractual agreement between a student and East Carolina University. The university reserves the right to make changes in curricula, degree requirements, course offerings, or academic regulations at any time when, in the judgment of the faculty, the Chancellor, or the Board of Trustees, such changes are in the best interest of the students and the university.

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, creed, sexual orientation, or disability. East Carolina University is an equal opportunity/affirmative action employer that accommodates the needs of individuals with disabilities.

Ordinarily, a student may expect to earn a degree in accordance with the requirements of the curriculum described in the official catalog in effect 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. No student pursuing his or her first baccalaureate degree or double major will be permitted to graduate under a catalog issued more than five years prior to the date of his or her graduation. No student pursuing a second baccalaureate degree will be permitted to graduate under a catalog issued more than three years prior to the date of his or her graduation.

Students should refer to the requirements of their respective college, school, or department for information about their programs of study and confer with their advisors 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 advance standing. Students may not be admitted to or change to a specified degree program before the degree program requirements have been published in the official catalog.

Some courses listed in sections 8 and 9 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 advisor and departments concerning availability issues. While foundations curriculum credit is indicated for some courses, foundations curriculum credit may also be available for other courses. Contact the associate vice chancellor for academic services for clarification. Courses in a student's major prefix area may not count toward his or her foundations curriculum requirements of a catalog later than the one in effect at the time of his or her original.

CHANGING CATALOGS

If a student elects to meet the requirements of a catalog later than the one in effect 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 effect 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.

Academic advisors 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 AND PARTICIPATION REGULATIONS

Students are expected to attend punctually all lecture and laboratory sessions and field experiences and to participate in course assignments and activities as described in the course syllabus. Absences are counted from the first class meeting, and, at the discretion of the instructor, absences because of late registration may not be automatically excused.

Each instructor shall determine the class attendance policy for each of his or her courses, as long as the instructor's policy does not conflict with university policy as described herein. The instructor's attendance policy, along with other course requirements, will be presented to the class, preferably in writing, at the first class meeting. Faculty may include class attendance as criteria in determining a student's final grade in the course. If class attendance is to affect a student's grade, then a written statement to that effect must be part of the course syllabus.

Excused absences should not lower a student's course grade, provided that the student, in a manner determined by the instructor, is able to make up the work that has been missed and is maintaining satisfactory progress in the course. If a student anticipates that he or she may miss more than 10% of class meeting time as a result of university-excused absences, the student is required to discuss this matter with the instructor at the beginning of the semester.

Instructors are expected to honor valid university excuses for student absences, and to provide reasonable and equitable means for students to make up work missed as a result of those absences. Student experiences that cannot be made up should be discussed at the onset of the courses to ensure that continued enrollment is feasible while there is still the opportunity to drop the course within the schedule change period. Instructors may require that students provide reasonable advanced notice of a university-excused absence, when possible. It is the student's responsibility to obtain verification of a university-excused absence by contacting the Dean of Students or his or her designee. Requests for university-excused absences should be submitted, whenever possible, to the Dean of Students or his or her designee at least a week prior to the scheduled absence. Requests submitted after the fact will be disapproved unless circumstances made prior approval impossible.

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 Dean of Students or his or her designee for a university-excused absence and provide documentation of the particulars.

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 requested by the student. Upon student request, however, the Student Health Service will confirm that the student has received medical care.

The Dean of Students or his or her designee may authorize university-excused absences for the following activities:

1. Participation in authorized 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 other activities deemed by the Dean of Students or his or her designee to warrant an excused absence.

Any student who feels that he or she has been treated unfairly concerning absences or has been misinformed by the faculty member regarding that instructor's absence policy shall have the right to appeal through the appropriate dean.

POLICY ON DISRUPTIVE ACADEMIC BEHAVIOR

East Carolina University is committed to providing each student with a rich, distinctive educational experience. To this end, students who do not follow reasonable standards of behavior in the classroom, or other academic setting, may be removed from the course by the instructor following appropriate notice. Students removed from a course under this policy will receive a grade of "drop" according to university policy, and are eligible for a tuition refund as specified in the current tuition refund policy.

COURSES

SELECTION OF COURSES

Since most undergraduate degrees require 126 semester hours (s.h.), a student must average approximately 16 s.h. per semester to graduate in four years. Students are encouraged to be mindful of this recommended course load when developing class schedules.

An undergraduate student is not permitted to select courses more than one classification level above the student's own classification.

- 0000 - 1000 Freshman
- 2000 Sophomore
- 3000 Junior
- 4000 Senior

There are occasions, however, on which exceptions to this regulation may be deemed desirable and necessary by the student's advisor 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 advisor 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, the director of the school, or the dean of the college 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 except by approval of the chair of the department or his/her designee.

Elective courses in any curriculum may be taken from any field and are decided upon in consultation with the advisor.

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."

The minimum number of semester hours required for a baccalaureate degree at East Carolina University is 120; most degrees typically require 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 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.

Fall and Spring Semesters

A student may take 18 s.h. of credit per semester without restrictions. With the approval of the advisor and the chairperson, director, or dean, a student who has earned a cumulative grade point average of 3.0 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 advisor, chairperson, director, 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 Center for Academic Services.

In the semester or summer term of graduation, a student with a minimum grade point average (GPA) of 2.0 may take extra hours with the approval of the advisor, chairperson, director, or dean and the associate vice chancellor for academic services or his/her designee.

Summer Terms

A student may take 7 s.h. each summer term or a maximum of 14 s.h. without restrictions. With the written approval of the Center for Academic Services, a student who has earned a cumulative grade point average of 3.0 in all work may take extra hours.

COURSE SUBSTITUTIONS

Only under unavoidable and exceptional circumstances will substitution for or exemption from the prescribed curricula be permitted. If it becomes necessary to request deviation from the prescribed course of study, the student should consult the dean of the college, director of the school, or the chairperson of the department of the student's major. The dean, director, or departmental chairperson will petition by letter to the registrar for substitutions or exceptions sought and will state the reasons for the change. Students transferring from other colleges who desire to substitute courses taken elsewhere for courses prescribed at the university should follow this procedure.

Any deviations from the applicable published degree requirements must have the approval of the appropriate departmental chairperson, school director, or college dean and the Center for Academic Services, as appropriate.

COURSE REPETITION

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 the appropriate departmental chairperson, school director, or college dean and the Center for Academic Services, as appropriate. 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.

INDEPENDENT STUDY COURSES

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. 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. All new

students are strongly encouraged to attend orientation. To register, new students must meet with their academic advisor to secure their registration PIN, before they can register via Banner Self Service. Web registration for continuing and re-admitted students requires a registration PIN, which is obtained from the advisor, and required for registration via Banner Self Service. 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 advisors to review their records and plan their courses for the upcoming semester. The student will complete a registration schedule form and have it approved by the advisor. The student will then enter the schedule via Banner Self Service at the appropriate registration window. (New freshmen and transfers entering fall and spring semesters, and summer terms, 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 advisor prior to making the changes via the web. On the day following the five-day schedule change period, a student may make final additions to his or her schedule. See below for instructions on requesting schedule changes after the scheduled change period.

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 Allocations, 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 advisor, the student secures the signature of the advisor 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, below.) Extenuating circumstances, however, can warrant consideration for drop by exception, as explained below.

Students may petition the Student Academic Appellate Committee through the Center for Academic Services 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 Student Health Services or the Center for Counseling and Student Development, respectively, upon receipt of appropriate documentation. Students whose petitions for drops by exception are denied by Student Health Services, the Center for Counseling and Student Development, or the Office of the Registrar 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). 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. 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:

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 or more s.h.-3 course drops

COURSE CREDITS

The university operates on the semester plan. The fall and spring semesters are each approximately fourteen weeks in length plus one week for exams at the close of each semester. The summer session is offered in two formats: two five-week terms and one eleven-week session. 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 currently 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 college dean, school director, or departmental chairperson in which the course is offered and must be approved by the Office of the Registrar. 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.) Distance education students may be required to come to campus to take the examination. 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. 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.

CREDIT BY TRANSFER

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. Students are allowed to request an evaluation of transfer courses by consulting with their academic advisor. 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. All courses and grades transferred become a part of the student's transcript. Although transfer grades are not counted in a student's ECU GPA, courses in which the student received a grade of D or F will be used in the calculation of the GPA for degrees with distinction.

Students who have satisfactorily completed basic military training may receive credit for the exercise and sport science and/or health courses required for foundations curriculum upon submitting a DD-214 or DD-295 to the Office of the Registrar, Veteran's Affairs. 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 foundations curriculum 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.

While Enrolled in East Carolina University

Approval must be granted in writing by the student's dean, director, or departmental chairperson and the Center for Academic Services prior to enrollment for transfer of any course taken 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. For purposes of this policy, correspondence courses are distinguished from distance education courses.

- 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 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)

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 Center for Academic Services.
- If the student has attained junior standing and wishes to attend a two-year institution, specific approval must be granted by the Center for Academic Services.
- If the student has previously completed 60 s.h. or more at a two-year institution, specific approval must be granted by the Center for Academic Services 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 Center for Academic Services must grant specific approval.

CREDIT TO RESTORE ACADEMIC ELIGIBILITY

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 semester hours or 45 quarter hours 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. Please note that transfer credits may affect the student's retention GPA requirements. 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 2, Admission and Readmission.

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, director, or dean. The departmental chairperson, school director, or the college dean will, if a serious emergency is believed to exist, forward a written request to the Office of the Registrar, 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 instructor 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 Dean of Students or his/her designee.

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 Dean of Students or his/her designee 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.

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 Dean's 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.

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, school director, or college dean not later than the last day for undergraduate students to drop semester-length courses during the next regular semester. The instructor's chairperson, director, 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 courses below 3000 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 should request a grade replacement on the grade replacement form, register for the course during the registration period, and submit the form to the Office of the Registrar. For the student to implement the policy, the form should 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 does not apply to courses taken prior to fall 1994.

ACADEMIC ELIGIBILITY STANDARDS

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

1-29 attempted hours and/or transfer hours, 1.6 GPA
30-59 attempted hours and/or transfer hours, 1.8 GPA
60-74 attempted hours and/or transfer hours, 1.9 GPA
75 or more attempted and/or transfer hours, 2.0 GPA
Second undergraduate degree, 2.0 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.) Please note that Academic Eligibility and Satisfactory Academic Progress for Financial Aid are not the same. Please contact Student Financial Aid for more information about Satisfactory Academic Progress for continuation of receipt of student financial aid at East Carolina University (http://www.ecu.edu/financial/).

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 and are mailed to all students in academic difficulty. 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 academic 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 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, see Special Readmission (Forgiveness) Policy under Readmission, 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 eligibility standards. Students on probation are required to meet with their advisor and attend an academic review session conducted by the Academic Advising and Support Center or his or her academic unit prior to registration for the next academic term (fall or spring).

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

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.

Appeals Of 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

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. A successful appeal of academic suspension does not also grant an appeal to Student Financial Aid Satisfactory Academic Progress standards. Please contact Student Financial Aid for more information (http://www.ecu.edu/financial/).

READMISSION

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, 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, meets the required GPA by attending summer school at ECU, 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 degrees with distinction.

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 on all course work attempted since readmission under forgiveness. 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 FROM AN ACADEMIC TERM

Students desiring to withdraw officially from the university should apply for withdrawal to the Center for Academic Services after meeting with their academic advisor. After the student has obtained the signatures of the various officials designated on the form, the student must submit the form to the Center for Academic Services for final approval. Distance education students should notify the Office of Student Services in the Division of Continuing Studies. 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 40 percent of regularly scheduled class meetings, a student may withdraw from school without receiving grades for courses in which he or she is enrolled. After 40 percent of regularly scheduled class meetings, a student withdrawing from school shall receive a grade of F for all classes which he or she is failing at the time unless a determination is made by the Student Academic Appellate Committee that the failures were caused by circumstances beyond the student's control.

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 Banner Self Service (www.onestop.ecu.edu, then click on the Banner Self Service link) using their Pirate ID 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 each semester or term 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 in writing or in person with a photo ID to the Office of the Registrar. For each copy, there is a fee of $5. 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 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. Legitimate educational interest is a demonstrated "need to know" by those officials of an institution who act in the student's educational interest. They include: faculty, administration, clerical and professional employees, and other persons who need student record information for the effective functioning of their office or position. The following criteria shall be taken into account in determining the legitimacy of a University official's access to student's records:
   a. The official must seek the information within the context of the responsibilities that he or she has been assigned.
   b. The information sought must be used within the context of official University business and not for purposes extraneous to the official's area of responsibility to the University.

6. 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 school officials who have a legitimate educational interest in the information (a school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position including law enforcement unit personnel and health staff);
   c. requests from other departments or educational agencies who have legitimate educational interest in the information, including persons or companies with whom the University has contracted (such as an attorney, auditor, collection agent, or The National Student Clearinghouse);
   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 in writing. Students may also change their address via Banner Self Service (www.onestop.ecu.edu, then click on the Banner Self Service link) using their Pirate ID and passphrase. 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 online 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, 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 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.

ONLINE DISTANCE EDUCATION

East Carolina University has been a leader in distance education in North Carolina for sixty years. In the years since the inception of its first distance education program, the university has expanded both its offerings as well as the areas that it serves. ECU recognized the potential of online learning early, and was one of the first universities in the nation to develop and offer a degree entirely over the Internet. Since then, ECU has worked to offer more than sixty degrees and certificate programs online, in fields such as education, business, health care, and technology, among others.

East Carolina University's online distance education degree programs allow students to access their coursework twenty-four hours a day, seven days a week. Online courses are taught by the same faculty that teach on-campus courses, and the level of coursework, required readings, and examinations are the same for online courses as there are for their on-campus counterparts. Programs are designed with the student in mind, and the instruction is focused on active participation and academic success.

DISTANCE EDUCATION STUDENTS

Online learning is ideal for a number of people, particularly those that are concerned about balancing the rigors of an academic workload with full-time employment or family obligations. East Carolina University offers a number of its degree and certificate programs online, making them accessible to individuals who might otherwise have difficulty with pursuing additional education.

In addition to increased skill and comfort with technology and online delivery of information, a distance education student also strengthens their self-discipline, organization, and time management skills. The format is ideal for allowing students independence in pursuit of their education, while simultaneously providing the guidance and mentorship that are traditionally associated with on-campus instruction. Though convenience and flexibility are emphasized with distance education coursework, the same amount of effort and participation are required from both student and instructor as are required for face-to-face courses.

Online courses are typically delivered using course management systems such as Blackboard, Moodle, or Sakai. These formats have been selected due to their ease of use for both student and instructor, and they have been used extensively for delivery of distance education coursework. In an online course, students and instructors communicate via text-based discussion forums, where students can access their coursework as well as read and respond to information presented by the instructor. Some courses include real-time electronic discussions that take place at a scheduled time, with students engaging their peers and instructor in conversation about course material.

Assignments and homework are submitted electronically via e-mail or the class web site, usually on a weekly basis, with all necessary materials made available via folders within the course management system. When administered electronically, examinations are taken by students during a prescribed timeframe, using a proctor when necessary.

As with on-campus sections, information such as syllabus and schedule of assignments are made available to students within the first few days of the semester for online courses.

Up-to-date listings of distance education course offerings by semester, as well as instructions for how to search for a particular course, are available at the Division of Continuing Studies' website: http://www.ecu.edu/cs-acad/options/courseinstructions.cfm. Tuition information for residents and non-residents are available at the division's web site, with current rates provided for undergraduate and graduate credits: http://www.ecu.edu/cs-acad/options/cost.cfm.

Full-time campus students that elect to add distance education course(s) to their schedule will incur additional tuition and fees for such coursework, in addition to their regular on-campus tuition. Graduate rates will apply to those students that are admitted to East Carolina University as non-degree seeking graduate students or those students that are pursuing graduate degrees or certificates of advanced study.

ONLINE DEGREE AND CERTIFICATE PROGRAMS

UNDERGRADUATE DEGREE-COMPLETION PROGRAMS *

Business Education (BSBE)
Birth through Kindergarten Teacher Education (BS)
Communication (Media Studies Concentration) (BS)
Education
- Elementary Education (BS)
- Middle Grades (BS)
- Special Education (BS)

Finance (BSBA)
Health Information Management (BS)
Health Services Management (BS)
Hospitality Management (BS)
Industrial Technology (BS)
- Bioprocess Manufacturing
- Industrial Distribution and Logistics
- Industrial Supervision
- Information and Computer Technology
- Manufacturing Systems

Information Technologies (BSBE)
Nursing (RN to BSN)

**** - Allow students with college credit to complete the last half of the degree via distance education.***

GRADUATE DEGREES

Business Administration (MBA)
- Finance
- Healthcare Management
- Hospitality Management
- Management Information Systems
- Supply Chain Management

Construction Management (MCM)
Criminal Justice (MS)
Education (Made)
- Art Education *
- Business Education *
- Health Education *
- Instructional Technology *
- Science Education *
- Special Education *
- ** - Must hold a current North Carolina teaching license*

English (Technical and Professional Communication Concentration) (MA)
Health Education (MA)
Instructional Technology (MS)
Library Science (MLS)
Music Education (MM) **
Nursing (MSN)
- Adult Nurse Practitioner **
- Clinical Nurse Specialist
- Family Nurse Practitioner **
- Nurse Midwifery **
- Nurse Education
- Nursing Leadership
- Neonatal Nurse Practitioner

Nutrition (MS)
Occupational Safety (MS)
Psychology (MA) **
Technology Systems (MS)
- Computer Networking Management
- Digital Communications
- Information Security
- Industrial Distribution and Logistics
- Manufacturing Systems
- Performance Improvement
- Quality Systems

Software Engineering (MS)
Speech, Language and Auditory Pathology (MS) **
Vocational Education (MS)

GRADUATE CERTIFICATE PROGRAMS

Assistive Technology
Community College Instruction
Computer Network Professional
Distance Instruction
Health Care Management
Information Assurance
Multicultural and Transnational Literature
Performance Improvement
Professional Communication
Security Studies
Substance Abuse Counseling
Virtual Reality in Education and Training
Web Site Developer

POST- MASTER'S CERTIFICATES

Clinical Nurse Specialist
Family Nurse Practitioner **
Nurse Midwifery **
Nursing Education
Neonatal Nurse Practitioner

ADD-ON LICENSURE

Driver's Education
Preschool **
Instructional Technology Specialist – Computers

** - *Partial on-campus attendance required.*

SCHOLAR PROGRAMS

EC SCHOLARS

In keeping with the core values of the University Honors Program, the mission of the EC Scholars Program is to enhance the university experience and foster intellectual curiosity, personal leadership and an appreciation of diversity through a program of academic, leadership, service, and social/cultural endeavors centered around a dynamic and student-focused living, learning community.

Purpose

The merit scholarships designated as the EC Scholar awards were established in 1998 to attract to East Carolina University those entering students possessing the greatest potential to become scholars and leaders. EC Scholars must maintain high program standards and continually demonstrate academic excellence and commitment, integrity and dedication. The EC Scholars Program fosters students' growth as the brightest of ECU's future alumni and community leaders.

The support of various donors makes the EC Scholars Program possible. It is through their vision and encouragement that we are able to attract the best and brightest to East Carolina University.

Process

The application for the EC Scholars Program is due January 1. Potential candidates are sent the follow-up application packets which are collected by the end of January and are reviewed by a committee. In Februrary, the top forty-five to fifty applicants and their parents are invited to campus for Scholars Weekend. Over the course of this weekend, teams composed of ECU faculty and administrators, donors, high school guidance counselors and current EC Scholars interview the applicants. Included among the finalists are four Early Assurance Awards (to the Brody School of Medicine) and up to four Alternates. Twenty scholars are selected, each receiving an award totaling up to $40,000 awarded over eight semesters. In addition, as a study abroad experience is required as part of the program, each student receives a stipend of $5,000 to help with related expenses.

Program

In keeping with the Program's commitment to a comprehensive learning experience, all first-year EC Scholars are required to live in the designated Honors/International residence hall and participate in the University Honors Program, successfully meeting and completing the requirements for graduation with University Honors.

Students must also enroll in certain required honors seminars that include an academic service learning component. EC scholars live in the honors/international residence hall during their first year where they will participate in leadership development and diversity appreciation programs.

For more information on EC Scholars, contact the program director, D-107 Brewster Building, or telephone 252-328-6373.

THE UNIVERSITY HONORS PROGRAM

The East Carolina University Honors Program is an exceptional, residential educational experience designed for academically motivated students to provide the academic challenge, support and attention of a smaller college with the opportunities of a large comprehensive university. All first-year honors students are required to live in designated housing together with EC Scholars, International Student Scholars and The North Carolina Teaching Fellows and Maynard Scholars to facilitate an educational experience rich in cultural diversity. The Program engages students in research, service and cultural appreciation through the Passport Program and through the many opportunities offered to our students. Honors students have access to research assistantships, scholarships, cultural events, community engagement, leadership development and participation in several Honors Program student organizations and program governance.

To be invited to join, students must be either an incoming freshman with at least a 3.5 unweighted GPA and a score of at least 1200 on the Scholastic Aptitude Test (SAT), or a current ECU student with a cumulative GPA of at least 3.3. Students may complete the program and graduate with either Foundations Curriculum Honors or University Honors.

In order to graduate with Foundations Curriculum Honors, students must complete twenty-four semester hours of honors coursework with a minimum 3.3 grade point average

In order to graduate with University Honors, a student must complete thirty semester hours of honors courses, including an independent upper-level project in their major (such as a thesis, a portfolio, a field experience, or co-teaching), with a minimum 3.5 grade point average.

All students in the Honors Program must complete at least one course (usually HLTH 1050) at ECU that incorporates Academic Service Learning.

The program offers honors sections of many regular introductory courses each semester (in such disciplines as English, history, anthropology, and psychology) and special, often interdisciplinary, honors seminars designed to meet foundations curriculum requirements. Many of these seminars are team-taught. In the HNRS 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.

The Honors Program also comprises the Office of National/International Fellowships and Scholarships, which familiarizes students with competitive national and international fellowships and scholarships available to selected students intent on pursuing graduate work.

For further information, e-mail the director at honors@ecu.edu or telephone 252-328-6373. 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.

UNDERGRADUATE RESEARCH

ECU, in keeping with its commitment to excellence in undergraduate education, has reaffirmed its priority of undergraduate research. Towards this end, the Office of Undergraduate Research was created. The director and the Committee on Undergraduate Research establish guidelines and award grants to eligible undergraduates who are engaged in research projects under the supervision of faculty. The Office is also charged with coordinating the annual Undergraduate Research and Creative Activities Symposium and offering student research workshops.

The Office of Undergraduate Research also proudly houses the peer-reviewed undergraduate research journal, *Explorations: The Undergraduate Research and Creative Activities Journal for the State of North Carolina.* This journal, created in conjunction with the innovative annual State of North Carolina Undergraduate Research and Creative Activities Symposium, features exceptional work of undergraduates from across the state and invites submissions from students at all two- and four-year colleges and universities within North Carolina. The inaugural issue and submission information may be viewed at www.explorationsjournal.com.

For further information about *Explorations* or any of the unique and exciting undergraduate research opportunities, students should contact the director, D-107 Brewster Building, or telephone 252-328-6373. ECU is a member of the UNC-Consortium of Undergraduate Research and the Council of Undergraduate Research.

NORTH CAROLINA NURSE SCHOLARS

The North Carolina Nurse Scholars Program was established in 1989 by the North Carolina General Assembly. The program provides college scholarship loans for outstanding high school graduates and other persons interested in pursuing higher education to become registered nurses. Recipients are chosen on the basis of academic performance, evidence of leadership and extracurricular participation, and the promise of service as a registered nurse in North Carolina. Awards can be made to full-time pre-nursing freshman; full-time pre-nursing sophomores; junior nursing students, who are nontraditional baccalaureate nursing students; community college transfers enrolling as juniors; other juniors in a baccalaureate nursing program; and to RNs enrolled full-time in a baccalaureate degree in nursing completion program. A scholarship recipient is required to practice in North Carolina as a full-time registered nurse for a full year for each year of scholarship assistance received.

Interested students may contact the College Foundation of North Carolina web site at www.cfnc.org, or contact the College of Nursing at 252-744-6477 or their high school guidance counselor. Applications are due February 15 of each year.

NORTH CAROLINA TEACHING FELLOWS

The North Carolina Teaching Fellows Program, the most ambitious teacher recruitment program in the nation and one of the most prestigious scholarship awards in North Carolina, provides a $26,000 scholarship to 500 outstanding high school seniors interested in teaching. ECU accepts 45 teaching fellows in each class. Teaching fellows participate in academic seminars, leadership development opportunities, professional internships, and social and cultural experiences. Throughout the four years, ECU Teaching Fellows also work as tutors, travel, participate in the Honors Program, perform service work, plan recruitment initiatives, and serve on various committees.

Teaching Fellows are licensed in the following areas: birth-kindergarten, elementary education (K-6), middle grades education (6-9), secondary education (9-12), and K-12 (art, dance, theatre, music, exercise and sport science). Following graduation from college, the student agrees to teach for four years in one of North Carolina's public schools, charter schools, or government schools.

High school students interested in becoming North Carolina Teaching Fellows should consult their high school guidance counselor. Applications are to be submitted in early fall of the senior year of high school. For further information on application deadlines, or more program information, access www.coe.ecu.edu/teachfel.org, or telephone the ECU Teaching Fellows Office at 252-328-4126.

Maynard Scholarship Program

James and Connie Maynard and the College of Education established the Maynard Scholarship at ECU on May 31, 2006. This four year $20,000 scholarship is awarded to ten outstanding high school seniors each year. The scholarship is modeled after the NC Teaching Fellows Scholarship and as such, recipients will be expected to teach in a public, charter or government school for four years in one of the stated counties following graduation. Individuals have up to seven years to complete this requirement. The Maynard Scholarship is administered from the ECU NC Teaching Fellows Office.

SUCCEED SOONER PROGRAMS

DEGREE IN THREE PROGRAM

The Degree In Three Program provides high caliber, highly motivated students the opportunity to finish their undergraduate degree in three years. This degree option is particularly appropriate for entering freshman who have recently graduated from high school with AP (Advanced Placement), IB (International Baccalaureate), and/or dual-enrollment credit. In general, program students have decided on a major and plan to attend graduate or professional school immediately following graduation, or desire to get an early start on their careers. This university-student partnership guarantees participation in the ECU Honors Program with full or probationary status. (See section 2 for admission requirements and Honors Program eligibility.) Program students are assigned an advisor who ensures that they get the classes they need in order to maintain the specified three-year program completion schedule. Students begin the program during the five-week second term of the summer school. During this term, they meet with their academic advisor to customize their program of study, earn 6-7 s.h. credit toward their baccalaureate degree, learn more about graduate and other advanced program admission requirements, and become familiar with the university and other students in the program. Special housing is available during this beginning summer term.

Most Degree In Three students will enroll in classes year-round. The typical three-year student will take 15-18 s.h. each fall and spring semester and 6-12 s.h. for three summers (two, five-week terms each summer). AP, IB, and dual enrollment credits received at point of admission reduce required summer attendance. Students should understand that finishing their degree in three years may involve less variety in choosing foundations curriculum and elective course work. For more information about the Degree In Three Program, access the web site at www.ecu.edu/threeyeardegree.

MD IN 7 PROGRAM

East Carolina University, in conjunction with The Brody School of Medicine (BSOM) at ECU, is pleased to offer a pre-med initiative that allows highly qualified students to complete both their undergraduate and medical degrees in seven years; this program is commonly referred to as the MD in 7. Under this plan, qualified ECU students may apply to BSOM at the end of their sophomore year. All four previous semesters must be completed at ECU and should include all prerequisite courses for medical school. (See advisor for list.) Accepted MD in 7 students are assured a place in the entering class of the Brody School of Medicine the following year if they successfully complete their junior year of undergraduate studies at ECU and

fulfill all other requirements. Upon successful completion of the first year of medical studies, MD in 7 students are awarded their appropriate bachelor's degrees.

Admission to the MD in 7 program will be highly competitive. Eligible students must be North Carolina residents who have entered the University with an SAT score of 1200 (verbal and math) or greater (or an ACT score of at least 27) and completed their freshman and sophomore years at ECU with a prerequisite science and overall GPA of at least 3.5, along with a minimum GPA of 3.5 in the required prerequisite courses. Students with SAT scores of 1300 (verbal and math) or higher may not have to take the Medical College Admission Test (MCAT) to apply for the MD in 7 program. This decision is at the discretion of the medical school's admissions office. MD in 7 applicants with SAT scores of less than 1300 must take the MCAT and achieve a minimum score of 10 in all three numerically graded sections to be eligible to apply as an applicant. Four slots in each BSOM entering class will be available for MD in 7 students. These four will be selected from the eligible pool after review of their applications and interviews by the BSOM Admissions Committee. The BSOM Admissions Committee is not held to filling these four slots.

The BSOM Admissions Committee considers a number of variables in addition to indicators of intellectual ability in evaluation of applicants. Exposure to different fields of medicine, knowledge of medically-related issues and problems, altruism evidenced by community service, eventual career plans, and compatibility with the mission of BSOM are all important aspects that frequently determine the outcome of an individual's application. Also required are letters of recommendation from ECU faculty that can provide insight into a student's academic performance and personal qualifications for a career in medicine. Students should meet regularly with the ECU pre-medical advisors to discuss the process of application.

To fulfill the requirements for their undergraduate degrees, accepted MD in 7 students must have accumulated a minimum of 96 credits by the end of the junior year, including the majority of those required for the major and the minor as well as those needed to fulfill all distribution requirements for graduation. A portion of this 96-credit requirement may be satisfied by AP credits, but the 96-credit requirement must include the following minimum number of graded credits: biology, 8; chemistry, 8*; math, 3; and physics, 4. Please note that the minimum required graded credits are not sufficient to meet the prerequisites for medical school. Students must also maintain a cumulative GPA of at least 3.5 through the end of the junior year. (See the Succeed Sooner web site for more information.)

*Chemistry 2750, 2753 and Chemistry 2760, 2763 must be completed at ECU unless the student receives a special waiver for this requirement from the BSOM Admissions Committee.

EARLY ENTRY INTO ECU GRADUATE PROGRAMS

The Integrated Bachelor's/Master's Program and the Accelerated Master's Program provide two options for students to be admitted to graduate programs earlier in their undergraduate studies than usual. (Updated information about participating degree programs is available on the Succeed Sooner web site at www.ecu.edu/succeedsooner.)

In the Integrated Bachelor's/Master's Program, qualified undergraduate students may apply for graduate admission and enroll in up to 15 hours of graduate credit to count toward completion of both the bachelor's degree and the master's degree. Students choosing this program complete their undergraduate degree in the three-year program or in the traditional four-year program. For example, qualified students can integrate the bachelor's degree in exercise and sports science and the master's degree in physical therapy. Other combinations are available; students should discuss their goals with their advisors, the Graduate School, and/or the Degree in Three office. Students receive the undergraduate degree prior to or concurrent with completion of the master's degree.

In some structured integrated programs, students receive both degrees at the same time. One such integrated program is the BSA/MSA. Students designate the integrated degree upon admission and complete the combined bachelor's and master's program in five years, receiving both degrees upon graduation. Students cannot receive the BSA only; students opting out of the BSA/MSA program change to a BSBA degree. A combination BA is psychology and MSOT in Occupational Therapy was initiated in Fall 2004. Students in this program apply after 75 hours and must maintain the required GPA for continuation. After five years, students receive both degrees. Students can identify other combined programs by visiting the Succeed Sooner web site at www.ecu.edu/succeedsooner.

The Accelerated Master's Degree Program results in only one degree, the graduate degree. This program requires students

to commit in the first semester of their freshmen year to the study of the combined degree program. With satisfactory progress, the students complete their foundations curriculum and program core requirements and then may apply directly to the master's program. The first such program at East Carolina University is one of the options for earning the master's degree in occupational therapy (MSOT). In this program, for example, students enter the university through the health service management curriculum and occupational therapy option. Students must maintain a minimum 3.2 GPA to be eligible to apply to continue their graduate program. Upon completion of this five-year program, they earn only one degree, the MSOT. This program option reduces the total number of hours in the students' program. In the OT example, the accelerated program option reduces the program from approximately 196 semester hours (undergraduate degree plus graduate degree) to 162 semester hours (combined degree). The College of Nursing offers an accelerated program for transferring students with the RN. The RN/MSN results in one ECU degree: master of science in nursing (MSN). (See www.nursing.ecu.edu.)

INTERNATIONAL PROGRAMS

INTERNATIONAL AFFAIRS

East Carolina University views the creation of international awareness as an essential obligation of the contemporary university. It provides academic and co-curricular programming which allows students to attain 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 countries and of international structures. The university aims to produce liberally educated citizens of this and other countries capable of coping with the complexity and diversity of the world in which we live. The International House is located at 309 Ninth Street; telephone 252-328-4829.

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. 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.)

Exchange Programs

In addition to its bilateral student exchanges with partner universities in fifteen countries, East Carolina University is a member of the UNC Exchange Program (UNC-EP) and the International Student Exchange Program (ISEP). As a result of these linkages, ECU students can spend a semester or full academic year studying on exchange at more than 200 institutions in 41 countries.

Studying abroad is available to students with strong foreign language skills as well as for students interested in sites where English is used as the primary language of instruction. These sites include such countries as Finland, Lithuania, Poland, Sweden, France, and the Netherlands. With proper planning, students may take courses in their major, minor or foundations curriculum without losing time toward graduation.

Studying abroad is affordable. Students studying on exchange through ECU, UNC-EP, or ISEP programs pay their tuition and fees to ECU and receive equivalent benefits at the host institution. Students may use their financial aid to pay for their exchange programs and they are encouraged to apply for a scholarship through the Rivers Endowment Fund, designed to support ECU students going on exchange.

Study abroad alumni gain a global perspective that can provide an advantage when applying to graduate schools or when applying for the first job. Admissions counselors and employers recognize that study abroad provides an opportunity to experience new cultures first hand and augment what students learn in the classroom.

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. 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 EXPERIENCES

Global Academic Initiatives

The Global Academic Initiatives program provides international experiences to students on the ECU campus through the use of real-time video, audio, and internet technologies. The global understanding course (ANTH1050 and INTL 1050), is jointly taught with three other countries and is centered around topics ranging from family to cultural traditions to the meaning of life. In this foundation curriclum course, students are partnered with their colleagues from partner universities in 18 countries to explore these and other topics. ECU's global understanding project is the winner for the 2008 Andrew Heiskell Award for Innovative International Education, given by the Institute of International Education, The same video, audio, and other technologies are used in the International Lecture Exchanges, the International Course Exchanges, and the International Research Exchanges. These virtual exchanges are offered across the curriculum in a wide variety of courses and disciplines.

LEADERSHIP PROGRAMS

BB&T CENTER FOR LEADERSHIP DEVELOPMENT

The BB&T Center for Leadership Development advocates and facilitates the incorporation of leadership development as an important dimension of intellectual attention, inquiry and activity at East Carolina University and in higher education. Major emphasis is placed on the proposition that every university student is being prepared as a leader, and therefore being empowered as an agent of positive change in society.

The Center's mission is to serve as a catalyst for leadership development throughout the University. A major goal is to encourage and assist academic units and faculty to prepare students with leadership capacities to positively influence and impact their lives, their families, their communities and the larger society. That goal is pursued by providing opportunities for leadership-related projects, programs and initiatives through financial grants for leadership development agendas.

By encouraging and assisting units to embed leadership development components into courses and programs, the Center seeks to advance East Carolina University's extant service culture and its intention as a leadership development community.

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; beardenj@ecu.edu.

CENTER FOR LEADERSHIP AND CIVIC ENGAGEMENT

The Center for Student Leadership & Civic Engagement (CSLCE) is located in Mendenhall Student Center within the Department of Student Experiences/University Unions. The mission of the center is to foster leadership practices and civic engagement experiences that transform and empower students through pedagogy, research, and co-curricular experiences. The center provides a central location for student leadership experiences and opportunities that foster their leadership development.

The CSLCE operates under five core premises and a matrix of guiding principles which aligned with the university's strategic plan to "Distinguish itself by the ability to train and prepare leaders for our state and nation." The first and foundational premise is that *leadership is a continual process of understanding who you are and using that knowledge to positively influence yourself, others, and society*. Secondly the CLSCE is driven by the premise that *civic engagement is a powerful vehicle for developing students' leadership skills*. The third operating premise is that *leadership is a collaborative process, and the fourth states that leadership is value-based*. The final premise around which the center functions is that *all students (not just those in formal positions) have the ability to apply leadership practices to real life situations.*

Programs and activities will be designed to encourage development in three learning stages; they will Discover, Design, and then Deliver. Within each stage, students will explore three phases of leadership – Self, Others, and Society.

In the Discover phase, students start by recognizing the self--who they are, what they want, what they value, how they operate as individuals and as members of groups, and how they can contribute to the betterment of society.

During the Design phase, students develop a personal strategic vision and develop strategies for motivation and self-discipline. Plans for promotion and collaboration with others are made. In this stage, students personally respond to societal challenges.

The Deliver phase is structured to be transformative. At this point in their development, students will have the opportunity to transform themselves and society by performing service to the public.

The CSLCE offers students points of entry into leadership development activities throughout their collegiate career. The center serves as a clearinghouse for multiple programs and hosts the Elite Pirate, Leadership Challenge Institute, Emerging Leaders Program, Student Financial Literacy, Co-Curricular Student Profile, LeaderShape, and the Walter & Marie Williams Leadership Award Program to name a few. To find out more about our programs and initiatives, visit our website at http://www.ecu.edu/cs-studentlife/universityunions/CSLCE.cfm or feel free to give us a call at 252-737-2002.

UNC IN WASHINGTON PROGRAM

East Carolina University is one of fourteen UNC institutions partnering with the UNC in Washington Program, a prestigious internship and experience program sponsored by UNC-GA and implemented in Summer 2005. Each term (summer, fall, and spring) three students from ECU join approximately forty students from the other institutions to live and work in Washington, D.C. The program's primary goal is to provide an opportunity for upper-level students (juniors/seniors) from the University of North Carolina's constituent institutions to work and study in Washington, D.C. Participating students live in university-leased housing convenient to the capital, work in an internship for academic credit, and take the Washington Experience Seminar. To be eligible, students must be enrolled full-time at ECU as degree-seeking students with a B or higher grade point average.

Prior to the term, selected students are assisted by the site director in obtaining prestigious internship placements. (Students may apply as many as three terms in advance of the Washington semester and should do so if their internship placement requires security clearances.) During the term, students register through ECU's UNC in Washington Office for full-time schedules (9-12 hours in summer and 12-15 hours in fall and spring), including the internship of approximately 32 hours per week (6-12 s.h.); the Washington Experience Seminar (LDVP 3000, 3 s.h.); and an independent study or other course, if needed for full-time status. The seminar course includes a variety of topics and opportunities to learn about Washington and integrates leadership development across the topics. Internship placements include Washington-based organizations, such as the U.S. Congress, the U.S. executive branch, corporate headquarters, think tanks, interest groups, research and other institutes, and other placements where students can extend their knowledge in their major discipline, observe leaders in action, and develop/refine their own understanding of successful leadership. Among the ECU student internship locations are the Smithsonian, Supreme Count, Department of Defense, ABC News, National Education Association, American Bar Association, and NIH, as well as Senate and Congressional offices. All courses offered in the UNC in Washington Program are distance-education courses by permission of the program and department.

Interested students can visit the program web site at www.ecu.edu/aa/unc_washington. Requests for further information should be addressed to UNC in Washington, 2307 Old Cafeteria Complex, East Carolina University, Greenville, NC 27858-4353; telephone 252-328-1426.

UNDERGRADUATE AND GRADUATE DEGREES, MINORS, AND CERTIFICATES

All programs listed may be available on campus unless otherwise indicated. Programs designated by the DE icon have been approved for distance education delivery. DE-P indicates that only a portion of the degree program is available through distance education.

Access www.options.ecu.edu for information regarding delivery methods and services available for degree programs offered through distance education. Distance education offerings are subject to change as other options become available.

DEGREE IN THREE PROGRAM AND MD in 7 PARTICIPATING PROGRAMS

ECU's Degree In Three Program provides high caliber, highly motivated students the opportunity to finish an undergraduate degree in three years. The program is particularly appropriate for students with AP (Advanced Placement), IB (International Baccalaureate), and/or dual-enrollment credit. (See appropriate sections of catalog for information on admission requirements and advisement as well as a description in section 7.) Degree programs participating in the Degree In Three Program are noted by an asterisk (*) in the undergraduate and graduate degree programs listing below. Consult the web site at www.ecu.edu/threeyeardegree for updates.

The MD in 7 Program allows superior students the opportunity to complete the undergraduate degree and MD in seven years. Seven degree programs are currently participating in this highly competitive program: biology, chemistry, environmental health, health education and promotion, prehealth professions option, neuroscience, physics, and applied physics.

DEGREES

UNDERGRADUATE

Bachelor of Arts (BA)
Bachelor of Fine Arts (BFA)
Bachelor of Science (BS)
Bachelor of Science in Accounting (BSA)
Bachelor of Science in Applied Physics (BSAP)
Bachelor of Science in Business Administration (BSBA)
Bachelor of Science in Business Education (BSBE)
Bachelor of Science in Nursing (BSN)
Bachelor of Music (BM)
Bachelor of Social Work (BSW)

GRADUATE

(See graduate catalog for graduate degree requirements.)

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

MINORS

UNDERGRADUATE

Aerospace Studies
African and African American Studies
Alcohol and Drug Studies
Anthropology
Art and Design
Art History
Asian Studies
Biology
Business Administration
Chemistry
Child Development and Family Relations
Classical Studies
Clinical Chemistry and Hematology
Clinical Laboratory Science Generalist
Clinical Microbiology
Coastal and Marine Studies
Communication: Communication Studies
Communication: Media Studies
Comparative Government and International Relations
Computer Science
Construction Management
Criminal Justice
Distribution Technology: Merchandising
Economics
English
Environmental Health
Ethnic Studies
Exercise and Sport Science
Forensic Science
French
Geography
Geology
German
Gerontology
Great Books
Health Informatics
Hematology and Immunohematology
Hispanic Studies
History
Hospitality Management
Indigenous Peoples of the Americas
Industrial Technology Management
Information and Computer Technology
Information Processing
International Studies
Jazz Studies
Leadership Studies
Management of Recreation Facilities and Services
Mathematics
Medieval and Renaissance Studies
Merchandising
Military Science
Multidisciplinary Studies
Music
Neuroscience
North Carolina Studies
Nutrition
Occupational Safety and Health
Philosophy
Physics
Planning
Political Science
Professional Officers Course (Aerospace)
Psychology
Public Administration
Public History
Religious Studies
Russian Studies
Science
Security Studies
Sociology
Speech and Hearing Sciences
Sports Studies
Statistics
Women's Studies
Worksite Health Promotion

GRADUATE

Statistics
Women's Studies

CERTIFICATES

UNDERGRADUATE

American Studies for Foreign Students
Aquatics Management
Atmospheric Science
Business and Technical Communication
Driver and Safety Education
Forensic Anthropology
Geographic Information Science
Jazz Studies
Spanish
Spanish Translation
Suzuki Pedagogy
Urban Design

GRADUATE

Adult Nurse Practitioner
Advanced Performance Studies
Applied Economics
Aquatics Management
Aquatics Therapy
Assistive Technology
Autism
Biofeedback
Child Welfare Studies
Clinical Nurse Specialist
Community College Instruction
Community Health Administration
Computer Network Professional
Development and Environmental Planning
Distance Instruction
Economic Development
Electronic Commerce
Employee Assistance Program Counseling
Family Nurse Practitioner
Finance
Geographic Information Science and Technology
Gerontology
Health Care Management
Hispanic Studies
Hospitality Management
Information Assurance
International Management
International Teaching
Lean Six Sigma
Management Information Systems
Multicultural and Transnational Literature
Neonatal Nurse Practitioner
Nurse Anesthesia
Nurse Midwifery
Nursing Education
Pathology Assistant
Performance Improvement
Professional Communication
Professional Investment Management and Operations
Rehabilitation Counseling
School Business Management
Security Studies
Special Endorsement in Computer Education
Sport Management
Statistics
Substance Abuse
Substance Abuse Counseling
Supply Chain Management
Suzuki Pedagogy
Tax
Virtual Reality in Education and Training
Vocational Evaluation
Website Developer

UNDERGRADUATE AND GRADUATE DEGREE PROGRAMS

Programs designated by the DE icon have been approved for distance education delivery. DE-P indicates that only a portion of the degree program is available through distance education. Access www.options.ecu.edu for information regarding delivery methods and services available for degree programs offered through distance education. Programs designated by an asterisk (*) are available as Degree In Three Programs. (For concentrations and specializations within degree programs, see departmental or school listings and the graduate catalog.)

Course of Study	Online	Off-Campus Site
Accounting		
BSA/MSA		
Adult Education		
MAEd	DE-P	
African and African American Studies		
BA		
Anatomy and Cell Biology		
PhD		
Anthropology		
BA*		
MA		
Art		
BA		
BFA		
MFA		
Art Education		
BFA		
MAEd	DE	
MAT		
Art History and Appreciation		
BA*		
Athletic Training		
BS		
MS		
Biochemistry		
BS*		
Biochemistry and Molecular Biology		
PhD		
Bioenergetics		
PhD		
Biology		
BS* (also MD in 7)		
MS		
Biomedical Physics		
PhD		
Birth-Kindergarten (B-K) Teacher Education		
BS	DE	
MAEd	DE	
Business Administration		
BSBA (See specific subject area.)	DE	
MBA	DE	
Business Education		
BSBE	DE	
MAEd	DE	
Business and Marketing Education		
BSBE	DE-P	
MAT	DE-P	

Course of Study	Online	Off-Campus Site
Chemistry		
BA* (also MD in 7)		
BS*		
MS		
Child Development and Family Relations		
MS		
Child Life		
BS*		
Clinical Laboratory Science (Medical Technology)		
BS*	DE-P	
Coastal Resources Management		
PhD		
Communication		
BA*	DE-P	
BS*	DE	
MA		
Communication Sciences and Disorders		
PhD		
Computer Science		
BA*		
BS*		
MS		
Construction Management		
BS*		
MCM	DE	
Counselor Education		
MS	DE-P	
EdS		
Criminal Justice		
BS*		
MS	DE	
Dance		
BFA		
Dance Education		
BFA		
Design		
BS		
Economics		
BA*		
BS*		
MS (Applied and Resource Economics)		
Education, Secondary (See academic subject.)		
Educational Administration and Supervision		
EdS	DE	
Educational Leadership		
EdD		
Elementary Education (K-6)		
BS	DE	DE
MAEd	DE-P	DE-P
MAT	DE-P	
Engineering		
BS		
English		
BA*		
MA	DE	

Course of Study	Online	Off-Campus Site
English Education		
BS (Secondary Education)		
MAEd	DE-P	
MAT		
Environmental Health		
BS (MD in 7)		
MSEH		
Exercise and Sport Science		
BA*		
MS		
Exercise Physiology		
BS* (DPT/6)		
Family and Community Services		
BS*		
Family and Consumer Sciences Education		
BS		
MAEd		
MAT		
Finance		
BSBA*	DE	
Foreign Languages (See specific language.)		
French		
BA		
BS, Secondary Education		
Geography		
BA*		
BS* (Applied Geography)		
MA		
Geology		
BS*		
MS		
German		
BA		
BS, Secondary Education		
Health Education		
MA	DE	
MAEd	DE	
MAT		
Health Education and Promotion		
BS* (Prehealth Professions Option MD in 7)	DE-P	
Health Fitness Specialist		
BS*		
Health Information Management		
BS	DE	
Health Services Management		
BS	DE	
Hispanic Studies		
BA		
BS (Education)		
MAT		
History		
BA*		
BS* (Public History)		
MA		

Course of Study	Online	Off-Campus Site
History Education		
BS, Secondary Education		
MAEd		
Hospitality Management		
BS	DE	
Industrial Distribution and Logistics		
BS		
Industrial Engineering Technology		
BS*		
Industrial Technology		
BS	DE	
Information and Computer Technology		
BS	DE	
Information Technologies		
BSBE	DE	
Instructional Technology		
MS	DE	
Instructional Technology Education		
MAEd	DE	
Interdisciplinary Biological Sciences		
PhD		
Interior Design		
BS		
International Studies		
MA		
Library Science		
MLS	DE	
CAS		
Management		
BSBA*	DE-P	
Management Accounting		
BSBA		
Management Information Systems		
BSBA*	DE-P	
Maritime Studies		
MA		
Marketing		
BSBA*	DE-P	
Marketing Education		
BSBE	DE-P	
MAEd	DE-P	
Marriage and Family Therapy		
MS		
Mathematics		
BA		
BS		
MA		
Mathematics, Secondary Education		
BS		
MAEd		
Medical Family Therapy		
PhD		
Medicine		
MD		

Course of Study	Online	Off-Campus Site
Merchandising		
BS		
Microbiology and Immunology		
PhD		
Middle Grades Education		
BS		
MAEd		
MAT		
Molecular Biology and Biotechnology		
MS		
Multidisciplinary Studies		
BA*		
BS* (Neuroscience BS also MD in 7)		
Music Education		
BM		
MM	DE-P	
MAT		
(Music) Performance		
BM		
MM		
(Music) Theory-Composition		
BM		
MM		
Music Therapy		
BM		
MM		
Nursing		
BSN		
RN-BSN Option	DE	
MSN	DE	
PhD		
Nutrition		
MS	DE	
Nutrition and Dietetics		
BS		
Occupational Safety		
MS	DE	
Occupational Therapy		
MSOT		
Pathology (See Interdisciplinary Biological Sciences.)		
Pharmacology		
PhD		
Philosophy		
BA*	DE-P	
Physical Education		
BS*		
MAEd		
MAT		
Physical Therapy		
DPT		
Physician Assistant		
MS		

Course of Study	Online	Off-Campus Site
Physics		
BA* (also MD in 7)		
BSAP* (Applied Physics) (also MD in 7)		
BS*		
MS (See also Biomedical Physics.)		
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	DE-P	
Psychology, School		
MA		
CAS		
Psychology, Health		
PhD		
Public Administration		
MPA		
Public Health		
MPH		
Reading Education		
BS Certification		
MAEd	DE-P	
Recreational Therapy		
BS*	DE-P	
Recreational Therapy Administration		
MS		
Recreation and Leisure Facilities Services Administration		
MS		
Recreation and Park Management		
BS*		
Rehabilitation Services		
BS*		
Rehabilitation Counseling		
MS		
PhD (and Administration)		
Romance Languages (See French, Spanish.)		
School Administration		
MSA		DE
School Health Education		
BS*		
School Library/Media Coordinator		
Licensure		
Science Education		
BS		
MA		
MAEd		
MAT	DE	

Course of Study	Online	Off-Campus Site
Secondary Education (See academic subject.)		
Social Studies Certification		
BS in history		
Social Work		
BSW	DE-P	
MSW		DE
Sociology		
BA*		
BS* (Applied Sociology)		
MA		
Software Engineering		
MS		
Special Education, Adapted Curriculum		
BS	DE	
Special Education		
MAEd	DE	
Special Education, General Curriculum		
BS	DE	
Special Education, Mental Retardation		
MAEd	DE	
Speech and Hearing Sciences		
BS		
Speech-Language and Auditory Pathology		
MS *(see also Communication Sciences and Disorders)*	DE	
Sports Studies		
BS		
Substance Abuse and Clinical Counseling		
MS		
Teaching-MAT (See specific teaching area.)		
Technical and Professional Discourse		
PhD	DE	
Technology Systems		
MS		
Theatre Arts		
BA*		
BFA		
Theatre Arts Education		
BFA		
Urban and Regional Planning		
BS		
Vocational Education		
MS	DE	
Vocational Evaluation		
MS		
Women's Studies		
BA		

PRE-PROFESSIONAL AND TWO-YEAR CURRICULA

Students desiring to enter the fields of dentistry, law, medicine, ministry, optometry, pharmacy, and veterinary medicine may take their pre-professional 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 the school he or she expects to attend. For further information, students should consult the appropriate advisors. Students interested in pre-medical, pre-dental, pre-optometry, pre-pharmacy, and pre-veterinary curricula should share their interest with their advisor, as well as contact the Center for Academic Enrichment and Allied Health, 2535 Old Cafeteria Complex.

MEDICAL HEALTH PROFESSIONS CURRICULUM

Philosophies of education and specific pre-medical and pre-dental 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.

In addition to the standard four-year, pre-professional bachelor's track for application to medical school, students may also choose to participate in the MD in 7 initiative. This is a highly competitive accelerated program that allows students to compete for a chance to earn both the bachelor's and the MD degree in seven years (3+4). If they are one of the limited number chosen for early admission to medical school, they will be awarded their undergraduate degree after the successful completion of their first year of medical studies.

Participating degree programs in the MD in 7 initiative include biology, biochemistry, chemistry, health education and promotion (pre-health professions options), environmental health, neuroscience, physics, and applied physics. A student would complete the pre-health curriculum as part of, or in addition to, the requirements from one of the above named programs of study and the foundations curriculum requirements.

Participation in the MD in 7 initiative will also involve first selection for shadowing opportunities and volunteer options in the medical arena as well as a strong academic base at the undergraduate level. Whether a student chooses to compete for early admission or to pursue the typical four-year undergraduate track, the MD in 7 initiative is dedicated to providing an excellent undergraduate course of study for highly talented students who wish to pursue a career in the medical profession. Please refer to section 7 of the catalog for a description of the MD in 7 initiative, including selection criteria.

PRE-LAW CURRICULUM

Students who intend to go to law school are encouraged to pursue an undergraduate education that prepares them to understand the world in which they live, to express themselves well, and to reason accurately and logically. Pre-law students are encouraged to choose an undergraduate degree program with courses they will enjoy and in which they will excel. Law school admission is highly competitive, and law schools favor students with high grade point averages and high Law School Admission Test (LSAT) scores. Pre-law students who are eligible to participate in the Honors Program may do so. Honors Program eligibility for entering freshman is a 3.5 GPA and 1200 SAT; for current students, eligibility is a 3.3 GPA.

For further information and/or assistance, contact the pre-law advisor at 252-328-2645 or visit online at www.ecu.edu/prelaw.

PRE-OPTOMETRY CURRICULUM

Three years of college to include the following courses: 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 one psychology course. Other recommended courses include: BIOL 2140, 2141, 2150, 2151 and CHEM 2770, 2773.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

PRE-PHARMACY CURRICULUM

Three years of college to include the following courses: BIOL 1100, 1101; BIOL 2110, 2111 or BIOL 3220, 3221 or BIOL 2130, 2131 or BIOL 2300; CHEM 1150, 1151; CHEM 1160, 1161; CHEM 2750, 2753; CHEM 2760, 2763; PHYS 1250, 1251; MATH 2119 or MATH 2121 or MATH 2171; foreign language through level 1003; recommended course: HIMA 3000. Further assistance can be obtained by consulting the pre-pharmacy advisor in the Department of Chemistry.

PRE-THEOLOGY 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@ecu.edu; or visit the web site 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.

PRE-VETERINARY CURRICULUM

Three years of college to include the following courses: BIOL 1100, 1101, 1200, 1201, 2300, 3220, 3221; CHEM 1150, 1151, 1160, 1161, 2750, 2753, 2760, 2763, 2770, 2771; MATH 1065, 2121 or 2122 or PHIL 1500, MATH 2228; PHYS 1250, 1251, 1260, 1261; 3 s.h. of animal nutrition, 6 s.h. of compositional writing, public speaking or communications, and 6 s.h. of business courses.

INTERDISCIPLINARY MINORS

GERONTOLOGY MINOR

Carol Jenkins, Center on Aging, Associate Director for Educational Programs, 203 Rivers 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 foundations curriculum requirements and the gerontology minor.

1. Core ..... 6 s.h.
CDFR/GERO/SOCW 2400. Introduction to Gerontology (3) (F,S) (FC:SO)
GERO/SOCW 5400. Seminar in Aging Studies (3) (P: Consent of instructor)

2. Core electives (Choose a minimum of three.) ..... 9-15 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)
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.
HIST 3920. Social History of American Medicine (3) (FC:SO)
HLTH 3020. Health Problems II (3) (S) (P: HLTH 3010 or consent of instructor)
MRCH 2239. Apparel and Human Behavior (3)
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) (FC:SO) (P: PSYC 1000 or 1060)
SOCI 3327. Introductory Medical Sociology (3) (S) (FC:SO) (P: SOCI 2110 or consent of instructor)
SOCI 4325. Marriage and the Family (3) (F,S,SS) (FC:SO) (P: SOCI 2110)
SOCI 5200. Seminar in the Sociology of Health (3) (P: SOCI 2110 or consent of instructor)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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 advisor 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. (Please note that the Multidisciplinary Studies director is not involved with this minor; for multidisciplinary degrees, see below.) 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 advisor.

MILITARY PROGRAMS

Steve Duncan, Director, 214 Spilman Building

DEPARTMENT OF AEROSPACE STUDIES (US AIR FORCE ROTC)

Lt. Col. Patricia Sergey, Professor of Aerospace Studies

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.

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.

Aerospace Studies students have unique opportunities to participate in optional special activities including: Introductory Flight Training, Arnold Air Society, Silver Wings, Color Guard, Base Visits, and paintball and other morale activities. There are also a wide variety of optional professional development training programs available including: Operation Air Force; Pentagon Internship; Nurse Orientation; Army Airborne Training; Field Engineering and Research Lab; Combat Survival Training; Foreign Language Immersion; Medical Orientation; and Air Force Academy Freeball and Soaring.

Air Force ROTC is an educational opportunity designed to prepare men and women to become Air Force officers while completing an undergraduate, graduate, or other professional degree program. Air Force ROTC is designed to prepare students to assume positions of increasing responsibility and importance in the modern Air Force. There are two primary routes to an Air Force ROTC commission – three- and four-year programs. Please contact the Department of Aerospace Studies to learn more about limited opportunities to compete in a one- or two-year program.

Upon successful completion of their respective program and graduation, cadets will be commissioned second lieutenants in the US Air Force. The United States Air Force offers a wide variety of challenging professional opportunities. Just a few include: Pilot, Navigator, Maintenance, Missile Operations, Missile Maintenance, Research Engineering, Mathematics, Nuclear Physics, Computer Operations and Development, Law, Health Services, Physician, Nursing, and Management including Personnel, Intelligence, Communications and Electronics, Supply, Transportation, Finance, Security Forces, Information, Education, Munitions, Air Traffic Control and many, many more.

Students with prior military service or nursing, chemistry, biology, physics, computer science, mathematics candidates are highly encouraged to apply and ask about scholarship opportunities.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

How to Apply for AFROTC

1. Students applying for the three- and four-year programs 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 other programs must contact the chairperson of the Department of Aerospace Studies. Generally, the student must have two academic years of study remaining after completion of the six-week field training course, either at the undergraduate or graduate level or a combination of the two.

Qualifications

A student must meet the following requirements before he or she can enroll in the Air Force ROTC:

General Military Course (GMC): Freshman, Sophomores, and Graduate Students with at least three semesters remaining.

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.

The General Military Course (GMC) represents the first half of the program and it is taken during the Freshman and/or Sophomore (or graduate equivalent) year(s). This program allows students to participate in Air Force ROTC for up to two years with no commitment unless on an Air Force ROTC scholarship. As a GMC cadet, students will learn more about the Air Force and the historical development of airpower. The last half, called the Professional Officer Course is competitive and is taken during the Junior and Senior (or graduate equivalent) years. These courses cover leadership skills and national defense policy.

Professional Officer Course (POC): Juniors, Seniors and Graduate Students with at least two semesters remaining.

1. Complete the Air Force ROTC general military course during the freshman and sophomore years of college.
2. Successfully complete 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.

The Professional Officer Course (POC) is highly competitive so students are encouraged to apply early. The leadership and national defense policy courses are the same as those offered the last of the three- and four-year programs.

AFROTC College Scholarship Program

Scholarships are available to students on a competitive basis and are awarded based on academic performance, SAT/ACT scores, physical fitness test, medical exam, a personal interview, and Air Force Officer Qualifying Test (AFOQT) scores. Scholarships pay for college tuition, books, lab fees, plus a monthly allowance. Many different types are available. 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, 310 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 via www.afrotc.com. High school 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 advisor.
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.

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) (FC:FA)
COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)

b. CSCI 2600. Introduction to Digital Computation (3) (S) (P: MATH 1065 or 1066)
MIS 2223. Introduction to Computers (3) (F,S,SS)

c. ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC: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) (FC:SO)
GEOG 3047. Western Europe (3) (S)

f. HIST 3121. American Military History to 1900 (3) (FC:SO)
HIST 3122. American Military History Since 1900 (3) (FC: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.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

DEPARTMENT OF MILITARY SCIENCE (US ARMY ROTC)

Lt. Col. Steven Delvaux, Professor of Military Science, 343A Rawl Building

Army Reserve Officer Training Corps Program

The Dept. of Military Science is an integral academic subdivision of the Office of Military Programs 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 32-day 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 for the Basic Course 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 $350-500 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.

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 $20,000 per year and include laboratory expenses, incidental fees, and $450 per semester for books and supplies. Students also receive ten payments of $250-500 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 346 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 receive full in-state tuition and are paid approximately $180 per month for one weekend of Army Reserve or National Guard training, plus $3,500 - 4,000 a year

subsistence allowance from the ROTC advanced course. In addition, they receive $1,000 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 history course. Students must also complete the Enhanced Skills Training Program (ESTP) within the Department of Military Science.

Military History:

HIST 3121. American Military History to 1900 (3) (F)
HIST 3122. American Military History Since 1900 (3) (S)

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) (FC:SO)
PHIL 1175. Introduction to Ethics (3) (WI*) (F,S,SS) (FC:HU)
PSYC 3221. Social Psychology (3) (F,S,SS) (FC:SO)
PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

Military History:

HIST 3122. American Military History Since 1900 (3) (FC:SO) or HIST 3121. American Military History to 1900 (3) (FC: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 or 2119 or 2121 or 2171)
OMGT 3223. Business Decision Modeling (3) (F,S,SS) (P: Minimum grade of C in MIS 2223, MATH 1066, or 2119 or 2121 or 2171, 2283)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC: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) (FC: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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

THOMAS HARRIOT COLLEGE OF ARTS AND SCIENCES

Alan R. White, Dean, 1002 Bate Building
Michael Brown, Associate Dean for Undergraduate Studies, 2300 Bate Building
Richard Todd Berry, Associate Dean for Data and Resource Management, 2300 Bate Building
Heather Ries, Assistant Dean for Graduate Studies, 2300 Bate Building
Cindy Putnam-Evans, Associate Dean for Research, 2300 Bate Building
Larry Bolen, Associate Dean for Planning, 2300 Bate Building
Gregg Hecimovich, Associate Dean for Faculty Development and Distance Education, 2300 Bate Building

PURPOSE

A community of scholars dedicated to the intrinsic value of learning, the Thomas Harriot 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; the natural sciences and mathematics; and the social sciences, including 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, Harriot College provides the liberal arts foundations curriculum 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 select 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 14,000 students enrolled annually in college courses have access to current ideas and information from professors whose learning never ceases.

CURRICULA

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

Bachelor of Arts (BA) (See departments for subjects and areas.)
Bachelor of Science (BS) (See departments for subjects and areas.)
Bachelor of Science in Applied Physics (BSAP)
Preprofessional and Two-Year Curricula

The liberal arts foundation curriculum requirements for these programs are listed in Section 4, Academic Advisement, Progression, and Support. Requirements in the field of the student's major are listed below and subsequently by departments.

THOMAS HARRIOT COLLEGE OF ARTS AND SCIENCES INTERDISCIPLINARY PROGRAMS

AFRICAN AND AFRICAN AMERICAN STUDIES

David C. Dennard, Director, A-220 Brewster Building

BA in African and African American Studies

The major in African and African American studies is an interdisciplinary degree program housed in the Thomas Harriot College of Arts and Sciences. Its comparative focus and multidisciplinary emphasis complement many existing programs that seek to prepare undergraduate students for competitive careers and productive work in a global world of different cultures, political systems, and economic infrastructures. Students pursuing a degree in AAAS will develop a broad perspective on human values and ethnic diversity, as well as an understanding of the socio-political, religious, and historical evidence related

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

to African peoples, both in Africa and the diasporic communities of North America and the Atlantic world. Students are encouraged to combine a major in AAAS with others at East Carolina University.

Minimum degree requirement is **126 s. h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum requirements for all Baccalaureate Degree Programs.) ..... 42 s. h.**
2. **Foreign Language through level 1004 ..... 12 s. h.**
3. **Core ..... 21 s. h.**
   AAAS 1000. Introduction to African and African American Studies (3)
   AAAS 4000. Senior Seminar (3) (P: Declared majors or minors in AAAS with senior status or consent of instructor)
   ART 3975. African American Art (3) (F,S) (FC:FA) (P: ART 1906, 1907; or consent of instructor)
   ENGL 3260. African American Literature (3) (F,S,SS) (FC:HU) (P: ENGL 1200)
   HIST 3810. History of Africa (3) (WI*) (F) (FC:SO)
   POLS 3039. Black Politics in America (3) (FC:SO)
   POLS 3265. African Political Systems (3) (FC:SO)
4. **Concentration (Choose 9 s.h. from one of the following.) ..... 9 s. h.**
   African:
   ART 3970. African Art (3) (WI*) (F,S) (P: ART 1906, 1907; or consent of instructor)
   FREN 2443. Readings in the Francophone Cultures of Africa (3) (FC:HU) (Taught in French) (P: FREN 1004)
   GEOG 3050. Africa (3) (WI) (S) (FC:SO)
   HIST 3820. History of South Africa (3) (WI) (FC:SO)
   HIST 3830. Africa and Islam (3) (WI) (FC:SO)
   African American:
   ENGL 4340. Ethnic American Literature (3) (WI) (S-OY) (FC:HU) (P: ENGL 1200)
   HIST 3110. History of African Americans (3) (F) (FC:SO)
   HIST 5230. Themes in African American History (3) (S)
   JUST 3700. Race, Gender and Special Populations in the Criminal Justice System (3) (F,S) (P: JUST major or minor)
   SOCI 4347. Social Inequality (3) (F) (FC:SO) (P: SOCI 2110)
5. **Electives (Choose 6 s.h. from the following.) ..... 6 s. h.**
   AAAS 2000. Study Abroad (3) (S)
   ANTH 3003. Cultures of Africa (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
   ANTH 3016. Cultures of the Caribbean (3) (S) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
   ART 2906. West and Central African Art (3) (S) (FC:FA) (P: Non-ART major)
   DNCE 1013. Jazz Dance I (3) (F) (FC:FA)
   DNCE 1023. Jazz Dance II (3) (S)
   ENGL 2760. Afro-Caribbean Language and Culture (3) (S) (P: ENGL 1200)
   FORL 2624. Francophone Literature of Africa in Translation (3) (FC:HU)
   HIST 5130. Comparative History of New World Slavery and Race Relations (3)(WI*)
   MUSC 2258. History of Jazz Music (2) (F,S,SS) (FC:FA)
   PHIL 2455. Introduction to Africana Philosophy (3) (WI*) (FC:HU)
   SOCI 4345. Racial and Cultural Minorities (3) (S) (FC:SO) (P: ANTH 1000 or SOCI 2110)
   Any course in section 3 or 4 that is not being counted toward the major.
6. **Minor ..... 24-28 s. h.**
7. **Electives to complete requirements for graduation.**

African and African American Studies Minor

The minor requires **24 s. h.** credit. A course may not be counted for both the major and minor in AAAS.

1. **Core ..... 6 s. h.**
   AAAS 1000. Introduction to African and African American Studies (3)
   AAAS 4000. Senior Seminar (3) (P: Declared majors and minors in AAAS with senior status or consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

2. Electives ..... 18 s. h.

Choose at least three courses from each of the following areas of study listed below.

African:

AAAS 2000. Study Abroad (3) (S)
ANTH 3003. Cultures of Africa (3) (OY) (FC:FA) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ART 2906. West and Central African Art (3) (S) (FC:FA) (P: Non-ART major)
ART 3970. African Art (3) (WI*) (F,S) (P: ART 1906, 1907; or consent of instructor)
ENGL 2760. Afro-Caribbean Language and Culture (3) (S) (P: ENGL 1200)
FORL 2624. Francophone Literature of Africa in Translation (3) (FC:HU)
GEOG 3050. Africa (3) (WI) (S) (FC:SO)
HIST 3810. History of Africa (3) (WI*) (F) (FC:SO)
HIST 3820. History of South Africa (3) (WI) (FC:SO)
HIST 3830. Africa and Islam (3) (WI) (FC:SO)
PHIL 2455. Introduction to Africana Philosophy (3) (WI*) (FC:HU)
POLS 3265. African Political Systems (3) (FC:SO)

African American:

AAAS 2000. Study Abroad (3) (S)
ART 3975. African American Art (3) (F,S) (FC:FA) (P: ART 1906, 1907; or consent of instructor)
ENGL 3260. African American Literature (3) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 4340. Ethnic American Literature (3) (WI) (S-OY) (FC:HU) (P: ENGL 1200)
HIST 3110. History of African-Americans (3) (F) (FC:SO)
HIST 5130. Comparative History of New World Slavery and Race Relations (3) (WI*)
HIST 5230. Themes in African American History (3) (S)
JUST 3700. Race, Gender and Special Populations in the Criminal Justice System (3) (F,S) (P: JUST major or minor)
MUSC 2258. History of Jazz Music (2) (F,S,SS) (FC:FA)
POLS 3039. Black Politics in America (3) (FC:SO)
SOCI 4345. Racial and Cultural Minorities (3) (S) (FC:SO) (P: ANTH 1000 or SOCI 2110)
SOCI 4347. Social Inequality (3) (F) (FC:SO) (P: SOCI 2110)

ASIAN STUDIES

John A. Tucker, Director, A-304 Brewster Building

The minor in Asian studies is an interdisciplinary program, offered through the Thomas Harriot College of Arts and Sciences, requiring a minimum of **24 s.h.** The minor offers courses from a range of disciplines, focusing on Asian civilizations and cultures. Students are encouraged to study available Asian languages and take advantage of appropriate study abroad opportunities. A maximum of 6 s.h. in Asia-related study abroad courses may be used to satisfy the minor. Semester hours that count toward the student's major may not count toward the Asian studies minor. Interdisciplinary programs of study will be coordinated by participating faculty advisors.

A concentration in Asian studies is available through the BA in multidisciplinary studies. Interested students should contact the director of Asian studies.

I. Core (Asia 2000, plus two other courses, each from a different discipline) ..... 9 s.h.

ASIA 2000. Introduction to Asia (3)
ANTH 3002. Cultures of East Asia (3) (FC:SO) P: ANTH 1000, or 2010, or 2200, or consent of the instructor
ART 3920. Asian Art (3) (WI*) (F,S)
GEOG 3051. Asia (3) (FC:SO) (S)
HIST 3610. History of East Asia to 1600 (3) (FC:SO)
HIST 3611. History of East Asia since 1600 (3) (FC:SO)
PHIL 2692. Buddhism (3)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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. **Electives (12 s.h. from at least two disciplines, from the above or following courses. No more than 6 foreign language credit hours can be used as electives)..... 12 s.h.**
   ANTH 3009. Motherhood of God in Asian Traditions (3) (EY) (FC:SO), Same as RELI 3000; WOST 3000: Any listing of this course may count once towards the minor.
   ART 4916. Art of India (3) (WI) (P: ART 1906, 1907; or consent of the instructor)
   CHIN 1001. Chinese Language I (3)
   CHIN 1002. Chinese Language II (3)
   HIST 3620. History of Modern Japan (3) (FC:SO) (F)
   HIST 3615. History of Traditional Japan (3) (FC:SO)
   HIST 3625. Field Study in Japanese Historical Culture (3) (FC:SO)
   HIST 3626. Field Study in Japanese Historical Texts (3) (FC:SO)
   HIST 3627. History of Japanese Buddhism (3) (FC:SO)
   HIST 3629. History of Traditional China (3) (FC:SO)
   HIST 3630. History of Modern China (3) (FC:SO)
   HIST 4610. History of Southeast Asia (3) (FC:SO)
   HIST 5680. Diplomatic History of Modern Asia (3)
   INTL 2003. Introduction to Chinese Culture (3) (FC:HU) P: ENGL 1200
   INTL 2004. Introduction to Japanese Culture (3) (FC:HU)
   INTL 2100, 2101. Arts and Sciences Abroad: Humanities (3,6) (FC:HU)
   INTL 2200, 2201. Arts and Sciences Abroad: Arts (3, 6) (FC:FA)
   JAPN 1001. Japanese Level I (3)
   JAPN 1002. Japanese Level II (3) (P: JAPN 1001 or placement in 1002 by Japanese placement test)
   JAPN 1003. Japanese Level III (3) (Lab work. P: JAPN 1002 or placement in 1003 by Japanese placement test)
   JAPN 1004. Japanese Level IV (3) (Lab work. P: JAPN 1003 or placement in 1004 by Japanese placement test)
   PHIL 2691. Classical Islam (3)
   PHIL 3691. Islam in the Modern World (3)
   PHIL 3692. Tibetan Religion and Culture (3)
   PHIL 3698. Mysticism (3)
3. **Senior Seminar..... 3 s.h.**
   ASIA 4000. Asian Studies Senior Seminar (3) Required

CLASSICAL STUDIES

John A. Stevens, Director, 3314 Bate Building

Multidisciplinary Studies Major

A multidisciplinary studies major with a focus in classics or classical civilization is available. Interested students should contact the director of classical studies.

Minor

The classical studies minor is an interdisciplinary program in the Thomas Harriot 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 archaeology, 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 foundations curriculum 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 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.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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

Choose 3 s.h. from:

HIST 3405. History of Ancient Greece to 146 BC (3) (FC:SO)
HIST 3410. History of Ancient Rome (3) (F) (FC: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,SS)
LATN 1002. Latin Level II (3) (S,SS) (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) (WI*) (F) (FC:HU) or CLAS 2001. Introduction to Classics (Social Sciences) (3) (FC:SO) or CLAS 2002. Introduction to Classics (Fine Arts) (3) (FC:FA)
CLAS 2220. Great Works of Ancient Literature I: Greece (3) (FC:HU)
CLAS 2230. Great Works of Ancient Literature II: Rome (3) (FC:HU)
CLAS 2500. Greek Tragedy in Translation (3) (FC:HU)
CLAS 4000. Seminar in Classics (3) (WI) (S)
GRK 1003. Ancient Greek Level III (3) (F)(P: GRK 1002 or consent of instructor)
GRK 1004. Ancient Greek Level IV (3) (S) (P: GRK 1003 or consent of instructor)
GRK 3001. Homer and Hesiod (3) (F) (FC:HU) (P: GRK 1004 or consent of instructor)
GRK 3002. Age of Herodotus (3) (S) (FC:HU) (P: GRK 3001 or consent of instructor)
GRK 3330. Greek Prose Composition (3) (RP: GRK 3001)
GRK 3700. Selected Topics in Ancient Greek (3) (P: GRK 3001 or consent of instructor)
GRK 4001. Athenian Drama (3) (FC:HU) (P: GRK 3002 or consent of instructor)
GRK 4002. Classical Greek Prose Authors (3) (FC:HU) (P: GRK 4001 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) (F,SS) (P: LATN 1002 or consent of instructor)
LATN 1004. Latin Level IV (3) (S,SS) (P: LATN 1003 or consent of instructor)
LATN 3001. Age of Cicero (3) (F) (FC:HU) (P: LATN 1004 or consent of instructor)
LATN 3002. Age of Augustus (3) (S) (FC:HU) (P: LATN 3001 or consent of instructor)
LATN 3330. Latin Prose Composition (3) (RP: LATN 3001)
LATN 3700. Selected Topics in Latin (3) (P: LATN 3001 or consent of instructor)
LATN 4001. Silver Latin Literature (3) (FC:HU) (P: LATN 3002 or consent of instructor)
LATN 4002. Roman Drama (3) (FC:HU) (P: LATN 4001 or consent of instructor)
LATN 4521, 4522, 4523. Directed Readings in Latin (1,2,3) (P: Consent of instructor)
PHIL 1311. Great Philosophers from Antiquity to the Present (3) (FC:HU)
PHIL 3313. Ancient Philosophy (3) (FC:HU)
PHIL 3321. Medieval and Renaissance Philosophy (3) (FC:HU)

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

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

ANTH/RELI 3113. Archaeology of the Old Testament World (3) (OY) (P: ANTH 1000 or 2000 or PHIL 1695 or consent of instructor)
ANTH/RELI 3114. Archaeology of the New Testament World (3) (OY) (P: ANTH 1000 or 2000 or PHIL 1696 or consent of instructor)
ART 1906. Art History Survey (3) (F,S) (FC:FA)
ART 2910. Ancient Art History (3) (WI*) (F,S) (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) (FC:HU)
CLAS 2400. Women in Classical Antiquity (3) (FC:HU)
CLAS 2600. The Power of Images in Ancient Greece and Rome (3) (FC:HU)
CLAS 3400. The Ancient City: Rome (3) (F,S) (FC:HU)
CLAS 3410. The Ancient City: Pompeii (3) (FC:HU)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

CLAS/ENGL 3460. Classical Mythology (3) (FC:HU)
CLAS/RELI 3600. Greek and Roman Religions (3) (FC:HU)
CLAS 3700. Selected Topics in Classical Studies (3) (WI*)
CLAS 4521, 4522, 4523. Directed Readings in Classics in Translation (1,2,3) (FC:HU) (P: Consent of instructor)
ENGL 3600. Classics Homer to Dante (3) (FC:HU)
HIST 3406. War and Society in Ancient Greece and Rome (3) (F) (FC:SO)
HIST 3412. A History of Christianity to 1300 (3) (FC:SO)
HIST 3415. The Middle Ages (3) (F) (FC:SO)
HIST 5340. The Ancient Near East (3)
HIST 5505. Maritime History of the Western World to 1415 (3)
PHIL 3350. Great Philosopher (3) (F) (FC:HU) (P: 3 s.h. in PHIL or consent of instructor)
RELI 5000. Religious Studies Seminar (3) (WI*)

* 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 foundations curriculum 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) (FC: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 1010. Diversity of Coastal North Carolina (3) (F,S) (FC:SC)
BIOL 1060. Environmental Biology (4) (F,S,SS) (FC: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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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 4210. Fluvial and Hydrological Processes (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 4540. Coastal Storms (3) (S) (P: GEOG 2200, 2250)
GEOL 1500. Dynamic Earth (3,1) (F,S,SS) (FC:SC)
GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (FC:SC)
GEOL 1700. Environmental Geology (4) (F,S) (FC: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) (FC:SC)

Social Science:

ANTH 2005. Environmental Anthropology (3) (S) (FC:SO)
ANTH 3004. Cultures of the South Pacific (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3016. Cultures of the Caribbean (3) (S) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 4260. Cultural Ecology (3) (FC: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) (FC:SO) (P: ECON 2133)
GEOG 4335. Geography of Tourism (3) (FC:SO)
GEOG 4440. Coastal Applications of GIS (3) (F,S) (P: GEOG 2250, 3410; or consent of instructor)
PLAN 4015. Emergency Management Planning (3)
PLAN 5025. Coastal Area Planning and Management (3) (P: Consent of instructor)
POLS 3256. The Politics of Energy and Environment (3) (F)
POLS 3257. International Environmental Policy (3)
SOCI 3410. Introduction to Maritime Sociology (3) (FC:SO) (P: ANTH 1000 or SOCI 2110)

ETHNIC STUDIES

Ellen Arnold, Director, G-210B Old Cafeteria Building
Chandra Cerutti, Assistant Director, G-307 Old Cafeteria Building

Ethnic studies is an interdisciplinary program that uses cross-cultural comparative methods to explore the diverse histories and cultures of ethnic groups in the US, to examine the formation of identities and societies in local, national, and global contexts, and to analyze the social, cultural, and political sources of bias and discrimination.

The ethnic studies minor requires **24 s.h.** of credit. A maximum of 6 s.h. may be used to satisfy requirements for both foundations curriculum and 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 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) (FC:HU) or ETHN 2002. Introduction to Ethnic Studies: Social Science (3) (FC:SO) or ETHN 2003. Introduction to Ethnic Studies: Fine Arts (3) (FC:FA)
ETHN 4000. Seminar in Ethnic Studies (3) (S) (FC:HU)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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. Electives ..... 18 s.h.

Choose 12 s.h. from the following courses (studies focusing primarily on historically oppressed or minority groups within the U.S.):

ANTH 3005. North American Indians (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3200. Women's Roles in Cross-Cultural Perspective (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ART 3961. Native North American Art and Ritual (3) (S) (P:ART 1906, 1907)
CDFR 4303. Families and Cultural Diversity (3) (F,S) (P:CDFR 1103)
COMM 3180. Intercultural Communication (3) (Formerly COMM 3080)
ENGL 3240. U.S. Latino/a Literature (3) (F) (FC:HU)
ENGL 3250. Native American Literatures (3) (S) (FC:HU)
ENGL 3260. African American Literature (3) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3570. American Folklore (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 4040. Literature of the New World to 1820 (3) (WI) (S-OY) (FC:HU)
ENGL 4340. Ethnic American Literature (3) (WI) (S-OY) (FC:HU) (P: ENGL 1200)
ENGL 6460. Studies in African American Literature (3) Formerly ENGL 5360
ETHN 3500. Selected Topics in Ethnic Studies (3)
FORL 2600. Literature in Translation: The Holocaust (3) (S) (FC:HU)
FORL 2666. Latino Texts (3) (F) (FC:HU)
HIST 3110. History of African Americans (3) (FC:SO)
HIST 3780. Themes in African-American History (3) (WI*) (F) (FC:SO)
HIST 5230. Themes in African-American History (3) (S)
JUST 3700. Race, Gender and Special Populations in the Criminal Justice System (3)
MUSC 2258. History of Jazz Music (2) (F,S,SS) (FC:FA)
POLS 3039. Black Politics in America (3) (F) (FC:SO)
POLS 3224. Civil Liberties (3) (FC:SO)
PSYC 3777. Ethno-cultural Influences on Development of the Self (3)
SOCI 4345. Racial and Cultural Minorities (3) (F) (FC:SO) (P: ANTH 1000 or SOCI 2110)
SOCI 4347. Social Inequality (3) (F) (FC:SO)

Choose 6 s.h. from the following courses (studies of cultures from which U.S. ethnic groups originated; non-European and oppressed cultures within Europe; and oppressed and minority groups in colonial and post-colonial situations):

ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO)
ANTH 3002. Cultures of East Asia (3) (FC:SO)
ANTH 3003. Cultures of Africa (3) (OY) (FC:SO)
ANTH 3004. Cultures of the South Pacific (3) (EY) (FC:SO)
ANTH 3009 or WOST/RELI 3000. Motherhood of God in Asian Traditions (3) (EY) (FC:SO)
ANTH 3016. Cultures of the Caribbean (3) (S) (FC:SO)
ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (FC:SO)
ANTH 3018. Cultures of Central and South America (3) (EY) (FC:SO)
ART 3960. Art and Power in Mesoamerica (3) (WI) (F,S) (P:ART 1906,1907)
ART 3970. African Art (3) (WI*) (F,S) (P:ART 1906,1907, or consent of instructor)
ENGL 4360. World Literature in English (3) (WI) (S-EY) (FC:HU) (P: ENGL 1200)
FORL 2622. Francophone Literature of the Americas in Translation (3)
FORL 2624. Francophone Literature of Africa in Translation (3)
FORL 2661. Latin-American Literature in Translation (3) (WI) (FC:HU)
FORL 3660. Hispanic Women Writers (3) (FC:HU)
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)
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 3710. Introduction to Latin American History: Colonial Period (3) (WI*) (FC:SO)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

HIST 3711. Introduction to Latin American History: Since 1808 (3) (WI*) (FC:SO)
HIST 3760. The ABC Powers: Argentina, Brazil, Columbia (3) (FC:SO)
HIST 5765. Latin America: 1492-present (3) (WI*)
INTL 2003. Introduction to Chinese Culture (3) (FC:HU) (P: ENGL 1200)
INTL 2004. Introduction to Japanese Culture (3)
INTL 3010. Field Study in Latin America (6) (P: Consent of instructor)
MUSC 2248. Music of the World's People (2) (F,S,SS) (FC:FA)
MUSC 2268. Music of Latin America (2) (FC:FA)
MUSC 5456. Introduction to Ethnomusicology (2)
MUSC 5466. Folk and Indigenous Music of Europe and the Americas (2)
MUSC 5476. African Music (2)
MUSC 5516. Ibero-Spanish Musics of the Twentieth Century (3) (WI) (P: MUSC 2166 or consent of instructor)
POLS 3260. Middle Eastern Political Systems (3) (S) (FC:SO)
POLS 3265. African Political Systems (3) (FC:SO)
POLS 3270. Latin-American Political Systems (3) (FC:SO) (S)
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 5445. Hispanic Cinema (3)
SPAN 5550. Hispanic Women Writers (3) (P: Consent of dept chair)

GREAT BOOKS

John A. Stevens, Director, 3314 Bate Building

The minor in great books requires a minimum of **24 s.h.** and is an interdisciplinary program housed within the Thomas Harriot College of Arts and Sciences consisting of seminars on themes in the humanities, natural and social sciences and the arts. The purpose of the great books seminar is to introduce students to a Socratic way of learning through dialogue. Students read original works analytically and advance positions which are put to the test by their colleagues and the instructor. The instructor acts to introduce and guide discussion, but more as a moderator than as a lecturer. Knowledge does not pass only from teacher to student through lecture; it is discovered together through dialogue. Requirements include a minimum of 9 s.h. of courses above the 2999 level. A course may not count toward the student's major and the great books minor. A major in great books is available through the BA/BS in Multidisciplinary Studies. See director for more details.

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

Choose 3 of the following:
GRBK 2000. Introduction to the Great Books (3) (FC:HU) (F)
GRBK 3001. Great Books of Science (3)
GRBK 4000. Seminar in the Great Books (3) (FC:HU) (S) (P: GRBK 2000 or consent of instructor)
GRBK 4999. Thesis in the Great Books (3) (WI) (F,S) (P: 15 s.h. of GRBK core and electives, including GRBK 2000, GRBK 4000 or consent of the director)

2. Electives .....15 s.h.

GRBK 2000, 3001, and 4000 may be repeated once each as electives with a change of topic. Other electives to complete 24 s.h. are drawn from the following:
ART 2905. Masterpieces in the Visual Arts and Literature (3) (FC:FA) (P: Non-Art major)
CLAS 2000. Introduction to Classics (Humanities) (3) (WI*) (F) (FC:HU)
CLAS 2220. Great Works of Ancient Literature I: Greece (3) (FC:HU)
CLAS 2230. Great Works of Ancient Literature II: Rome (3) (FC:HU)
CLAS 2500. Greek Tragedy in Translation (3) (FC:HU)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

CLAS 2600. The Power of Images in Classical Greece and Rome (3) (FC:HU)
CLAS 4000. Seminar in Classics (3) (WI)
CLAS 4521, 4522, 4523. Directed Readings in Classics in Translation (1,2,3) (FC:HU)
ENGL 2100. Major British Writers (3) (F,S) (FC:HU) (P: ENGL 1200)
ENGL 2200. Major American Writers (3) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (FC:HU) (P: ENGL 1200)
ENGL 3610. Human Values in Literature (3) (F-EY) (FC:HU) (P: ENGL 1200)
ENGL 3630. The Bible as Literature (3) (S) (FC:HU) (P: ENGL 1200)
ENGL 4010. Medieval Literature (3) (WI) (S-OY) (FC:HU) (P: ENGL 1200)
ENGL 4020. Chaucer (3) (WI) (F-OY) (FC:HU) (P: ENGL 1200)
ENGL 4030. Milton (3) (WI) (S-EY) (FC:HU) (P: ENGL 1200)
ENGL 4070. Shakespeare: The Histories (3) (F-EY) (FC:HU) (P: ENGL 1200)
ENGL 4080. Shakespeare: The Comedies (3) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 4090. Shakespeare: The Tragedies (3) (F,S,SS) (FC:HU) (P: ENGL 1200)
FORL 2620. French Literature in Translation (3) (FC:HU)
FORL 2660. Spanish Literature in Translation (3) (FC:HU)
FORL 2665. Don Quixote (3) (WI) (FC:HU)
FORL 2680. German Literature in Translation (3) (FC:HU)
GRBK 2000. Introduction to Great Books (3) (FC:HU) (F)
GRBK 3001. Great Books of Science (3)
GRBK 4000. Seminar in Great Books (3) (FC:HU) (S) (P: GRBK 2000 or consent of instructor)
HIST 3405. History of Ancient Greece (3) (FC: SO)
HIST3410. History of Ancient Rome (3) (F) (FC: SO)
ITAL2220. Italian Literature in Translation (3) (FC:HU)
MRST 2000. Introduction to Medieval and Renaissance Studies (3) (FC: HU)
MRST 2400. Introduction to Medieval Studies (3) (FC:HU)
MRST 2500. Introduction to Renaissance Studies (3) (FC:HU)
PHIL1311. Great Philosophers from Antiquity to the Present (3) (FC:HU)
PHIL 1695. Introduction to the Old Testament (3) (F) (FC:HU)
PHIL 1696. Introduction to the New Testament (3) (S) (FC:HU)
PHIL 2691. Classical Islam (3) (S) (FC:HU)
PHIL 2692. Buddhism (3) (S) (FC:HU)
PHIL3313. Ancient Philosophy (3) (WI*) (FC:HU)
PHIL3321. Medieval and Renaissance Philosophy (3) (FC:HU)
PHIL3331. Modern Philosophy (3) (FC:HU)
PHIL3350. Great Philosopher (3) (S) (FC:HU) (P: 3 s.h. in PHIL or consent of instructor)
POLS 2070. Introduction to Political Theory (3) (F,S) (FC:SO)
POLS 4371. Western Political Thought I: Moses to Montesquieu (3) (RP: POLS or consent of instructor)
RUSS 3220. Nineteenth Century Russian Literature in Translation (3) (FC:HU) (P: RUSS 2120; or consent of instructor)
RUSS 3221. Twentieth Century Russian Literature in Translation (3) (FC:HU) (P: RUSS 2120; or consent of instructor)
Other courses as approved by the director of Great Books

INDIGENOUS PEOPLES OF THE AMERICAS

Linda Wolfe, Director, 224 Flanagan Building
Randy Gilland, Academic Advisor, A11 Minges Coliseum

The minor in the indigenous peoples of the Americas (that is, North, Central and South American and the Caribbean region) requires a minimum of **24 s.h.** and is housed within the Thomas Harriot College of Arts and Sciences. Courses are drawn from three disciplines and no more than 12 s.h. can be taken in any one discipline. It consists of courses in anthropology, art,

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

English, geography, history, and music. The common theme of these courses and this interdisciplinary minor is the lifeways, history, art, literature, and music of the natives of the Americas. Students are encouraged to take prerequisites as part of their foundations curriculum requirements wherever possible. Prerequisites may also be waived at the discretion of the instructor. Students may choose a maximum of 3 s.h. of independent studies in a relevant discipline and a maximum of 3 s.h. of special topics courses in a relevant discipline. The minor is not open to anthropology majors.

1. Core ..... 3 s.h.

IPAM 4000. Indigenous Peoples of the Americas Seminar (3) (P: Consent of instructor)

2. Electives ..... 21 s.h.

Choose 21 s.h. from three of the following disciples; maximum of 12 s.h. from any discipline:

ANTH 3005. North American Indians (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3016. Cultures of the Caribbean (3) (S) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3018. Cultures of South and Central America (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3111. North American Archaeology (3) (OY) (FC:SO) (P: ANTH 1000 or 2000 or consent of instructor)
ANTH 3115. Caribbean Archaeology (3) (F) (P: ANTH 1000 or 2000 or consent of instructor)
ANTH 5005. Contemporary Latin American Cultures (3)
ANTH 5120. Archaeology of the Southeastern US (3) (P: ANTH 2000 or consent of instructor)
ART 3960. Art and Power in Mesoamerica (3) (WI) (F,S) (P: ART 1906, 1907)
ART 3961. Native North American Art and Ritual (3) (S) (P: ART 1906,1907)
ART 3962. Art and Landscape in the Andes (3) (F,S) (P: ART 1906,1907)
ENGL 3250. Native American Literature (3) (S) (FC:HU) (P: ENGL 1200.)
ENGL 3270. The Frontier in American Literature (3) (WI) (F-OY) (FC:HU) (P: ENGL 1200.)
GEOG 3049. Latin America (3) (WI*) (FC:SO)
HIST 3170. History of Native Americans (3)
HIST 3780. Mexico and Central America (3) (WI*) (F) (FC:SO)
HIST 5130. Comparative History of New World Slavery and Race Relations (3) (WI*)
HIST 5765. Latin America, 1492 to the Present (3) (WI*)
MUSC 2248. Music of the World's Peoples (2) (F,S,SS) (FC:FA)

INTERNATIONAL STUDIES

Sylvie Debevec Henning, Director, 200 A Ragsdale Hall

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 Thomas Harriot College of Arts and Sciences 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) (FC:SO)

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

ANTH 2005. Environmental Anthropology (3) (S) (FC:SO)
ECON 3353. Development Economics (3) (FC:SO) (P: ECON 2133)
GEOG 3003. Political Geography (3) (WI) (S) (FC:SO)
HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
PHIL 1690. World Religions (3) (F,S) (FC:HU)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 2010. Introduction to Comparative Government and Politics (3) (WI) (F,S,SS) (FC:SO)
POLS 2020. Introduction to International Relations (3) (F,S,SS) (FC: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) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
GEOG 3050. Africa (3) (S) (FC:SO)
HIST 3810. History of Africa (3) (WI*) (FC:SO)
POLS 3265. African Political Systems (3) (S) (FC: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) (FC:SO)
ANTH 4054. Anthropology of Religion (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ECON 3353. Economics of Underdeveloped Countries (3) (FC:SO) (P: ECON 2133)
ENGL 3750. Introductory Linguistics (3) (S) (FC:HU) (P: ENGL 1200)
FORL 2624. Francophone Literature of Africa in Translation (3) (FC:HU)
FREN 2443. Readings in the Francophone Cultures of Africa (3) (FC: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) (FC:SO)
HIST 5300. Comparative History of Non-Western Civilizations (3) (WI*)

Asian Studies:

Choose four from:

ANTH 3002. Cultures of East Asia (3) (FC: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) (FC:SO)
GEOG 3051. Asia (3) (S) (FC:SO)
HIST 3610. History of East Asia to 1600 (3) (FC:SO)
HIST 3611. History of East Asia Since 1600 (3) (FC: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) (FC: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) (F,S) (FC: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) (FC:HU) (P: ENGL 1200)
ENGL 3330. Early Twentieth Century Drama (3) (F-EY) (FC:HU) (P: ENGL 1200)
ENGL 3340. Contemporary Drama (3) (F-OY) (FC:HU) (P: ENGL 1200)
ENGL 3450. Northern European Mythology (3) (F,S-OY) (FC:HU) (P: ENGL 1200)
ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (FC:HU) (P: ENGL 1200)
FORL 2620. French Literature in Translation (3) (FC:HU)
FORL 2660. Spanish Literature in Translation (3) (FC:HU)
FORL 2680. German Literature in Translation (3) (FC:HU)
FREN 2440. Readings in the Culture of France I (3) (FC:HU) (P: FREN 1004)
FREN 2441. Readings in the Culture of France II (3) (FC:HU) (P: FREN 1004)
GERM 2420. Culture of the German-Speaking World (3) (FC:HU) (P: GERM 1004 or consent of dept chair)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

GERM 3340. Civilization of the German-Speaking World (3) (FC:HU) (P: GERM 2210 or 2211, 2300, 2420)
INTL 2100, 2101. Arts and Sciences Abroad: Humanities (3,6) (FC:HU)
INTL 2200, 2201. Arts and Sciences Abroad: Arts (3,6) (FC:FA)
MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (2,2,2) (WI)
PHIL 2453. Existentialism/Phenomenology (3) (F,S) (FC:HU)
PHIL 3331. Modern Philosophy (3) (F,S) (FC:HU) (P: 3 s.h. in PHIL or consent of instructor)
RUSS 3220. Nineteenth Century Russian Literature in Translation (3) (FC:HU) (P: RUSS 2120; or permission of instructor)
RUSS 3221. Twentieth Century Russian Literature in Translation (3) (FC:HU) (P: RUSS 2120; or permission of instructor)
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) (FC:SO)
INTL 2400, 2401. Arts and Sciences Abroad: Social Sciences (3,6) (SS) (FC:SO)
POLS 3234. West European Political Systems (3) (F) (FC:SO)
POLS 3235. East European Political Systems (3) (S) (FC: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)

Group III - History:
HIST 3420. Early Modern Europe to 1648 (3) (FC:SO)
HIST 3430. History of Europe, 1815-1914 (3) (FC:SO)
HIST 3435. History of Europe Since 1914 (3) (FC: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 (3,6) (SS) (FC: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) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3018. Cultures of South and Central America (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ECON 3353. Development Economics (3) (FC:SO) (P: ECON 2133)
FORL 2661. Latin-American Literature in Translation (3) (FC:HU)
FORL 2666. Latino Texts (3) (FC:HU)
GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
GEOG 3049. Latin America (3) (WI*) (FC:SO)
GEOG 3056. Middle America (3) (FC:SO)
HIST 3710. Introduction to Latin-American History: Colonial Period (3) (WI*) (FC:SO)
HIST 3711. Introduction to Latin-American History: Since 1808 (3) (WI*) (FC:SO)
HIST 3780. Mexico and Central America (3) (WI*) (FC: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) (FC:SO) (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)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 2222. Intermediate Spanish Conversation (3) (P: Minimum grade of B in 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) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair)
SPAN 4561. Latin-American Texts of the Pre-Columbian and Colonial Periods (3) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)
SPAN 4563. Latin-American Texts: The Boom and Beyond (3) (FC: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)

LEADERSHIP STUDIES MINOR

The leadership studies minor is a multidisciplinary program designed to provides opportunities to study leaders and leadership concepts that are applicable to leadership in a variety of contexts. The leadership studies minor complements any academic major and provides formal learning experiences that can be supplemented by additional campus and community leadership experiences as part of the leadership development process. The minor requires a minimum of 24 s.h., and courses may not count simultaneously toward the student's major and the leadership studies minor.

1. Core.....6 s.h.

LDSP 1000. Introduction to Leadership Studies (3) (F)
LDSP 4000. Leadership Studies Capstone Seminar (3) (S)

2. Electives (At least 3 s.h. from each of the 5 areas below).....18 s.h.

Ethics:

PHIL 1175. Introduction to Ethics (3) (WI*) (F,S,SS) (FC:HU)
PHIL 2274. Business Ethics (3) (WI*) (F,S,SS) (FC:HU)
PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)

Communication:

ANTH 3300. Language and Culture (3) (FC:SO) (P: ANTH 1000 or 2010 or 2200; or consent of instructor)
COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA)
COMM 2420. Business and Professional Communication (3) (F,S, SS) (FC:FA)
COMM 3110. Persuasion Theories (3) (S) (P: COMM major or minor or consent of instructor)
COMM 3142. Small Group Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3152. Interpersonal Communication Theory (3) (F) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 4130. Conflict and Communication (3) (P: COMM major or minor or consent of instructor; COMM 3142 or 3152 or 3160)
COMM 4135. Gender and Communication (3) (S) (P: COMM major or minor or consent of instructor; COMM 3142 or 3152 or 3160)
ENGL 3835. Persuasive Writing (3) (WI) (S) (P: ENGL 1200)

Organizational Behavior:

COMM 3160. Organizational Communication Theory (3) (P: COMM major or minor or consent of instructor)
MGMT 4242. Organizational Behavior (3) (F,S) (P: MGMT 3302)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
SOCI 4500. Work and Organizations (3) (S) (FC:SO) (P: SOCI 2110)

Diversity:

ANTH 3200. Women's Roles in Cross-Cultural Perspective (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
CDFR 4303. Families and Cultural Diversity (3) (F,S) (P: CDFR 1103)
COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)
EDUC 3002. Introduction to Diversity (3)
PSYC 3777. Ethnocultural Influences on the Development of the Self (3) (P: PSYC 1000 or 1060)
SOCI 3400. Introduction to Gender and Society (3) (FC:SO) (P: SOCI 2110)
SOCI 4345. Racial and Cultural Minorities (3) (S) (FC:SO) (P: ANTH 1000 or SOCI 2110)

Leaders and Leadership:

HIST 3333. History and Biography (3) (FC:SO)
MGMT 4343. Organizational Leaders and Leadership (3) (F,S) (P: MGMT 3202 or 3302; MGMT 4242 or PSYC 3241)
POLS 3040. Women in Politics (3) (P: P: POLS 1010 or consent of instructor)
POLS 3203. The American Executive (3) (FC:SO)
POLS 4000. Political Leadership (3) (P: 12 s.h. in POLS or consent of instructor)

MEDIEVAL AND RENAISSANCE STUDIES

Kevin N. Moll, Director, 313 Fletcher

Multidisciplinary Studies Major

A multidisciplinary major with an emphasis on Medieval and Renaissance studies is available. Interested students should contact the director of Medieval and Renaissance studies.

Minor

The Medieval and Renaissance studies requires **24 s.h.** credit. The interdisciplinary program offers two introductory courses and a senior/graduate-level seminar. In addition, the program includes courses from the following disciplines: art, history, English, foreign languages and literatures, music, political science, philosophy, and theatre. A maximum of 6 s.h. of courses taken to meet foundations curriculum requirements may also be used to satisfy the requirements of the Medieval and Renaissance studies minor, if their content justifies it. The student's program of study must be approved by the director of Medieval and Renaissance studies.

1. Core.....6 s.h.

Choose 6 s.h. from the following courses (it is recommended that the third be taken as an elective):
MRST 2400. Introduction to Medieval Studies (3)
MRST 2500. Introduction to Renaissance Studies (3)
MRST 5000. Medieval and Renaissance Studies Seminar (3) (P: 3 s.h. in MRST or consent of director)

2. Electives (Choose from at least four of the areas of study listed below.) ..... 18 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. It is strongly recommended that 6 s.h. of applicable foreign language study be completed in conjunction with the minor (or major) if the student's major does not already incorporate such a requirement. 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. With prior approval from the director, 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, or consent of instructor)
ART 2930. Italian Baroque Art History (3) (P: ART 1906, 1907, or consent of instructor)
ART 3930. Italian Renaissance Art: 1300-1500 (3) (WI*) (P: ART 1906, 1907)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 3940. Italian Renaissance Art: 1500-1600 (3) (WI*) (F,S) (P: ART 1906, 1907)
ART 4900. Northern Renaissance Art History (3) (WI*) (F) (P: ART 1906, 1907, or consent of instructor)
ENGL 3000. History of British Literature to 1700 (3) (WI) (F,S) (FC:HU) (P: ENGL major, minor, or consent of dept; ENGL 1200)
ENGL 3450. Northern European Mythology (3) (F,S-OY) (FC:HU) (P: ENGL 1200)
ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (FC:HU) (P: ENGL 1200)
ENGL 4010. Medieval Literature (3) (WI) (S-OY) (FC:HU) (P: ENGL 1200)
ENGL 4020. Chaucer (3) (WI) (F-OY) (FC:HU) (P: ENGL 1200)
ENGL 4030. Milton (3) (S-EY) (FC:HU) (P: ENGL 1200)
ENGL 4050. Prose and Poetry of the English Renaissance (3) (WI) (F-EY) (FC:HU) (P: ENGL 1200)
ENGL 4070. Shakespeare: The Histories (3) (F-EY) (FC:HU) (P: ENGL 1200)
ENGL 4080. Shakespeare: The Comedies (3) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 4090. Shakespeare: The Tragedies (3) (F,S,SS) (FC:HU) (P: ENGL 1200)
FORL 2665. Don Quixote (3) (WI) (S) (FC:HU)
FREN 3555. France of the Middle Ages and Renaissance (3) (P: FREN 3500 or consent of dept chair)
HIST 3412. A History of Christianity to 1300 (3) (FC:SO) (RP: HIST 3412)
HIST 3414. The Celtic World, 700 B.C. – 1601 A.D. (3)
HIST 3415. The Middle Ages (3) (FC:SO)
HIST 3420. Early Modern Europe to 1648 (3) (FC:SO)
HIST 3480. Britain to 1688 (3) (FC:SO)
HIST 5350. The Renaissance in European History (3)
HIST 5360. The Reformation, 1450-1598 (3)
MRST 2400. Introduction to Medieval Studies (3) (FC:HU)
MRST 2500. Introduction to Renaissance Studies (3) (FC:HU)
MRST 5000. Medieval and Renaissance Studies Seminar (3) (P: 3 s.h. in MRST or consent of director)
MUSC 2225. Introduction to Early Music in the West (3) (FC:FA)
PHIL 3321. Medieval and Renaissance Philosophy (3) (F,S) (FC:HU)
POLS 4371. Western Political Thought I: Moses to Montesquieu (3) (RP: POLS 2070)
SPAN 4555. Medieval Spain (900-1499) (3) (WI) (P: SPAN 2440, 2550; or consent of dept chair)
SPAN 4556. Renaissance and Baroque Spain (1500-1681) (3) (FC:HU) (P: SPAN 2440, 2550; or consent of dept chair)

MULTIDISCIPLINARY STUDIES

Calvin Mercer, Director, A-327 Brewster Building

Multidisciplinary studies is a university-wide program administered by the Thomas Harriot College of Arts and Sciences. The goals of the program are to foster multidisciplinary study among various schools and departments, enable motivated students to pursue degrees in specialized or new fields, and encourage undergraduates to pursue research interests while working closely with faculty. Honors are awarded to students who earn a 3.5 GPA in approved major courses. There are two multidisciplinary studies options.

The individual concentration is designed for the student (1) who has clear interests and objectives that overlap schools, departments, degrees, or concentrations; (2) whose interests and objectives cannot reasonably be met through existing majors, minors, and electives; and (3) whose program is not fashioned in order to bypass a requirement of an existing program. A course of study is developed by the student in consultation with faculty in the appropriate disciplines and the director of multidisciplinary studies. A formal proposal, including the list of faculty who will supervise the student, is submitted to the Multidisciplinary Studies Committee. To begin the process, interested students should contact the director of multidisciplinary studies for procedures and guidelines. The major must be approved early enough in one's academic career in order to have time to adhere to program guidelines. To declare a major, students must have completed 30 s.h. with a minimum cumulative 2.0 GPA and the student's proposal must be approved by the Multidisciplinary Studies Committee. Program requirements include MULT 3500 and 4999; students may not be enrolled in these courses without admission to the program.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

The structured concentrations are approved by the Multidisciplinary Studies Committee and are provided in areas where there has been clear evidence of significant student demand. For structured concentrations, students take a prearranged curriculum that is approved by a recognized academic committee with oversight in that disciplinary area. Requirements include the completion of interdisciplinary courses, comparable to MULT 3500 and 4999, which address interdisciplinary methods and topics. Current structured concentrations are: classics, neuroscience, and religious studies. Students interested in one of these programs should contact professors John Stevens, classics; Tuan Tran, neuroscience; or Calvin Mercer or Derek Maher, religious studies.

The nature of this program requires that the student be highly motivated and disciplined and that faculty advising the student be closely involved in the process from the proposal preparation stage through the completion of the program. The program is not a general studies degree and program guidelines prohibit approval into the program of students who have not developed a coherent and academically respectable course of study that meets program guidelines.

BA in Multidisciplinary Studies

Minimum degree requirement is **120 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.) ..... 42 s.h.**
2. **Foreign language through level 1004 ..... 12 s.h.**
3. **Core..... 30 s.h.**
   MULT 3500. Research in Multidisciplinary Studies (3) (WI) (P: Admission to MULT; consent of program director) or comparable structured concentration course.
   MULT 4999. Seminar in Multidisciplinary Studies (3) (WI) (P: MULT 3500; consent of program director) or comparable structured concentration course.
   A minimum of 24 s.h. of approved courses in the major.
4. **Minor or approved structured electives ..... 24 s.h.**
5. **A minimum of 24 s.h. from Sections 3 and 4 must be above 2999.**
6. **Free electives to complete requirements for graduation.**

BS In Multidisciplinary Studies

Minimum degree requirement is **120 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.) ..... 42 s.h.**
2. **Core..... 42 s.h.**
   MULT 3500. Research in Multidisciplinary Studies (3) (WI) (P: Admission to MULT; consent of program director) or comparable structured concentration course.
   MULT 4999. Seminar in Multidisciplinary Studies (3) (WI) (P: MULT 3500; consent of program director) or comparable structured concentration course.
   A minimum of 36 s.h. of approved courses in the major.
3. **Minor or approved structured electives ..... 24 s.h.**
4. **A minimum of 24 s.h. from Sections 2 and 3 must be above 2999.**
5. **Free electives to complete requirements for graduation.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

NEUROSCIENCE STUDIES

Tuan Tran, Director, 209 Rawl Building

Multidisciplinary Studies Major

A multidisciplinary studies major with a focus in neuroscience is available. Interested students should contact the director of neuroscience studies.

Students pursuing a BS multidisciplinary major in neuroscience who are also participating in the MD/7 program must meet all the specified requirements for their major. In addition, the student will need to fulfill the pre-health concentration by taking BIOL 1100, 1101, 1200, 1201; PHYS 1250, 1251, 1260, 1261. If the student is accepted for admission to the Brody School of Medicine under the MD/7 program, the first year of medical studies will count toward fulfilling the remaining hours of electives as required for graduation.

Minor

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 advisor should send a potential minor to the director for advising. The minimum requirements for the minor are **24 s.h.** as follows:

1. **Core.....20 s.h.**
   BIOL 1100, 1101. Principles of Biology I (4,0) (F,S,SS) (FC:SC)
   CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
   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) (FC:SO) or PSYC 1060. Honors Introductory Psychology (3) (F,S) (FC:SO)
   PSYC 3310. Introduction to Neuroscience (3) (F,S,SS) (FC:SO)
2. **Neuroscience Laboratory Course (Choose one.).....2-3 s.h.**
   NEUR 4201. Laboratory Methods in Cellular and Molecular Neuroscience (2) (S)
   PSYC 4312. Laboratory Methods in Behavioral Neuroscience (3) (P: PSYC 3310, 3311; or consent of instructor)
   PSYC 4315. Neuroscience: Literature and Laboratory Experience (3) (P: PSYC 2210; 3310 or 3311; or consent of instructor)
3. **Electives .....2-5 s.h.**
   BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or 1100, 1101)
   BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130)
   BIOL 2300. Principles of Genetics (3) (F,S,SS) (FC: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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

CHEM 2763. Organic Chemistry Laboratory II (1) (F,S,SS) (P: CHEM 2750, 2753; C: CHEM 2760)
CHEM 2770. Biological Chemistry (3) (F,S) (FC:SC) (P: CHEM 2650 or 2760)
CHEM 2771. Biological Chemistry Laboratory (1) (F,S) (FC:SC) (C: CHEM 2770)
ITEC 2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S,SS) (P: MATH 1065 or 1066 or 1085 or 2119)
MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (FC: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) (FC:HU)
PHIL 2261. Introduction to Philosophy of Science (3) (FC:HU)
PSYC 2210. Research Methods in Psychology (4) (WI) (F,S) (FC:SO) (P: MATH 1065 or MATH 1066; PSYC 2101)
PSYC 3225. Psychology of Learning (3) (F,S,SS) (FC:SO)
PSYC 3226. Cognitive Psychology (3) (F,S,SS) (FC:SO)
PSYC 3290. Comparative and Evolutionary Psychology (3) (FC:SO)
PSYC 3311. Neuropsychology (3) (F,S) (FC:SO)
PSYC 4340. 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

E. Thomson Shields, Director, 2112 Bate Building

The minor in North Carolina studies is an interdisciplinary program that requires **24 s.h.** credit.The minor 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 foundations curriculum 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.
ENGL 4230. North Carolina Literature (3) (WI) (S-OY) (FC:HU) (P: ENGL 1200)
GEOG 3055. North Carolina (3) (F) (FC:SO)
HIST 3100. North Carolina History (3) (F,S) (FC: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) (F)
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) (S) (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) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3111. North American Archaeology (3) (OY) (FC:SO) (P: ANTH 1000 or 2000 or consent of instructor)
ANTH 5065. Maritime Anthropology (3) (P: ANTH 2200 or consent of instructor)
ANTH 5120. Archaeology of the Southeastern US (3) (P: ANTH 2000 or consent of instructor)
BIOL 3400, 3401. Biological Field Studies of the Coastal Plain (3,0) (P: 2 Courses in BIOL or GEOL or consent of instructor)
ENGL 3570. American Folklore (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 5230. Southern Regional Literature (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) (F,S) (FC:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 5140. The Old South (3)
HIST 5141. The South Since 1877 (3) (WI*)
POLS 3244. North Carolina Politics (3) (F)
POLS 4321. Contemporary Southern Politics (3) (S)

RELIGIOUS STUDIES

Derek Maher, Co-Director, 235 Austin Building
Calvin Mercer, Co-Director, C-300 Brewster Building

Multidisciplinary Studies Major

A multidisciplinary studies major with a focus in religious studies is available. Interested students should contact the co-directors of religious studies.

Minor

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. The religious studies minor requires **24 s.h.** credit. The major advisor 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 foundations curriculum 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) (WI*) (F) (P: Consent of instructor or RELI program director)
   RELI 5000. Religious Studies Seminar (3) (WI*) (P: Consent of instructor or RELI program director)
2. **Electives .....18 s.h.**
   Choose a minimum of 15 s.h. from core religion electives and the remaining electives from either list of electives.

   Core Religion Electives: (Minimum of 15 s.h.)

   ANTH 3009/RELI 3000/WOST 3000. Motherhood of God in Asian Traditions (3) (EY) (FC:SO)
   ANTH 3113/RELI 3113. Archaeology of the Old Testament World (3) (OY) (P: ANTH 1000 or 2000 or PHIL 1695 or consent of instructor)
   ANTH 3114/RELI 3114. Archaeology of the New Testament World (3) (OY) (P: ANTH 1000 or 2000 or PHIL 1696 or consent of instructor)
   ANTH 4054. Anthropology of Religion (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
   CLAS 2000. Introduction to Classics (Humanities) (3) (WI*) (FC:HU)
   ENGL 3630. The Bible as Literature (3) (S) (FC:HU) (P: ENGL 1200)
   ENGL 3640. Literature and Religion (3) (F-OY) (FC:HU)
   HIST 3412. A History of Christianity to 1300 (3) (FC:SO)
   HIST 3627. History of Japanese Buddhism (3)
   HIST 5360. The Reformation, 1450-1598 (3)
   PHIL 1290. Introduction to Philosophy of Religion (3) (F,S) (FC:HU)
   PHIL 1690. World Religions (3) (F,S) (FC:HU)
   PHIL 1695. Introduction to the Old Testament (3) (F) (FC:HU)
   PHIL 1696. Introduction to the New Testament (3) (S) (FC:HU)
   PHIL 2691. Classical Islam (3) (FC:HU)
   PHIL 2692. Buddhism (3) (FC:HU)
   PHIL 3290. Philosophy of Religion (3) (S) (FC:HU) (P: 3 s.h. in PHIL or consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

PHIL 3690. Women and Religion (3) (FC:HU) (WI*)
PHIL 3691. Islam in the Modern World (3) (WI) (FC:HU) (P: PHIL 1690 or PHIL 2691 or consent of instructor)
PHIL 3692. Tibetan Religion and Culture (3) (WI) (FC:HU) (P: PHIL 1690 or PHIL 2692 or consent of instructor)
PHIL 3698. Mysticism (3) (WI) (FC:HU) (P: Consent of instructor or any course from the Core Religion Electives list of the Religious Studies Program)
PHIL 4699. Topics in Religion (3) (WI) (FC:HU)
PSYC 3314. Psychology of Religion (3) (S) (P: PSYC 1000 or 1060)
RELI 2000. Introduction to Religious Studies (3) (FC:HU)
RELI 2500. Study Abroad (6) (SS) (FC:HU) (P: Consent of instructor)
RELI/CLAS 3600. Greek and Roman Religions (3) (FC:HU)
RELI 3930. Directed Readings in Religious Studies (3) (FC:HU) (Consent of director)
SOCI 4341. Sociology of Religion (3) (S) (FC:SO) (P: SOCI 2110)

General Religion Electives:

ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO)
ANTH 3002. Cultures of East Asia (3) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3003. Cultures of Africa (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3004. Cultures of the South Pacific (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 1907. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 2905. Masterpieces in the Visual Arts and Literature (3) (FC:FA) (P: Non-art major)
ART 2906. West and Central African Art (3) (S) (FC:FA) (P: Non-art major)
ART 2910. Ancient Art History (3) (F,S) (P: ART 1905 or 1910)
ART 2920. Art of the Middle Ages (3) (P: ART 1906, 1907)
ART 3920. Asian Art (3)
ART 3930. Italian Renaissance Art: 1300-1500 (3) (P: ART 1906, 1907)
ART 3935. Italian Baroque Art: 1600-1700 (3)
ART 3940. Italian Renaissance Art: 1500-1600 (3) (WI*) (F,S) (P: ART 1906, 1907)
ART 3950. Architectural History of the Middle East Before 1600 (3) (FC:FA) (P: Junior standing; ART 1905 or 1910; 1906, 1907; or consent of instructor)
ART 3960. Art and Power in Mesoamerica (3) (WI) (F,S) (P: ART 1906, 1907)
ART 3970. African Art (3) (WI) (F,S) (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; of consent of instructor)
CLAS 2400. Women in Classical Antiquity (3) (FC:HU)
CLAS 3400. The Ancient City: Rome (3) (F,S) (FC:HU)
CLAS 3460. Classical Mythology (3) (FC:HU)
ENGL 3450. Northern European Mythology (3) (FC:HU) (P: ENGL 1200)
ENGL 3460. Classical Mythology (3) (F) (FC:HU) (P: ENGL 1200)
ENGL 3620. Oriental Literature (3)
ENGL 4010. Medieval Literature (3) (WI) (S-OY) (FC:HU) (P: ENGL 1200)
ENGL 4030. Milton (3) (WI) (S-EY) (FC:HU) (P: ENGL 1200)
ENGL 4100. Seventeenth Century Literature (3) (WI) (F-EY) (FC:HU) (P: ENGL 1200)
FORL 2600. Literature in Translation: The Holocaust (3) (S) (FC:HU)
GRK 1001. Ancient Greek Level I (3)
GRK 1002. Ancient Greek Level II (3) (P: GRK 1001 of 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*) (FC:SO)
HIST 3415. The Middle Ages (3) (FC:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 3420. Early Modern Europe to 1648 (3) (FC:SO)
HIST 3480. Britain to 1688 (3) (FC:SO)
HIST 3610. History of the Far East to 1600 (3) (FC:SO)
HIST 3670. History of the Middle East (3) (WI) (FC: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 2453. Existentialism and Phenomenology (3) (F,S) (FC:HU)
PHIL 3321. Medieval and Renaissance Philosophy (3) (F,S) (FC:HU)
PHIL 4250. Metaphysics (3) (FC:HU) (P: 6 s.h. in PHIL or consent of instructor)

RUSSIAN STUDIES

Elena Konstantinovna Murenina, Director, 200 B Ragsdale Hall

The Russian studies minor is an interdisciplinary program offered through the Thomas Harriot College of Arts and Sciences. The minor requires a minimum of **24 s.h.** and is designed to provide students with a comprehensive knowledge of Russia from both historical and contemporary perspectives. Students pursuing the interdisciplinary Russian studies minor are strongly encouraged to study Russian language, as well as to take advantage of study abroad opportunities.

The interdisciplinary program includes an introductory course and senior level seminar in Russian studies. In addition, the Russian studies program offers lectures and seminars on literature, culture, film, history, political science, and economics. Other appropriate courses in humanities, social science, and fine arts with Russian studies content may be counted towards the minor in consultation with the program director. It is recommended that BA students take Russian language to satisfy their foreign language requirements. No more than 6 s.h. of course work in the student's major field of study will be accepted for credit toward the minor. The student's minor program must be approved by the Russian studies minor director.

A concentration in Russian studies is available through the BA/BS in multidisciplinary studies. Interested students should contact the director of Russian studies.

1. Core.....6 s.h.

One of the following introductory courses (3 s.h.) is required:

RUSI 2001. Introduction to Russian Studies: Humanities (3) (FC:HU) or RUSI 2002. Introduction to Russian Studies: Social Science (3) (FC:SO) or RUSI 2003. Introduction to Russian Studies: Fine Arts (3) (FC:FA)

The following capstone course (3 s.h.) is required:

RUSI 4000. Senior Seminar in Russian Studies (3) (P: Consent of instructor or RUSI program director)

2. Electives .....18 s.h.

Choose 9 s.h. from each of the two areas below in consultation with the Director. Note that one of the three HIST 3551, 3552, 3553 courses (3 s.h.) is required for fulfillment of the social science elective course sequence.

Humanities:

RUSS 2120. Introduction to Russian Culture (3) (FC:HU)
RUSS 2700. Special Topics in Russian Studies (3)
RUSS 3220. Nineteenth Century Russian Literature in Translation (3) (FC:HU) (P: RUSS 2120 or permission of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

RUSS 3221. Twentieth Century Russian Literature in Translation (3) (FC:HU) (P: RUSS 2120 or permission of instructor)
RUSS 3230. Russian and Soviet Film (3) (FC:HU) (P: RUSS 2120 or permission of instructor)
RUSS 3700. Special Topics in Russian Studies (3) (P: RUSS 2120 or 3220 or 3221 or permission of instructor)

Social Science:

ECON 3365. Russian Economic Transition (3) (FC:SO) (P: ECON 2113, 2133)
HIST 3551. Medieval Russia, 862-1682 (3)
HIST 3552. Imperial Russia, 1682-1917 (3)
HIST 3553. Soviet Russia, 1917-1991 (3)
POLS 3235. East European Political Systems (3) (FC:SO)
POLS 3236. Russian Politics (3) (FC:SO)

A maximum of two of the following courses (6 s.h.) can be counted towards the minor electives; however, the Director must approve the course substitution.

RUSI 3011, 3012. Field Study in Russia (3,6) (P: RUSS 1004 or consent of the director)
RUSI 3500. Selected Topics in Russian Studies (3) (P: Consent of instructor)
RUSI 3931,3932,3933. Directed Readings in Russian Studies (1,2,3) (P: Consent of instructor)

Other appropriate courses in humanities, social science, and fine arts may be substituted in consultation with RUSI program Director.

SECURITY STUDIES

Jalil Roshandel, Director, A-124 Brewster Building

The security studies minor is designed to provide an interdisciplinary overview of security-related issues, policies, and infrastructure that has developed in response to security challenges. The program is designed to accommodate students from a broad spectrum of degree programs within the university who have a desire to apply their majors to the growing security community, whether it be at local, state, and federal governments, or in the private or non-profit sectors.

The minor program, coordinated through the Thomas Harriot College of Arts and Science, requires **24 s.h.** credit.

1. Core.....15 s.h.

SECS 1000. Introduction to Security Studies (3) (F) (FC:SO)
SECS 4000. Senior Seminar in Security Studies (3) (S) (P: SECS 1000 and consent of the instructor)
Choose three of the following:
POLS 3155. National Security Policy (3) (F,S)
POLS 4382. Politics of Terrorism (3) (F,S)
EHST 2110. Introduction to Environmental Health Science (3) (F,S)
PLAN 4015. Emergency Planning Management (3) (F,SS)

2. Electives .....9 s.h.

Choose 3 of the following. POLS majors may not choose POLS electives. Courses used for the core may not be used for electives. Other appropriate courses may be considered for inclusion as electives change or review by the director.

EHST 2110. Introduction to Environmental Health Science (3) (F,S)
GEOG 3003. Political Geography (3) (WI) (S) (FC:SO)
GEOG 3410. Fundamentals of GIS (3) (F,S)
HIST 3260. U.S. and the Middle East, 1783 to the Present (3)
ICTN 2900, 2901. Fundamental Network Security (3,0) (P: ICTN 2154)
ITEC 3800. Cost and Capital Project Analysis (3) (S) (P: MATH 1065; MATH 2283 or ITEC 3200)
JUST 1000. Criminal Justice Systems (3) (F,S,SS)
PLAN 1900. Planning for the Human Environment (3) (F,S,SS)
PLAN 3051. Introduction to GIS in Planning (3) (F,S) (P:GEOG 3410 or consent of Instructor)
PLAN 4015. Emergency Planning Management (3) (F,SS)
POLS 3144. American Foreign Policy (3) (S) (RP: POLS 2020)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 3155. National Security Policy (3) (F,S)
POLS 3290. Conflict and Peace in the Post Cold War Age (3) (S)
POLS 3293. International Organizations (3)
POLS 4380. Topics in International Politics (3) (P: POLS 2020 or Consent of Instructor)
POLS 4382. Politics of Terrorism (3) (S)
POLS 4383. War in the Modern Age (3)
SOCI 3235. Population Trends and Problems (3)(FC:SO)(P: SOCI 2110)

WOMEN'S STUDIES

Cheryl Dudasik-Wiggs, Director, B-103 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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all 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,S,SS) (FC:HU) or WOST 2200. Introduction to Women's Studies: Art (3) (FC:FA) or WOST 2400. Introduction to Women's Studies: Social Sciences (3) (FC:SO)
WOST 3910, 3920, 3930. Directed Readings in Women's Studies (1,1,1) (F,S,SS) (P: WOST 2000 or 2200 or 2400 or consent of director) or WOST 4500. Internship in Women's Studies (3) (F,S,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)

4. **Area of study (Choose one from each area.) ..... 12 s.h.**

Cultural Diversity:

ANTH 2025. Sexual Behavior from an Anthropological Perspective (3) (F) (FC:SO) (P: Introductory course in ANTH, SOCI, PSYC or consent of instructor)
ENGL 3260. Black Literature in America (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 4360. World Literature in English (3) (WI) (S-EY) (FC:HU) (P: ENGL 1200)
ENGL 6460. Studies in African American Literature (3) Formerly ENGL 5360
FORL 2600. Literature in Translation: The Holocaust (3) (S) (FC:HU)
HIST 3110. History of African-Americans (3) (FC:SO)
HIST 5230. Themes in African-American History (3)
SOCI 4345. Racial and Cultural Minorities (3) (F) (FC:SO) (P: ANTH 1000 or SOCI 2110)

Humanities:

ENGL 3300. Women and Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 5330. Study in Women's Literature (3) (WI) (P: ENGL 1200)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

PHIL 3690. Women and Religion (3) (FC:HU) (WI*)
RELI 3000. Motherhood of God in Asian Traditions (3) (FC:HU)

Social Science:

ANTH 3200. Women's Roles in Cross-Cultural Perspective (3) (EY) (FC: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) (FC: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) (FC: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) (FC: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) (FC:SO) (RELI 3000 FC:HU)
ANTH 3200. Women's Roles in Cross-Cultural Perspective (3) (FC: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) (FC:HU)
COMM 4035. Gender and Communication (3) (F) (P: COMM 2001 or WOST 2000 or 2400)
ENGL 3300. Women and Literature (3) (WI) (FC:HU) (P: ENGL 1200)
ENGL 5330. Studies in Women's Literature (3) (WI) (P: ENGL 1200)
FORL 3660. Hispanic Women Writers (3) (FC:HU)
GEOG 4320. Gender, Economy, and Development (3) (S) (P: Consent of instructor)
HIST 3140. Women in American History (3) (F,S) (FC: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) (FC:HU) (WI*)
POLS 3040. Women in Politics (3) (S) (P: POLS 1010 or consent of instructor)
POLS 3041. Women and Public Policy (3) (FC:SC) (P: POLS 1010 or consent of instructor)
PSYC 4335. Psychology of Women (3) (S) (FC: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) (FC: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 Women's Studies: Social Sciences (3) (WI*) (FC:SO) (P: WOST 2000 or 2200 or 2400 or consent of instructor)
WOST 3510. Selected Topics in Women's Studies: Humanities (3) (WI*) (FC:HU) (P: WOST 2000 or 2200 or 2400 or consent of program director)
WOST 3520. Selected Topics in Women's Studies: Fine Arts (3) (WI*) (FC:FA) (P: WOST 2000 or 2200 or 2400 or consent of program director)
WOST 3910, 3920, 3930. Directed Readings in Women's Studies (1,1,1) (F,S,SS) (P: WOST 2000 or 2200 or 2400 or consent of director)
WOST 4500. Internship in Women's Studies (3) (F,S,SS) (P: Senior standing; WOST 4000; minimum 2.5 GPA or consent of director)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

WOST 5000. Advanced Seminar in Women's Studies (3) (P: Consent of instructor)
Selected topics and honors seminars as approved by the Women's 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 women's studies as part of a double major, the director may give consent that a maximum of 6 s.h. of the women's studies major be waived or double counted.

Women's Studies Minor

The minor in women's 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 program and thus assure the possibility of coordinating with the major, the women's 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 women's studies minor. **24 s.h.**

1. **Core.....6 s.h.**
   WOST 2000. Introduction to Women's Studies: Humanities (3) (F,S,SS) (FC:HU) or WOST 2200. Introduction to Women's Studies: Arts (3) (FC:FA) or WOST 2400. Introduction to Women's Studies: Social Sciences (3) (FC:SO)
   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)
2. **Electives .....18 s.h.**
   ANTH 3009/RELI 3000/WOST 3000. Motherhood of God in Asian Traditions (3) (EY) (FC:SO) (RELI 3000 FC:HU)
   ANTH 3200. Women's Roles in Cross-Cultural Perspective (3) (EY) (FC: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) (FC: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) (FC:HU) (P: ENGL 1200)
   ENGL 5330. Studies in Women's Literature (3) (WI) (P: ENGL 1200)
   FORL 3660. Hispanic Women Writers (3) (FC:HU)
   GEOG 4320. Gender, Economy, and Development (3) (S) (P: Consent of instructor)
   HIST 3140. Women in American History (3) (F,S) (FC:HU)
   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) (FC:HU) (WI*)
   POLS 3040. Women in Politics (3) (S) (P: POLS 1010 or consent of instructor)
   POLS 3041. Women and Public Policy (3) (FC:SC) (P: POLS 1010 or consent of instructor)
   PSYC 4335. Psychology of Women (3) (S) (FC:SO)
   PSYC 4350. Psychology of Sexual Behavior (3) (F,S) (P: 6 s.h. in PSYC)
   SOCI 3400. Introduction to Gender and Society (3) (FC: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 Women's Studies: Social Sciences (3) (WI*) (FC:SO) (P: WOST 2000 or 2200 or 2400 or consent of instructor)
   WOST 3510. Selected Topics in Women's Studies: Humanities (3) (WI*) (FC:HU) (P: WOST 2000 or 2200 or 2400 or consent of program director)
   WOST 3520. Selected Topics in Women's Studies: Fine Arts (3) (WI*) (FC:FA) (P: WOST 2000 or 2200 or 2400 or consent of program director)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

WOST 3910, 3920, 3930. Directed Readings in Women's 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 Women's Studies (3) (F,S,SS) (P: Senior standing; WOST 4000; minimum 2.5 GPA or consent of director)
WOST 5000. Advanced Seminar in Women's Studies (3) (P: Consent of instructor)
Selected topics and honors seminars as approved by the Women's Studies Executive Committee
May choose only one elective from:
ANTH 2025. Sexual Behavior from an Anthropological Perspective (3) (F) (FC:SO) (P: Introductory course in ANTH, SOCI, PSYC or consent of instructor)
ENGL 3260. African American Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 4360. World Literature in English (3) (WI) (S-EY) (FC:HU) (P: ENGL 1200)
ENGL 6460. Studies in African American Literature (3) Formerly ENGL 5360
FORL 2600. Literature in Translation: The Holocaust (3) (S) (FC:HU)
HIST 3110. History of African Americans (3) (FC:SO)
HIST 5230. Themes in African American History (3)
SOCI 4345. Racial and Cultural Minorities (3) (F) (FC:SO) (P: ANTH 1000 or SOCI 2110)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 ANTHROPOLOGY

Linda Wolfe, Chairperson, 231 Flanagan Building

BA in Anthropology

Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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) (FC:SO)
ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO) or ANTH 2200. Introduction to Cultural Anthropology (3) (F,S)
ANTH 2015. Introduction to Biological Anthropology (3) (WI*) (F,S) (FC:SC) (RP: BIOL course)
ANTH 2016. Biological Anthropology Laboratory (1) (F,S) (FC:SC) (C: ANTH 2015)
ANTH 3050. Enthnographic Field Methods (3) (S) (P: ANTH 2010 or 2200 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) (FC:SO) (P: ANTH 2015, 2016 or consent of instructor)
ANTH 4025. Theory in Anthropology (3) (WI) (F) (P: ANTH 2010 or 2200, 2000 and 2015/16 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) (FC:SO)
ANTH 3011. Hunter-Gatherer Lifeways (3) (S) (P: ANTH 1000 or 2000 or 2005 or 2010 or 2200 or consent of instructor)
ANTH 3012. Lifeways of Pastoral Nomads (3) (S) (P: ANTH 1000 or 2000 or 2005 or 2010 or 2200 or consent of instructor)
ANTH 3111. North American Archaeology (3) (OY) (FC:SO) (P: ANTH 1000 or 2000 or consent of instructor)
ANTH 3113. Archaeology of the Old Testament World (3) (OY) (P: ANTH 1000 or 2000 or PHIL 1695 or consent of instructor)
ANTH 3114. Archaeology of the New Testament World (3) (OY) (P: ANTH 1000 or 2000 or PHIL 1696 or consent of instructor)
ANTH 3115. Caribbean Archaeology (3) (F) (P: ANTH 1000 or 2000 or consent of instructor)
ANTH 3116. Latin American Archaeology (3) (OY) (P: ANTH 1000 or 2000; or consent of instructor)
ANTH 3117. Prehistory of the Middle East (3) (S) (P: ANTH 1000 or 2000; or consent of instructor)
ANTH 3175. Archaeological Field Training (6) (SS) (P: ANTH 3077 or equivalent)
ANTH 4201. Special Topics in Archaeology (3) (P: ANTH 2000; or consent of instructor)
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) (FC:SC) (RP: A BIOL course)
ANTH 2016. Biological Anthropology Laboratory (1) (F,S) (FC:SC) (C: ANTH 2015)
ANTH 3020. Primate Behavior and Social Organization (3) (FC:SO) (P: ANTH 2015, 2016; or consent of instructor)
ANTH 3026. Forensic Anthropology (3) (S) (P: ANTH 2016; or consent of instructor)
ANTH 3027. Human Health and Disease Ecology (3) (FC:SO) (P: ANTH 2015, 2016; or consent of instructor)
ANTH 3028. Human Adaptation and Variation (3) (S) (P: ANTH 2015; or consent of instructor)
ANTH 4203. Special Topics in Biological Anthropology (3) (P: ANTH 2015; or consent of instructor)
ANTH 4225. Human Evolution (3) (FC:SO) (P: ANTH 2015, 2016; or consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Cultural Anthropology:

ANTH 2005. Environmental Anthropology (3) (S) (FC:SO)
ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO)
ANTH 2200. Introduction to Cultural Anthropology (3) (F,S) (FC:SO)
ANTH 3002. Cultures of East Asia (3) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3003. Cultures of Africa (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3004. Cultures of the South Pacific (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3005. North American Indians (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3009. Motherhood of God in Asian Traditions (3) (EY) (FC:SO)
ANTH 3016. Cultures of the Caribbean (3) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3018. Cultures of South and Central America (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3150. Applying Anthropology to Contemporary Cultural Issues (3) (S) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3200. Women's Roles in Cross-Cultural Perspective (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3252. Medical Anthropology (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 4050. Psychological Anthropology (3) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 4054. Anthropology of Religion (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 4202. Special Topics in Cultural Anthropology (3) (P: ANTH 2200 or 2010; or consent of instructor)
ANTH 4253. Social Anthropology (3) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 4260. Cultural Ecology (3) (FC: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)

One of the following two courses may be taken to fulfill the course requirement for a course above 2999 in cultural anthropology:

ANTH 3720. Writing Systems of the World (3) (F) (Same as ENGL 3720) (P: ENGL 1200)
ANTH 3770. Language Universals (3) (Same as ENGL 3770)

5. **ANTH electives.....6 s.h.**

The following courses, including those listed above, may be taken as electives:

ANTH 2760. Afro-Caribbean Language and Culture (3) (S) (Same as ENGL 2760) (P: ENGL 1200)
ANTH 3720. Writing Systems of the World (3) (F) (Same as ENGL 3720) (P: ENGL 1200)
ANTH 3770. Language Universals (3) (Same as ENGL 3770)

(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) (FC:SO)
Minimum of one course from each of the anthropology subfields listed in the BA degree, 4., above.

2. **ANTH electives.....12 s.h.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Certificate in Forensic Anthropology

The course of study for the certificate in forensic anthropology provides a basic understanding of skeletal biology and human osteology, procedures for the search and recovery of human remains, methods of individual identification from the human skeleton, time since death estimation, and manner of death. The student is also provided with knowledge of forensic anthropology for those interested in careers in applied, non-academic anthropology.

A minimum cumulate 2.5 GPA is required for admission. The student must maintain a 2.5 average in the certificate courses to receive the forensic anthropology certificate. The certificate requires **16 s.h.** of credit as follows:

1. **Core.....13 s.h.**
   ANTH 3077. Archeological Methods (3) (F) (P: ANTH 2000 or consent of instructor)
   ANTH 3026. Forensic Anthropology (3) (S) (P: ANTH 2015, 2016 or consent of instructor)
   ANTH 4400, 4401. Osteology (4,0) (S,OY) (P: ANTH 2015, 2016 or consent of instructor)
   JUST 3007. Criminal Investigations (3) (F) (P: JUST 1000 and consent of the Department of Criminal Justice)
   Substitute core courses may be approved by the Department of Anthropology.
2. **Electives (Choose one from the following) .....3 s.h.**
   JUST 3501. Criminal Procedure (3) (WI) (F,S) (P: JUST 1000 and consent of the Department of Criminal Justice)
   SOCI 3220. Deviant Behavior (3) (F,S,SS) (P: SOCI 2110)
   PSYC 4375. Abnormal Psychology (3) (F,S,SS) (P: PSYC 1000 or 1060)
   BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051 or 1100, 1101)
   CHEM 2650. Organic Chemistry for the Life Sciences (4) (F)
   Other electives may be approved by the Department of Anthropology.

Anthropology Honors Program

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

Thomas McConnell, Interim Chairperson, BN-108 Howell Science Complex
Mary A. Farwell, Director of Undergraduate Studies, BN-108C Howell Science Complex

Admission Requirements

In order to declare a major in biology or biochemistry, a student must satisfy foundations curriculum requirements as stated in the catalog for transfer to departments in the Thomas Harriot College of Arts and Sciences and must have a minimum cumulative 2.0 GPA in all biology and chemistry courses below the 3000 level.

Core Curriculum

The core curriculum in biology is intended to give all biology majors a background in molecular biology, diversity, evolution, ecology, and genetics. BIOL 1100, 1101, 1200, 1201, 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. 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. All students must take a departmentally administered assessment examination before graduation. Scores from this examination will not be used in the calculation of GPA or for academic standing. Minimum degree requirement is **126 s.h.** of credit.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BS in Biology, General

1. Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.

CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC: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) (FC: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) (FC:MA) (P: Appropriate score on mathematics placement test)

2. Core.....15 s.h.

BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)

BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C for 1201: BIOL 1200)

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. A maximum of 6 s.h. of BIOL 3550, 4504, 4514, 4550, 5995 may count toward biology electives without consent of dept. chair or director of undergraduate studies.

Ecology/Environmental Biology:

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

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)

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

BIOL 3661. Introduction to Marine Biology Laboratory (1) (F,S) (C: BIOL 3660)

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 1 statistics course)

BIOL 4300, 4301. Ecosystem Ecology (4,0) (WI) (F) (P: BIOL 2250, 2251)

BIOL 4320. Ecological Responses to Global Climate Change (3) (S) (P: BIOL 2250, 2251)

BIOL 4504, 4514. Research Problems in Biology (2,2) (WI, WI) (F,S,SS) (P: Consent of instructor)

BIOL 5070, 5071. Ornithology (4,0) (F) (P: 8 s.h. in BIOL)

BIOL 5150, 5151. Herpetology (4,0) (S) (P: 8 s.h. in BIOL)

BIOL 5200, 5201. Invertebrate Zoology (4,0) (F) (P: 6 s.h. in BIOL)

BIOL 5220, 5221. Limnology (4,0) (S) (P: BIOL 2250, 2251; or consent of instructor)

BIOL 5230, 5231. Phycology (4,0) (P: BIOL 1200, 1201)

BIOL 5260, 5261. Microbial Ecology (4,0) (S) (P: BIOL 2250, 2251, 3220, 3221; or consent of instructor)

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

BIOL 5351. Biological Processes and the Chemistry of Natural Water (2) (S) (P: BIOL 2250, 2251; 2 CHEM courses; or consent of instructor)

BIOL 5550, 5551. Ichthyology (4,0) (F)

BIOL 5640, 5641. Entomology (4,0) (F) (P: 12 s.h. in BIOL)

BIOL 5730, 5731. Animal Physiological Ecology (4,0) (S) (P: BIOL 2250, 2251; 3310, 3311 or 3320, 3321 or 5800; or consent of instructor)

BIOL 5950, 5951. Taxonomy of Vascular Plants (4,0) (F) (P: 12 s.h. in biology or consent of instructor; RP: BIOL 2250, 2251)

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) (F,S) (C: BIOL 3660)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

BIOL 4504, 4514. Research Problems in Biology (2,2) (WI, WI) (F,S,SS) (P: Consent of instructor)
BIOL 5200, 5201. Invertebrate Zoology (4,0) (F) (P: 6 s.h. in BIOL)
BIOL 5220, 5221. Limnology (4,0) (S) (P: BIOL 2250, 2251; or consent of instructor)
BIOL 5230, 5231. Phycology (4,0) (P: BIOL 1200, 1201)
BIOL 5270. Marine Community Ecology (3) (S) (P: BIOL 2250, 2251; or consent of instructor)
BIOL 5351. Biological Processes and the Chemistry of Natural Water (2) (S) (P: BIOL 2250, 2251; 2 CHEM courses; or consent of instructor)
BIOL 5550, 5551. Ichthyology (4,0) (F)
BIOL 5600, 5601. Fisheries Techniques (3,0) (F,S) (F) (P: BIOL 2250, 2251; or equivalent)
BIOL 5680. Current Topics in Coastal Biology (2) (S) (P: Consent of instructor)
GEOL 1550. Oceanography (4) (S) (FC:SC)
GEOL 5300. Geology of Coastal Processes and Environments (3) (S) (P: GEOL 1550, 4010, 4011; or consent of instructor)

Microbiology:

BIOL 2100, 2101. Basic Laboratory Methods for Biotechnology (3,0) (F,SS) (Formerly BIOL 3100, 3101) (P: BIOL 1100, 1101; MATH 1065;1 semester of CHEM with lab)
BIOL 3220, 3221. Microbiology (4,0) (F) (P: BIOL 1200, 1201; 1 organic CHEM course)
BIOL 3310, 3311. Cellular Physiology (4,0) (F,S,SS) (P: 1 organic CHEM or biochemistry course)
BIOL 4170. Immunology I (3) (F) (P: BIOL 2300 or consent of instructor)
BIOL 4220. Microbes and Immunity (3) (S, SS) (P: BIOL 2110, 2111 or 3220, 3221)
BIOL 4504, 4514. Research Problems in Biology (2,2) (WI, WI) (F,S,SS) (P: Consent of instructor)
BIOL 5260, 5261. Microbial Ecology (4,0) (P: BIOL 2250, 2251, 3220, 3221; or consent of instructor)
BIOL 5800. Principles of Biochemistry I (3) (F,S) (P: CHEM 2760, 2763, BIOL 3310, 3311) or BIOL 5810. Principles of Biochemistry II (3) (F,S) (P: CHEM 2760, 2763, BIOL 3310, 3311)
BIOL 5821. Principles of Biochemistry Laboratory (1) (F,S) (P/C: BIOL 5800 or 5810)
BIOL 5870. Molecular Biology of the Gene (3) (F) (P: BIOL 2300)
BIOL 5890. Virology (3) (S,SS) (P: BIOL 3220, 3221; or consent of instructor)

Molecular Biology and Biotechnology:

BIOL 2100, 2101. Basic Laboratory Methods for Biotechnology (3,0) (F,SS) (Formerly BIOL 3100, 3101) (P: BIOL 1100, 1101; MATH 1065;1 semester of CHEM with lab)
BIOL 3220, 3221. Microbiology (4,0) (F) (P: BIOL 1200, 1201; 1 organic CHEM course)
BIOL 3310, 3311. Cellular Physiology (4,0) (F,S,SS) (P: 1 organic CHEM or biochemistry course)
BIOL 4170. Immunology I (3) (F) (P: BIOL 2300 or consent of instructor)
BIOL 4240. Genome Evolution (3) (P: BIOL 2300 or consent of instructor)
BIOL 4504, 4514. Research Problems in Biology (2,2) (WI, WI) (F,S,SS) (P: Consent of instructor)
BIOL 5260, 5261. Microbial Ecology (4,0) (S) (P: BIOL 2250, 2251, 3220, 3221; or consent of instructor)
BIOL 5510, 5511. Transmission Electron Microscopy (4) (S) (P: Senior standing as BIOL major or consent of instructor)
BIOL 5520, 5521. Scanning Electron Microscopy and X-Ray Analysis (2,0) (F,SS) (P: Senior standing as BIOL major or consent of instructor)
BIOL 5800, 5810. Principles of Biochemistry I, II (3,3) (F,S) (P: CHEM 2760, 2763, BIOL 3310, 3311)
BIOL 5821. Principles of Biochemistry Laboratory (1) (F,S) (P/C: BIOL 5800 or 5810)
BIOL 5870. Molecular Biology of the Gene (3) (F) (P: BIOL 2300)
BIOL 5890. Virology (3) (S,SS) (P: BIOL 3220, 3221; or consent of instructor)
BIOL 5900, 5901. Biotechniques and Laboratory (2,3) (S) (P: BIOL 2100, 2101, 5870; consent of instructor; RP: BIOL 5810)

Physiology, Anatomy, and Cell Biology:

BIOL 3220, 3221. Microbiology (4,0) (F) (P: BIOL 1200, 1201; 1 organic CHEM course)
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 4040. Human Genetics (3) (S) (P: BIOL 2300)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BIOL 4050, 4051. Comparative Anatomy (4,0) (F) (P: 6 s.h. in BIOL)
BIOL 4060, 4061. Embryology (4,0) (P: BIOL 2300)
BIOL 4170. Immunology I (3) (F) (P: BIOL 2300 or consent of instructor)
BIOL 4480, 4481. Cytology (2,2) (F) (P: BIOL 3310, 3311; P/C: BIOL 4480 for BIOL 4481)
BIOL 4504, 4514. Research Problems in Biology (2,2) (WI, WI) (F,S,SS) (P: Consent of instructor)
BIOL 5450, 5451. Histology (4,0) (F) (P: 4 BIOL courses)
BIOL 5630, 5631. Comparative Animal Physiology (4,0) (S) (P: 2 BIOL and 2 organic CHEM courses)
BIOL 5870. Molecular Biology of the Gene (3) (F) (P: BIOL 2300)

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) (FC: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) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC: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)
   MIS 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 or 2119 or 2121 or 2171)
c. Relevant cognate area–courses chosen to meet this requirement must be planned through consultation with a faculty advisor 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)
   MIS 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)

6. Electives to complete requirements for graduation.

Biology Requirements for Students Participating in MD in 7 Initiative

Students pursuing a BS in biology who are also participating in the MD in 7 Program must meet all the specified core requirements for their major and cognate courses of MATH 2121; CHEM 2750, 2753, 2760, 2763; PHYS 1250, 1251, 1260, 1261. Students who complete these courses will also have fulfilled the pre-health concentration. In addition to the core requirements students will also complete 16 s.h. of biology electives at the undergraduate level. If the student is accepted for admission to the Brody School of Medicine under the MD in 7 Program, Doctoring I will count as Internship BIOL 5995 to be repeated once for 2 hours credit. ANAT 7210 will count in lieu of BIOL 5450, 5451. Medical Genetics will count in lieu of BIOL 4040 with all other medical school courses during the first year counting as the remaining 20 s.h. of electives as required for graduation.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 Biochemistry

Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC: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) (FC: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) (FC:MA) (P: Appropriate score on mathematics placement test)
2. **Core.....40 s.h.**
   Biology:
   BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
   BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C for 1201: BIOL 1200)
   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; 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 3950, 3951. Physical Chemistry and Laboratory I (4,1) (WI, WI) (S) (P: PHYS 1261, 2360; MATH 2173; 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; C for 3850: CHEM 3851; C for 3851: CHEM 3850)
3. **Cognates.....25-27 s.h.**
   MATH 1083. Introduction to Functions (3) (F, S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C) or MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)
   MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083, 1085, or 2122; P for 2172: MATH 2171 with minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with minimum grade of C)
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2260)
   PHYS 2350, 2360. University Physics (4,4) (F,S,SS) (FC:SC) (P: MATH 1085; C: MATH 2121 or 2171)
4. **Electives (Choose from the following.).....6 s.h.**
   BIOL 2100, 2101. Basic Laboratory Methods for Biotechnology (3,0) (F,SS) (Formerly BIOL 3100, 3101) (P: BIOL 1100, 1101; MATH 1065;1 semester of CHEM with lab)
   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 Biology of the Gene (3) (F) (P: BIOL 2300)
   BIOL 5900, 5901. Biotechniques and Laboratory (2,3) (P: BIOL 2100, 2101, 5870; consent of instructor or chair; RP: BIOL 5810)
   CHEM 3960, 3961. Physical Chemistry and Laboratory II (4,1) (WI, WI) (F) (P: CHEM 3950, 3951) or all of the following: BIOL 3550. Biology Honors (1) (WI) (F,S,SS) (P: Faculty invitation), BIOL 4550. Biology Honors (2) (WI) (F, S, SS) (P: Faculty invitation) and BIOL 4514. Research Problems in Biology (2) (WI) (F, S, SS) (P: Consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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 and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
   BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C for 1201: BIOL 1200)
   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 in-depth 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

Rickey P. Hicks, Chair, 300 Science and Technology 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. The BA in chemistry, in conjunction with two semesters of laboratory-based biology courses, satisfies the course requirements for application to most US medical schools. 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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2360)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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. **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) (FC: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) (FC: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) (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 3450. Elementary Inorganic Chemistry (3) (S) (P: CHEM 2250, 2251; C: CHEM 3451)
   CHEM 3451. Elementary Inorganic Chemistry Laboratory (1) (WI) (F,S) (P: CHEM 2250, 2251; C: CHEM 3450 or 5550)
   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) (FC: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) (FC:MA) (P: MATH 1065 with a minimum grade of C) or MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C) and MATH 2171. Calculus I (4) (F,S,SS) (FC:MA) (P: Minimum grade of C in any of MATH 1083 or 1085 or 2122) and MATH 2172. Calculus II (4) (F,S,SS) (FC:MA) (P: MATH 2171 with a minimum grade of C or MATH 2122 with consent of instructor)
5. **Electives to complete requirements for graduation.**

Chemistry Requirements for Students Participating in MD in 7 Initiative

Students pursuing a BA in chemistry who are also participating in the MD in 7 Program must meet all the above-specified requirements for their major and the math cognate. In addition, the student will need to fulfill the pre-health concentration by taking BIOL 1100, 1101, 1200, 1201; PHYS 1250, 1251, 1260, 1261. If the student is accepted for admission to the Brody School of Medicine under the MD in 7 Program, the first year of medical studies will count toward fulfilling the remaining 28 s.h. of electives as required for graduation.

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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below..... 42 s.h.**
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2360)
   PHYS 2350, 2360. University Physics (4,4) (F,S,SS) (FC:SC) (C for 2350: MATH 2121 or 2171; P for 2360: PHYS 2350)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

2. Core.....45 s.h.

CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC: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) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)

CHEM 2103. Introduction to Chemical Literature (1) (WI) (F,S) (P: CHEM 2750)

CHEM 2250, 2251. Quantitative and Instrumental Analysis (3,2) (WI, WI) (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) (FC:SC) (P: CHEM 2650 or 2760)

CHEM 3451. Elementary Inorganic Chemistry Laboratory (1) (WI) (F,S) (P: CHEM 2250, 2251; C: CHEM 3450 or 5550)

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)

CHEM 4103. Seminar (1) (F,S) (P: Junior or senior standing; CHEM 2103)

CHEM 5350, 5351. Instrumental Analysis (3,1) (WI, WI) (P: CHEM 3960)

CHEM 5550. Advanced Inorganic Chemistry (4) (F) (P: CHEM 3950; C: CHEM 3451 [for BS chemistry majors only])

3. Elective labs (Choose a minimum of 2 s.h. from the following.) .....2 s.h.

BIOL 5821. Principles of Biochemistry Laboratory (1) (F,S) (P/C: BIOL 5800 or 5810)

CHEM 2111. Applications of Molecular Modeling (1) (F,S) (FC:SC) (P/C: CHEM 2750)

CHEM 2301. Teaching Laboratory Chemistry (2,0) (F,S) (P: Grade of B or higher in CHEM 1160 and CHEM 1161 or permission of instructor) May count only 1 s.h. toward the 2 s.h. lab requirement

CHEM 2771. Biological Chemistry Laboratory (1) (F,S) (FC:SC) (C: CHEM 2770)

CHEM 3301. Practicum in Teaching (1) (F,S) (P: CHEM 2301 and consent of instructor)

CHEM 4515, 4516, 4517. Research Problems in Chemistry (1,2,3) (F,S,SS) (P: Consent of instructor)

CHEM 5993. Industrial Internship in Chemistry (3) (P: Selection by joint chem dept/industry screening committee; CHEM 2250, 2760, 3950)

4. Cognates.....17 s.h.

MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)

MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083, 1085 or 2122; P for 2172: MATH 2171 with a minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with a minimum grade of C)

5. Electives to complete requirements for graduation.

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) (FC: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) (FC: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) (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 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 9.
(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)
CHEM 3450. Elementary Inorganic Chemistry (3) (S) (P: CHEM 2250, 2251; C: CHEM 3451) and CHEM 3451. Elementary Inorganic Chemistry Laboratory (1) (WI) (F,S) (P: CHEM 2250, 2251; C: CHEM 3450 or 5550) 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

Richard E. Ericson, 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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
2. **Foreign language through level 1004 .....12 s.h.**
3. **Core.....33 s.h.**
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   ECON 3144. Intermediate Microeconomics (3) (F,S) (FC:SO) (P: ECON 2113)
   ECON 3244. Intermediate Macroeconomics (3) (F,S) (FC: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.**
   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)
   MIS 2223. Introduction to Computers (3) (F,S,SS)
5. **Minor, chosen with approval of advisor, and general electives to complete requirements for graduation.**

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
2. **Common Core.....21 s.h.**
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   ECON 3144. Intermediate Microeconomics (3) (F,S) (FC:SO) (P: ECON 2113)
   ECON 3244. Intermediate Macroeconomics (3) (F,S) (FC: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)
   MIS 2223. Introduction to Computers (3) (F,S,SS)
3. **Concentration area (Choose one.).....39-42 s.h.**
   Applied Economics:
   ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066 or 2119 or 2121 or 2171)
   ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 3343. Econometrics (3) (WI) (F,S) (FC:SO) (P: MIS 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) (FC:MA) (P: MATH 1065 with a minimum grade of C)
   An additional 18 s.h. of ECON above 2999, including at least 6 s.h. above 3999
   Quantitative:
   MATH 1083. Introduction to Functions (3) (F,S,SS) (FC:MA) (P: Consent of dept. chair)
   MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083, 1085 or 2122; P for 2172: MATH 2171 with a minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with a minimum grade of C)
   MATH 3256. Linear Algebra (3) (F,S,SS) (P: MATH 2172)
   MATH 3307. Mathematical Statistics I (3) (F,S,SS) (P: MATH 2172) or ECON 3343. Econometrics (3) (WI) (F,S) (FC:SO) (P: MIS 2223 or CSCI 2600; ECON 2133; MATH 2283)
   An additional 21 s.h. of ECON above 2999, including at least 6 s.h. above 3999
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) (FC:SO)
   ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   ECON 3144. Intermediate Microeconomics (3) (F,S) (FC:SO) (P: ECON 2113)
   ECON 3244. Intermediate Macroeconomics (3) (F,S) (FC:SO) (P: ECON 2133)
2. **General electives above 2999.....12 s.h.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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

Michael, A. Palmer, Interim Chairperson, 2201 Bate Building

BA in English

Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.) ..... 42 s.h.**
2. **Foreign language through level 1004 ..... 12 s.h.**
3. **Core (exclusive of freshman composition) ..... 12 s.h.**

Shakespeare

Choose 3 s.h. from:

ENGL 4070. Shakespeare: The Histories (3) (F-EY) (FC:HU) (P: ENGL 1200)
ENGL 4080. Shakespeare: The Comedies (3) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 4090. Shakespeare: The Tragedies (3) (F,S,SS) (FC:HU) (P: ENGL 1200)

Historical Survey I: Literature to 1700

Choose 3 s.h. from:

ENGL 3000. History of British Literature to 1700 (3) (WI) (F,S) (FC:HU) (P: ENGL major, minor, or consent of dept; ENGL 1200)
ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (FC:HU) (P: ENGL 1200)

Historical Survey II: Literature after 1700

Choose 3 s.h. from:

ENGL 3010. History of British Literature, 1700 - 1900 (3) (WI) (F,S) (FC:HU) (P: ENGL major, minor, or consent of dept; ENGL 1200)
ENGL 3020. History of American Literature to 1900 (3) (WI) (F,S) (FC:HU) (P: ENGL major, minor, or consent of dept; ENGL 1200)
ENGL 4360. World Literature in English (3) (WI) (S-EY) (FC:HU) (P: ENGL 1200)

Language Study–Creative Writing, Linguistics, Rhetoric and Composition, or Technical and Professional Communication

Choose 3 s.h. from:

ENGL 2700. Introduction to Language Studies (3) (F,S) (FC:HU) (P: ENGL 1200)
ENGL 2710. English Grammar (3) (F,S,SS) (P: ENGL 1200)
ENGL 2730. Functional Grammar (3) (WI*) (F,S,SS) (P: ENGL 1200)
ENGL 2740. Language in the USA (3) (F) (FC:HU) (P: ENGL 1200)
ENGL 2760. Afro-Caribbean Language and Culture. (3) (S) (P: ENGL 1200)
ENGL 2830. Writing and Style (3) (WI) (S) (P: ENGL 1200)
ENGL 3030. Introduction to Rhetorical Studies (3) (WI) (S) (P: ENGL 1200)
ENGL 3040. Introduction to Professional Writing (3) (WI) (F) (P: ENGL 1200)
ENGL 3700. History of the English Language (3) (P: ENGL 1200)
ENGL 3720. Writing Systems of the World (3) (F) (P: ENGL 1200)
ENGL 3730. The Structure of English: Phonology and Morphology (3) (F) Formerly ENGL 5501 (P: ENGL 1200)
ENGL 3740. The Structure of English: Syntax and Semantics (3) (S) Formerly ENGL 5502 (P: ENGL 1200)
ENGL 3750. Introductory Linguistics (3) (S) (FC:HU) (P: ENGL 1200)
ENGL 3770. Language Universals (3) (WI) (P: ENGL 1200)
ENGL 3815. Introduction to Creative Writing (3) (F,S) (P: ENGL 1200)
ENGL 3830. Introduction to Play Writing (3) (F) (P: ENGL 1200)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

ENGL 3835. Persuasive Writing (3) (WI) (F) (P: ENGL 1200)
ENGL 3840. Introduction to Poetry Writing (3) (F,S,SS) (P : ENGL 1200)
ENGL 3850. Introduction to Fiction Writing (3) (F,S,SS) (P: ENGL 1200)
ENGL 3860. Introduction to Nonfiction Writing (3) (F,S) (P: ENGL 1200)
ENGL 3870. Introduction to Editing and Abstracting (3) (F,S) (P: ENGL 1200)
ENGL 4730. Language and Society (3) (S) (P: ENGL 1200)
ENGL 6505. Linguistic and Cultural History of the English Language (3) Formerly EMGL 5500 May not count toward foundations curriculum humanities requirement.

4. **Electives .....24 s.h.**
   Choose an additional 24 s.h. of ENGL electives 2000 or above.
5. **Senior writing portfolio.**
6. **Minor and general electives to complete requirements for graduation.**

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.
Students interested in minoring in English should consult with the director of undergraduate studies in the department to plan their minor programs.

Certificate in Business and Technical Communication

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.**
   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 3030. Introduction to Rhetorical Studies (3) (WI) (S) (P: ENGL 1200)
   ENGL 3040. Introduction to Professional Writing (3) (WI) (F) (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 3835. Persuasive Writing (3) (WI) (F) (P: ENGL 1200)
   ENGL 3860. Introduction to Nonfiction Writing (3) (F,S) (P: ENGL 1200)
   ENGL 3870. Introduction to Editing and Abstracting (3) (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 5860. Advanced Nonfiction Writing (3) (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 advisor 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.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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

Frank Romer, 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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   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 2108. Culture and Communication (3) (P: FREN 1004)
   - FREN 2440. Readings in the Culture of France I (3) (FC:HU) (P: FREN 1004)
   - FREN 2441. Readings in the Culture of France II (3) (FC:HU) (P: FREN 1004)
   - FREN 2442. Readings in the Francophone Cultures of the Americas (3) (FC:HU) (P: FREN 1004)
   - FREN 2443. Readings in the Francophone Cultures of Africa (3) (FC:HU) (P: FREN 1004)

   Choose 9 s.h. from:
   - FREN 3555. France of the Middle Ages and Renaissance (3) (WI) (FC:HU) (P: FREN 3500 or consent of dept chair)
   - FREN 3556. France from Classicism to the French Revolution (3) (FC:HU) (P: FREN 3500 or consent of dept chair)
   - FREN 3557. France from the Napoleonic Period to World War II (3) (WI) (FC:HU) (P: FREN 3500 or consent of dept chair)
   - FREN 3558. The Francophone World: Colonization to Independence (3) (FC:HU) (P: FREN 3500 or consent of dept chair)
   - FREN 3560. The Contemporary French and Francophone World (3) (FC: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.**

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BS in French

Minimum degree requirement is **126 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.)*

1. Foundations curriculum plus special requirements for licensure (See Section 4, Foundations Curriculum Requirements for all 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 2108. Culture and Communication (3) (P: FREN 1004)

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)

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 studies (Teacher Education Core Courses.....24 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)

FREN 2611. Early Experiences for the Prospective Teacher (1)

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)

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) (P: Admission to upper division; RP: SPED 2000)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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. **Specialty area studies ..... 11 s.h.**
   ELEM 3275. Early Childhood and Elementary School Curriculum (3) (F,S,SS)
   FREN 4611. Teaching Second Languages in Grades K-12 (5) (P: Admission to upper division)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (P: PSYC 1000 or 1060)
5. **Electives to complete requirements for graduation.**
6. **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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
   HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:SO) and HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1552. Honors, World History to 1500 (3) (F) (FC:SO) and HIST 1553. Honors, History of Europe Since 1500 (3) (S) (FC:SO)
   HIST 3450. History of Modern Germany (3) (FC:SO)
2. **Core ..... 36 s.h.**
   GERM 2210. Intermediate German Composition and Conversation I (3) (P: GERM 1004 or consent of dept chair)
   GERM 2211. Intermediate German Composition and Conversation II (3) (P: GERM 1004 or consent of dept chair)
   GERM 2300. Introduction to German Literature (3) (FC:HU) (P: GERM 1004 or consent of dept chair)
   GERM 2420. Culture of the German-Speaking World (3) (FC:HU) (P: GERM 1004 or consent of dept chair)
   GERM 3210. Conversation (3) (P: GERM 2210, 2211, 2300, 2420; or consent of dept chair)
   GERM 3330. Composition and Advanced Grammar (3) (WI) (P: GERM 2210, 2211, 2300, 2420; or consent of dept chair)
   Choose 6 s.h. of German literature above 2999
   Choose 12 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

See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.)*

1. **Foundations curriculum plus special requirements for licensure (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:HU) and HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:HU) or HIST 1552. Honors, World History to 1500 (3) (F) (FC:HU) and HIST 1553. Honors, History of Europe Since 1500 (3) (S) (FC:HU)
   HIST 3450. History of Modern Germany (3) (FC:HU)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   Choose a literature course

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

2. Core.....36 s.h.

GERM 2210. Intermediate German Composition and Conversation I (3) (P: GERM 1004 or consent of dept chair)
GERM 2211. Intermediate German Composition and Conversation II (3) (P: GERM 1004 or consent of dept chair)
GERM 2300. Introduction to German Literature (3) (FC:HU) (P: GERM 1004 or consent of dept chair)
GERM 2420. Culture of the German-Speaking World (3) (FC:HU) (P: GERM 1004 or consent of dept chair)
GERM 3210. Conversation (3) (P: GERM 2210, 2211, 2300, 2420; or consent of dept chair)
GERM 3330. Composition and Advanced Grammar (3) (WI) (P: GERM 2210, 2211, 2300, 2420; or consent of dept chair)
Choose 6 s.h. of German literature above 2999
Choose 12 s.h. of GERM electives above 2999

3. Professional studies (Teacher Education Core Courses) .....24 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)
GERM 2611. Early Experiences for the Prospective Teacher (1)
GERM 4880. Internship in German (10) (P: Admission to upper division; GERM 2210, 2211, 2300, 2420, 3210, 3330, 6 s.h.; GERM literature above 2999; 12 s.h. GERM electives above 2999)
GERM 4881. Internship Seminar: Issues in German Teaching (1) (P: Admission to upper division; C: GERM 4880)
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) (P: Admission to upper division; RP: SPED 2000)

4. Specialty area studies .....11 s.h.

ELEM 3275. Early Childhood and Elementary School Curriculum (3) (F,S,SS)
GERM 4611. Teaching Second Languages in Grades K-12 (5) (P: Admission to upper division)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

5. Electives to complete requirements for graduation.

6. 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. Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.

FORL 2665. Don Quixote (3) (WI) (FC:HU) or FORL 2666. Latino Texts (3) (FC:HU)
HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1552. Honors, World History to 1500 (3) (F) (FC:SO)
HIST 2222. Western Europe Since 1500 (3) (FC:SO)

2. Core.....36 s.h.

SPAN 2222. Intermediate Spanish Conversation (3) (P: Minimum grade of B in 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) (P: Minimum grade of B in 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) (FC: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)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 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) (FC:HU) (P: SPAN 2440, 2550; or consent of dept chair)

SPAN 4556. Renaissance and Baroque Spain (1500-1681) (3) (FC:HU) (P: SPAN 2440, 2550; or consent of dept chair)

SPAN 4557. Spain from Neoclassicism to Realism (1681-1898) (3) (FC:HU) (P: SPAN 2440, 2550; or consent of instructor)

SPAN 4558. Contemporary Spain (1898-Present) (3) (FC:HU) (P: SPAN 2440, 2550; or consent of instructor)

Choose a minimum of 3 s.h. from:

SPAN 4560. Major Latin-American Authors (3) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair)

SPAN 4561. Latin-American Texts of the Pre-Columbian and Colonial Periods (3) (FC: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) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)

SPAN 4563. Latin-American Texts: The Boom and Beyond (3) (FC: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 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.)*

1. **Foundations curriculum plus special requirements for licensure (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**

COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)

FORL 2665. Don Quixote (3) (FC:HU) or FORL 2666. Latino Texts (3) (FC:HU)

HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:HU) or HIST 1552. Honors, World History to 1500 (3) (F) (FC:HU)

HIST 2222. Western Europe Since 1500 (3) (FC:SO)

MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)

2. **Core.....36 s.h.**

SPAN 2110. Cultural Readings in Spanish (3) (P: SPAN 1004 or consent of dept chair)

SPAN 2222. Intermediate Spanish Conversation (3) (P: Minimum grade of B in 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) (P: Minimum grade of B in 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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

SPAN 2550. Approaches to the Study of Hispanic Literature (3) (FC: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)
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) (FC:HU) (P: SPAN 2440, 2550; or consent of dept chair)
SPAN 4556. Renaissance and Baroque Spain (1500-1681) (3) (FC:HU) (P: SPAN 2440, 2550; or consent of dept chair)
SPAN 4557. Spain from Neoclassicism to Realism (1681-1898) (3) (FC:HU) (P: SPAN 2440, 2550; or consent of instructor)
SPAN 4558. Contemporary Spain (1898-Present) (3) (FC:HU) (P: SPAN 2440, 2550; or consent of instructor)
Choose a minimum of 3 s.h. from:
SPAN 4560. Major Latin-American Authors (3) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair)
SPAN 4561. Latin-American Texts of the Pre-Columbian and Colonial Periods (3) (FC: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) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)
SPAN 4563. Latin-American Texts: The Boom and Beyond (3) (FC:HU) (P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560)

3. Professional studies (Teacher Education Core Courses.....24 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)
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)
SPAN 2611. Early Experiences for the Prospective Teacher (1)
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)
SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (P: Admission to upper division; RP: SPED 2000)

4. Specialty Area Studies.....11 s.h.

ELEM 3275. Early Childhood and Elementary School Curriculum (3) (F,S,SS)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: Admission to upper division; PSYC 1000 or 1060)
SPAN 4611. Teaching Second Languages in Grades K-12 (5) (P: Admission to upper division; 18 s.h. in SPAN above 1004 or consent of dept chair)

5. Electives to complete requirements for graduation.

6. In the second semester of the junior year, an Hispanic studies major must pass an oral qualifying examination.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

French Minor

Students interested in minoring in French should consult with the departmental French advisor 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 2108. Culture and Communication (3) (P: FREN 1004)
FREN 2440. Readings in the Culture of France I (3) (FC:HU) (P: FREN 1004)
FREN 2441. Readings in the Culture of France II (3) (FC:HU) (P: FREN 1004)
FREN 2442. Readings in the Francophone Cultures of the Americas (3) (FC:HU) (P: FREN 1004)
FREN 2443. Readings in the Francophone Cultures of Africa (3) (FC:HU) (P: FREN 1004)

2. FREN electives above 2999.....9 s.h.

German Minor

Students interested in minoring in German should consult with the departmental German advisor to plan their minor program. The German minor requires **24 s.h.** of credit as follows:

1. Core.....18 s.h.
GERM 2210. Intermediate German Composition and Conversation I (3) (P: GERM 1004 or consent of dept chair)
GERM 2211. Intermediate German Composition and Conversation II (3) (P: GERM 1004 or consent of dept chair)
GERM 2300. Introduction to German Literature (3) (FC:HU) (P: GERM 1004 or consent of dept chair)
GERM 2420. Culture of the German-Speaking World (3) (FC:HU) (P: GERM 1004 or consent of dept chair)
GERM 3210. Conversation (3) (P: GERM 2210, 2211, 2300, 2420; or consent of dept chair)
GERM 3330. Composition and Advanced Grammar (3) (WI) (P: GERM 2210, 2211, 2300, 2420; or consent of dept chair)

2. GERM electives above 2999.....6 s.h

Hispanic Studies Minor

Students interested in minoring in Hispanic studies should consult with the departmental Hispanic advisor 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) (P: Minimum grade of B in 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) (P: Minimum grade of B in 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) (FC:HU) (P: SPAN 2222 or 2330 or consent of dept chair)

2. SPAN electives above 2999 .....9 s.h

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.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Departmental Certificate in Spanish

The certificate in Spanish offers students who may not be able to complete a major or minor in Hispanic studies the opportunity to reach an intermediate level of linguistic competence in Spanish, and to become familiar with Hispanic cultures. The award of the certificate indicates a practical competence sufficient for use in the workplace. The certificate requires **15 s.h.** credit as follows:

SPAN 1001. Spanish Level I (3) (P: Appropriate score on Spanish placement test)
SPAN 1002. Spanish Level II (3) (P: SPAN 1001 or equivalent or appropriate score on Spanish placement test)
SPAN 1003. Spanish Level III (3) (P: SPAN 1002 or equivalent or appropriate score on Spanish placement test)
SPAN 1004. Spanish Level IV (3) (P: SPAN 1003 or appropriate score on Spanish placement test)
SPAN 2117. Spanish for Professions (3) (P: SPAN 1004 or consent of dept chair) or another 2000-level SPAN course

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)

Foreign Language Placement Tests

Students who have previously studied French, German, Italian, Japanese, Latin, Russian, and Spanish should take the respective placement test in order to ensure that they continue their study at the appropriate level. Please note that a placement test is required for enrollment in all lower-level Spanish courses including level 1001. (See Section 2, Admission and Readmission, Placement Testing.) While it may be possible to satisfy the foreign language requirement by completing 12 s.h. of Italian or 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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 3460. GIS Applications Programming (3) (F) (P: GEOG 3410; CSCI 1610 or MIS 2223 or ASIP 2212 or consent of instructor)
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 4440. Coastal Applications of GIS (3) (F,S) (P: GEOG 2250, 3410; 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 the other area.).....21 s.h.

Human:

GEOG 2003. Geography of the Global Economy (3) (F,S) (FC:SO)
GEOG 2019. Geography of Recreation (3) (F) (FC:SO)
GEOG 2100. World Geography: Developed Regions (3) (F, S, SS) (FC:SO)
GEOG 2110. World Geography: Less Developed Regions (3) (F, S, SS) (FC:SO)
GEOG 3001. Historical Geography of the United States (3)
GEOG 3003. Political Geography (3) (WI) (S) (FC:SO)
GEOG 3004. Urban Geography (3) (F)
GEOG 3049. Latin America (3) (WI) (FC:SO)
GEOG 3050. Africa (3) (WI) (S) (FC:SO)
GEOG 3051. Asia (3) (S) (FC:SO)
GEOG 3055. North Carolina (3) (F) (FC:SO)
GEOG 3056. Middle America (3) (FC:SO)
GEOG 4140. Research Methods in Human Geography (3) (S)
GEOG 4310. Geography of Transportation and Trade (3) (S) (P: GEOG 2003)
GEOG 4315. Geographic Images (3) (F) (FC:SO)
GEOG 4320. Gender, Economy, and Development (3) (S)
GEOG 4325. Resources, Population, and Development (3) (WI) (FC:SO) (P: GEOG 2003 or consent of instructor)
GEOG 4330. Agricultural Geography (3) (F) (FC:SO)
GEOG 4335. Geography of Tourism (3) (S) (FC:SO)
GEOG 4340. Introduction to Medical Geography (3) (S) (P: GEOG 3410 or Consent of Instructor) *
GEOG 4345. Human Migration and Global Restructuring (3) (F) (FC: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 2200)
GEOG 3250. Environmental Hazards (3) (F) (P: GEOG 2200 or 2250)
GEOG 3510. Physical Meteorology (3) (F) (P: GEOG 2200 or consent of instructor)
GEOG 3520. Dynamic Meteorology (3) (S) (P: GEOG 2200 or consent of instructor)
GEOG 3550. Principles of Synoptic Meteorology (3) (F) (P: GEOG 2200 or consent of instructor)
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. Earth Surface Processes (3) (WI) (F) (P: GEOG 2200, 2250; or consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

GEOG 4291, 4292, 4293. Supervised Study in Physical Geography (1,2,3) (F,S,SS) (P: Consent of instructor)
GEOG 4510. Meteorological Instruments and Observation (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4520. Boundary Layer Meteorology (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4525. Dynamic Meteorology II (3) (F) (P: GEOG 3520; or consent of instructor)
GEOG 4530. Micrometeorology (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4540. Coastal Storms (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4550. Applied Synoptic Meteorology: Analyses and Forecasting (3) (S) (P: GEOG 3550; or consent of instructor)
GEOG 4560. Urban Climatology (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4570. Hydrometeorology (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4580. Radar and Satellite Meteorology (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4590. Tropical Meteorology (3) (F) (P: GEOG 2200, 2250; or 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. Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.

COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
MATH 1065. College Algebra (3) (F,S,SS) (FC: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 3460. GIS Applications Programming (3) (F) (P: GEOG 3410; ASIP 2212 or CSCI 1610 or MIS 2223 or consent of instructor)
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 4440. Coastal Applications of GIS (3) (F,S) (P: GEOG 2250, 3410; 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. Geography of the Global Economy (3) (F,S) (FC:SO)
GEOG 2019. Geography of Recreation (3) (F) (FC:SO)
GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
GEOG 3001. Historical Geography of the United States (3) (F)
GEOG 3003. Political Geography (3) (WI) (S) (FC:SO)
GEOG 3004. Urban Geography (3) (S)
GEOG 3049. Latin America (3) (WI) (FC:SO)
GEOG 3050. Africa (3) (WI) (S) (FC:SO)
GEOG 3051. Asia (3) (S) (FC:SO)
GEOG 3055. North Carolina (3) (F) (FC:SO)
GEOG 3056. Middle America (3) (FC:SO)
GEOG 4050. Human Migration and Global Restructuring (3) (F) (FC:SO)
GEOG 4140. Research Methods in Human Geography (3) (S)
GEOG 4310. Geography of Transportation and Trade (3) (S) (P: GEOG 2003)
GEOG 4315. Geographic Images (3) (F) (FC:SO)
GEOG 4320. Gender, Economy, and Development (3) (S)
GEOG 4325. Resources, Population, and Development (3) (WI) (FC:SO) (P: GEOG 2003 or consent of instructor)
GEOG 4330. Agricultural Geography (3) (F) (FC:SO)
GEOG 4335. Geography of Tourism (3) (S) (FC:SO)
GEOG 4340. Introduction to Medical Geography (3) (S) (P: GEOG 3410 or Consent of Instructor)
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 (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 2200)
GEOG 3250. Environmental Hazards (3) (F) (P: GEOG 2200 or 2250)
GEOG 3510. Physical Meteorology (3) (F) (P: GEOG 2200 or consent of instructor)
GEOG 3520. Dynamic Meteorology (3) (S) (P: GEOG 2200 or consent of instructor)
GEOG 3550. Principles of Synoptic Meteorology (3) (F) (P: GEOG 2200 or consent of instructor)
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. Earth Surface Processes (3) (WI) (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 4510. Meteorological Instruments and Observation (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4520. Boundary Layer Meteorology (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4525. Dynamic Meteorology II (3) (F) (P: GEOG 3520; or consent of instructor)
GEOG 4530. Micrometeorology (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4540. Coastal Storms (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4550. Applied Synoptic Meteorology: Analyses and Forecasting (3) (S) (P: GEOG 3550; or consent of instructor)
GEOG 4560. Urban Climatology (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4570. Hydrometeorology (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4580. Radar and Satellite Meteorology (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
GEOG 4590. Tropical Meteorology (3) (F) (P: GEOG 2200, 2250; or 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,S,SS) (FC:SO)
GEOG 1250. The Water Planet (3) (F,S) (FC:SO)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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.

Certificate in Atmospheric Science

1. **Core**..... **12 s.h.**
   It is recommended that GEOG 3510 be taken prior to GEOG 3520 or GEOG 4550.
   GEOG 3510. Physical Meteorology (3) (F) (P: GEOG 2200 or consent of instructor)
   GEOG 3520. Dynamic Meteorology (3) (S) (P: GEOG 2200 or consent of instructor)
   GEOG 3550. Principles of Synoptic Meteorology (3) (F) (P: GEOG 2200 or consent of instructor)
   GEOG 4510. Meteorological Instruments and Observations (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
2. **Electives** ..... **3 s.h.**
   GEOG 3230. Global Climates (3) (S) (P: GEOG 2200)
   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 4520. Boundary Layer Meteorology (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
   GEOG 4525. Dynamic Meteorology II (3) (F) (P: GEOG 3520; or consent of instructor)
   GEOG 4530. Micrometeorology (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
   GEOG 4540. Coastal Storms (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
   GEOG 4550. Applied Synoptic Meteorology: Analyses and Forecasting (3) (S) (P: GEOG 3550; or consent of instructor)
   GEOG 4560. Urban Climatology (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
   GEOG 4570. Hydrometeorology (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
   GEOG 4580. Radar and Satellite Meteorology (3) (S) (P: GEOG 2200, 2250; or consent of instructor)
   GEOG 4590. Tropical Meteorology (3) (F) (P: GEOG 2200, 2250; or consent of instructor)
   EHST 3600. Air Pollution (3) (F) (P: EHST 2110 or consent of instructor)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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.....9 s.h.**
   GEOG 3410. Fundamentals of GIS (3) (F,S) or PLAN 3051. Introduction to GIS in Planning (3) (F,S) (P: GEOG 3410 or consent of instructor)
   GEOG 3420. Remote Sensing of the Environment I (3) (F) (P: GEOG 3410 or equivalent)
   GEOG 3430. Geographic Information Systems I (3) (S) (P: GEOG 3410 or equivalent)
2. **Electives (Choose from the following.).....6 s.h.**
   GEOG 3450. Introduction to the Global Positioning System (3) (S) (P: GEOG 3410 or equivalent)
   GEOG 3460. GIS Applications Programming (3) (F) (P: GEOG 3410; ASIP 2212 or CSCI 1610 or MIS 2223 or consent of instructor)
   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) (F) (P: GEOG 3430 or consent of instructor)
   GEOG 4440. Coastal Applications of GIS (3) (F,S) (P: GEOG 2250, 3410; or consent of instructor)

BS in Urban and Regional Planning

Students entering the Planning Program 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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
2. **Core .....27 s.h.**
   PLAN 1900. Planning for the Human Environment (3) (F, S, SS)
   PLAN 3015. Planning for Circulation (3) (S) or PLAN 5065. Land Use Planning (3) (F)
   PLAN 3020. Environmental Planning (3) (F)
   PLAN 3021. Introduction to Planning Techniques (3) (F)
   PLAN 3022. History and Theory of Planning (3) (WI) (F)
   PLAN 3030. Urban and Regional Planning (3)
   PLAN 3031. Quantitative Analysis in Planning (3) (S) (P: PLAN 3021 or consent of instructor)
   PLAN 3032. Planning Legislation and Administration (3) (WI) (S)
   PLAN 3038. Planning Internship (3) (F,S,SS) (P: Completion of a minimum of 9 s.h. of planning courses and consent of internship coordinator)
   PLAN 4003. Urban Form and Design (3) (F) or PLAN 4046. Planning and Design Studio (3) (S)
   PLAN 4096. Planning Studio (3) (F,S) (P: PLAN 3022; PLAN 3051; or consent of instructor)
   PLAN 4099. Practicum in Planning (3) (F,S) (WI)
3. **Skills courses.....12 s.h.**
   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 GEOG 2400. Spatial Data Analysis (3) (F,S)
   PLAN 3051. Introduction to GIS in Planning (3) (F) (P: GEOG 3410 or consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

4. Area of emphasis (In consultation with the planning advisor, choose one area from the following.).....9 s.h.

Coastal Planning and Development: Choose 9 s.h.

*PLAN 3018, 3028. Planning Internship (1,2) (F,S,SS) (P: Completion of a minimum of 9 s.h. of planning courses and consent of internship coordinator)
PLAN 3041. Computer Applications in Planning (3) (F)
PLAN 4015. Emergency Management Planning (3) (F,SS)
PLAN 4021. Advanced GIS Applications in Planning (3) (S) (P: PLAN 3051 or GEOG 3410 or consent of instructor)
PLAN 4041. GPS Applications in Planning (3) (S,SS) (P: PLAN 3051 or consent of instructor)
PLAN 5025. Coastal Area Planning and Management (3) (P: Consent of instructor)
PLAN 5045. Environmental Resources Planning and Management (3)
PLAN 5065. Land Use Planning (3) (F
*PLAN 5121. Problems in Planning (2,3) (P: Consent of instructor)
*PLAN 5131. Problems in Planning (2,3) (WI) (P: Consent of instructor)
PLAN 5985. Historic Preservation Planning (3)
**May count a maximum of 3 s.h. from PLAN 3018, 3028, and a maximum of 3 s,h, from 5121, 5131 toward the degree.*

Urban and Regional Planning: Choose 9 s.h.

PLAN 3015. Planning for Circulation (3) (S)
*PLAN 3018, 3028. Planning Internship (1,2,3) (F,S,SS) (P: Completion of a minimum of 9 s.h. of planning courses and consent of internship coordinator)
PLAN 3041. Computer Applications in Planning (3) (F)
PLAN 4003. Urban Form and Design (3) (F)
PLAN 4021. Advanced GIS Applications in Planning (3) (S) (P: PLAN 3051 or GEOG 3410 or consent of instructor)
PLAN 4025. Housing and Neighborhood Planning (3) (F)
PLAN 4041. GPS Applications in Planning (3) (S,SS) (P: PLAN 3051 or consent of instructor)
PLAN 4046. Planning and Design Studio (3) (F,S)
PLAN 5045. Environmental Resources Planning and Management (3)
PLAN 5065. Land Use Planning (3) (F)
*PLAN 5121. Problems in Planning (2,3) (P: Consent of instructor)
*PLAN 5131. Problems in Planning (2,3) (WI) (P: Consent of instructor)
PLAN 5985. Historic Preservation Planning (3)
**May count a maximum of 3 s.h. from PLAN 3018, 3028, and a maximum of 3 s.h. from 5121, 5131 toward the degree.*

5. Minor or concentration area (In consultation with the planning advisor, 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 2101. Survey of Financial and Managerial Accounting (3) (F,S) (P: MATH 1065 or 1066)
ECON 4214. Public Finance (3) (FC:SO) (P: ECON 2133, 3144)
FINA 3004. Survey of Financial Management (3) (F,S) (P: ACCT 2101 or 2401; ECON 2113; MATH 2283)
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) (F,S) (C: BIOL 3660)
GEOG 3002. Coastal Geography (3) (WI) (S) (P: GEOG 1200 or 3200 or consent of instructor)
GEOL 1550. Oceanography (4) (S) (FC:SC)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 5520. Maritime History of the Western World Since 1815 (3)
SOCI 3410. Introduction to Maritime Sociology (3) (FC:SO) (P: ANTH 1000 or SOCI 2110)

Community Health:

EHST 2110. Introduction to Environmental Health Science (3) (F,S)
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) (WI) (S) (P: PSYC 1000)
HPRO 4300. Survey of the Allied Health Professions (2)

Decision Science:

MIS 2223. Introduction to Computers (3) (F,S,SS)
MIS 3063. Introduction to Management Information Systems (3) (F,S,SS) (P: MIS 2223)
MIS 4103. Decision Support Systems (3) (F,S) (P: MIS 3063)
OMGT 3123. Operations and Supply Chain Management (3) (F,S,SS) (P: MATH 2228 or 2283; MIS 2223)
OMGT 3223. Business Decision Modeling (3) (F,S,SS) (P: Minimum grade of C in MIS 2223, MATH 1066 or 2119 or 2121 or 2171, 2283)

Economic Development:

ECON 3144. Intermediate Microeconomics (3) (F,S) (FC:SO) (P: ECON 2113)
ECON 3244. Intermediate Macroeconomics (3) (F,S) (FC:SO) (P: ECON 2133)
ECON 3353. Economics of Underdeveloped Countries (3) (FC:SO) (P: ECON 2133)
ECON 4020. Industrial Organization (3) (WI*) (S) (FC:SO) (P: ECON 3144)
ECON 4850. Resource Economics (3) (FC:SO) (P: ECON 2133, 3144)

Environmental Resources:

BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC)
ECON 4850. Resource Economics (3) (FC:SO) (P: ECON 2133, 3144)
GEOG 2300. Geography of Environmental Resources (3) (F)
GEOL 1700. Environmental Geology (4) (F,S) (FC:SC)
PHYS 1050. Physics and the Environment (4) (F,S,SS) (FC:SC)
POLS 3256. Environmental Politics (3) (F)

Historic Preservation and Design:

CMGT 2210, 2211. Construction and Civil Materials (3,0) (F,S) (P: Minimum overall GPA of 2.0; majors and minors only; P/C: MATH 1065 or 1066)
HIST 3205. History of American Urban Life (3)
HIST 5920. Techniques of Museum and Historic Site Development (3)
HIST 5985. Historic Preservation Planning (3)
IDSN 2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (WI) (S) (Formerly IDMR 2700)
IDSN 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (WI) (F) (Formerly IDMR 2750)
IDSN 4750. Interior Design for Adaptive Reuse (3) (WI) (S) (P: IDSN 3600, 3700) (Formerly IDMR 4750)

International Development:

ECON 3353. Economics of Underdeveloped Countries (3) (FC:SO) (P: ECON 2133)
ECON 4373. International Trade (3) (S) (FC:SO) (P: ECON 2133, 3144)
GEOG 2003. Geography of the Global Economy (3) (F,S) (FC:SO)
POLS 4360. Politics of Developing Areas (3) (FC:SO)

Land Use and Real Estate:

ANTH 4260. Cultural Ecology (3) (FC: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) (FC:SO) (P: SOCI 2110)

Personnel Management and Administration:

MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

MGMT 4342. Organizational Change and Development (3) (F) (P: MGMT 3202 or 3302)
MGMT 4402. Human Resource Management (3) (F,S) (P: MGMT 3202 or 3302)
POLS 3242. Municipal Policy and Administration (3) (RP: POLS 3241)
POLS 3252. Public Administration (3) (F) (FC:SO)
POLS 3254. Governmental Personnel Administration (3) (RP: POLS 3252 or consent of instructor)

Recreation:

GEOG 2019. Geography of Recreation (3) (F) (FC:SO)
RCLS 2000. Introduction to Leisure Services (3) (F,S)
RCLS 2601. Leisure in Society (3) (FC: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) (FC:SO)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
SOCI 2111. Modern Social Problems (3) (F,S,SS) (FC:SO) (P: SOCI 2110)
SOCI 3225. Urban Sociology (3) (FC:SO) (P: SOCI 2110)
SOCI 3289. Community Organization (3) (S) (FC:SO) (P: SOCI 2110)
SOCI 4345. Racial and Cultural Minorities (3) (F) (FC:SO) (P: ANTH 1000 or SOCI 2110)
SOCI 4347. Social Inequality (3) (S) (FC:SO) (P: SOCI 2110)

6. Electives to complete degree requirements for graduation.

NOTE: Excluding foundations curriculum requirements, no one course may be used to fulfill two or more degree requirements.

Planning Minor

The planning minor requires **24 s.h.** of credit as follows:

1. Core.....15 s.h.
PLAN 1900. Planning for the Human Environment (3) (F, S, SS)
PLAN 3020. Environmental Planning (3) (F)
PLAN 3021. Introduction to Planning Techniques (3) (F)
PLAN 3030 Urban and Regional Planning (3) (F)
PLAN 3032. Planning Legislation and Administration (3) (WI) (S)
2. Electives.....9 s.h.

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.

Certificate in Urban Design

This certificate provides students with specialized competencies in urban design and prepares them to engage effectively in professional practice in the public and the private sectors. The certificate is open to students pursuing an undergraduate degree at ECU. Students gain interdisciplinary knowledge regarding physical, environmental, and social planning issues that confront contemporary cities. The course of study for the certificate enhances the creative, visualization, and graphic abilities required for the design and planning professions. Students engage in real-world design projects that deal with adaptive reuse, streetscapes, urban regeneration, downtown revitalization, historic preservation, public squares, and smart community planning. To qualify for the award, students must maintain a minimum of 3.0 GPA in the certificate courses. The certificate requires a minimum of **15 s.h.** of credit as follows:

1. Core Courses:

PLAN 1900. Planning for the Human Environment (3) (F,S,SS)
PLAN 4003. Urban Form and Design (3) (S)
PLAN 4046. Planning and Design Studio (3) (F,S)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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. Elective Courses (two courses from the following):

ART 4950. Twentieth-Century Architecture (3) P: ART 1906, 1907
DESN 3030, 3031. Architectural Drafting (3,0) (F,S,SS) (P: DESN 2034 or IDSN 1281)
GEOG 3004. Urban Geography (3) (F)
IDSN 4750. Interior Design for Adaptive Reuse (3) (WI) (S) (P: IDSN 3600, 3700) (Formerly IDMR 4750)
PLAN 3020. Environmental Planning (3) (F)
PLAN 3051. Introduction to GIS in Planning (3) (F,S)
PLAN 5985. Historic Preservation Planning (3)

DEPARTMENT OF GEOLOGICAL SCIENCES

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. Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.).....42 s.h.

2. Core.....39 s.h.

GEOL 1500. Dynamic Earth (3) (F,S,SS) (FC:SC) and GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (FC:SC); or GEOL 1550. Oceanography (4) (F,S) (FC:SC); or GEOL 1700. Environmental Geology (4) (F,S) (FC:SC)
GEOL 1600. Earth and Life Through Time (4) (F,S) (FC:SC)
GEOL 3050, 3051. Mineralogy and Petrology I (4,0) (F) (P: A 1000-level GEOL course; RP: CHEM 1150, 1151; GEOL 1500, 1501)
GEOL 3150, 3151. Mineralogy and Petrology II (4,0) (S) (P: GEOL 3050, 3051; P/C: CHEM 1150, 1151)
GEOL 3200, 3201. Introduction to Field Methods (2,0) (S) (P: GEOL 1600)
GEOL 3300, 3301. Structural Geology (4,0) (F) (P: GEOL 3200, 3201)
GEOL 4000. Summer Field Course in Geology (6) (SS) (P: GEOL 3050, 3051, 3300, 3301)
GEOL 4010, 4011. Sedimentology (4,0) (WI) (F) (P: GEOL 1600, 3050, 3051)
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.).....7 s.h.

Coastal and Marine Geology (Choose 7 s.h. from the following.):

GEOL 1550. Oceanography (4) (F,S) (FC: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 7 s.h. from the following.):

GEOL 1700. Environmental Geology (4) (F,S) (FC: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 7 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) (FC: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) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

MATH 1065. College Algebra (3) (F,S,SS) (FC: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

Gerald J. Prokopowicz, Acting Chairperson, A-315 Brewster Building

Students may choose between the BA in history and the BS in public history. Students may also minor in either program.

BA in History

Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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) (FC:SO)
HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
HIST 4000. Senior Seminar (3)
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 4001-5999 level, excluding HIST 4531, 4532, 4533, 4550, 4551):

American History:

HIST 3010. Constitutional History of the United States to 1888 (3) (FC:SO)
HIST 3011. Constitutional History of the United States Since 1888 (3) (FC:SO)
HIST 3031. Economic History of the United States Since 1865 (3) (FC:SO)
HIST 3100. North Carolina History (3) (F,S) (FC:SO)
HIST 3110. History of African-Americans (3) (FC:SO)
HIST 3121. American Military History to 1900 (3) (FC:SO)
HIST 3122. American Military History Since 1900 (3) (FC:SO)
HIST 3140. Women in American History (3) (F,S) (FC:SO)
HIST 3170. History of Native Americans (3)
HIST 3200. Diplomatic History of the United States (3) (WI*) (FC:SO)
HIST 3205. History of American Urban Life (3) (FC:SO)
HIST 3210. Colonial American to 1763 (3) (WI*) (FC:SO)
HIST 3215. American Revolution and the Federal Era, 1763-1800 (3) (WI*) (FC:SO)
HIST 3225. The Era of Sectionalism and Civil War, 1848-1877 (3) (FC:SO)
HIST 3230. The Birth of Modern America, 1865-1892 (3) (WI*) (FC:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 3235. The Era of Populism and Progressivism in American History, 1892-1919 (3) (FC:SO)
HIST 3240. The Age of Franklin Roosevelt, 1919-1945 (3) (WI*) (FC:SO)
HIST 3245. The United States Since 1945 (3) (WI*) (F) (FC:SO)
HIST 3260. The United States and the Middle East (3)
HIST 3300. History of American Rural Life (3) (F) (FC:SO)
HIST 3920. Social History of American Medicine (3) (S) (FC: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) (FC:SO)
HIST 3406. War and Society in Ancient Greece and Rome (3) (F) (FC:SO)
HIST 3410. History of Ancient Rome (3) (F) (FC:SO)
HIST 3412. A History of Christianity to 1300 (3) (FC:SO)
HIST 3413. A History of Christianity, 1300 to Present (3) (FC:SO)
HIST 3414. The Celtic World, 700 BC - 1601 AD (3)
HIST 3415. The Middle Ages (3) (F) (FC:SO)
HIST 3420. Early Modern Europe to 1648 (3) (F) (FC:SO)
HIST 3430. History of Europe, 1815-1914 (3) (F) (FC:SO)
HIST 3435. History of Europe Since 1914 (3) (FC:SO)
HIST 3444. Old Regime and Revolutionary France (3) (FC:SO)
HIST 3445. Modern France, 1815 to Present (3) (FC:SO)
HIST 3460. Germany, 1790-1914 (3) (FC:SO)
HIST 3461. Germany Since 1914 (3) (FC:SO)
HIST 3480. Britain to 1688 (3) (FC:SO)
HIST 3482. Britain, 1688-1832 (3) (FC:SO)
HIST 3484. Britain from 1832 (3) (FC:SO)
HIST 3551. Medieval Russia, 862 - 1682 (3)
HIST 3552. Imperial Russia, 1682-1917 (3)
HIST 3553. Soviet Russia, 1917-1991 (3)
HIST 4400. Science and Religion in Europe and America, 1600-1900 (3)
HIST 4445. The European Enlightenments (3)
HIST 4470. The Great War: Experience, Memory and Legacy (3)
HIST 4500. Political Culture and Community in Eighteenth-Century Britain (3)
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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

World History:

HIST 3610. History of East Asia to 1600 (3) (FC:SO)
HIST 3611. History of East Asia Since 1600 (3) (FC:SO)
HIST 3615. History of Traditional Japan (3)
HIST 3620. History of Modern Japan (3) (F) (FC:SO)
HIST 3625. Field Study in Japanese Historical Culture (3) (FC:SO)
HIST 3626. Field Study in Japanese Historical Texts (3) (FC:SO)
HIST 3627. History of Japanese Buddhism (3)
HIST 3629. History of Traditional China (3)
HIST 3630. History of Modern China (3) (FC:SO)
HIST 3670. History of the Middle East (3) (WI*) (FC:SO)
HIST 3710. Introduction to Latin-American History: Colonial Period (3) (WI*) (FC:SO)
HIST 3711. Introduction to Latin-American History: Since 1808 (3) (WI*) (FC:SO)
HIST 3780. Mexico and Central America (3) (WI*) (FC:SO)
HIST 3810. History of Africa (3) (WI*) (FC:SO)
HIST 3820. History of South Africa (3) (WI) (FC:SO)
HIST 3830. Africa and Islam (3) (WI) (FC:SO)
HIST 4610. History of Southeast Asia (3) (FC: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*) (FC:SO)
HIST 3333. Biography and History (3) (FC:SO)
HIST 3350. War and Society (3)
HIST 4531, 4532, 4533. Directed Readings in History (1,2,3) (FC:SO) (P: Consent of dept chair)
HIST 4550, 4551. Honors (3,3) (F,S) (FC: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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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) (FC:SO)
HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
HIST 4000. Senior Seminar (3)
Choose a minimum of 21 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.)

4. **Professional courses ..... 24 s.h.**

Required public history courses ..... 12 s.h.
HIST 3900. Introduction to Public History (3)
HIST 3993. Approaches to Historical Objects (3)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 5910. Introduction to the Administration of Archives and Historical Manuscripts (3)
HIST 5920, 5921. Techniques of Museum and Historic Site Development (3,0)

Public history electives.....6-9 s.h.

Choose from the following:
HIST 5930, 5931. Field and Laboratory Studies in Museum and Historic Site Development (3,0)
HIST 5950. Introduction to Quantitative History (2) (P: 20 s.h. of undergraduate history)
HIST 5951. Directed Readings and Research in Quantitative History (1) (C: HIST 5950)
HIST 5960. Introduction to Oral History (3)
HIST 5970. Living History (3)
HIST 5985. Historic Preservation Planning (3)

Internship.....3-6 s.h.

Choose from the following:
HIST 4940, 4941, 4942. Internship in Archives and Historical Records Administration (3,6,9) (F,S,SS) (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) (F,S,SS) (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) (F,S,SS) (P: Senior standing; minimum cumulative 2.2 GPA; minimum 2.5 GPA in HIST; consent of instructor)

Maximum of 6 s.h. may count toward the requirement.

5. Cognates (Choose from the following.) ..... 6 s.h.

ACCT 2101. Survey of Financial and Managerial Accounting (3) (F,S) (P: MATH 1065 or 1066)
ANTH 2000. Archaeology Around the World (3) (F,S) (FC:SO)
ANTH 3077. Archaeological Methods (3) (S) (P: ANTH 2000 or consent of instructor)
ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 1907. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 2905. Masterpieces in the Visual Arts and Literature (3) (FC:FA)
ART 4948. Art of the United States (3) (P: ART 1906, 1907 or consent of instructor)
ENGL 3870. Introduction to Editing and Abstracting (3) (WI*) (F,S) (P: ENGL 1200)
IDSN 2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (WI) (S) (Formerly IDMR 2700)
IDSN 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (WI) (F) (Formerly IDMR 2750)
MGMT 3202. Fundamentals of Management (3) (F,S,SS)
MUSC 2227. Introduction to American Music from Colonial Times to the Present (3) (FC:FA)
PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)

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) (FC:SO)
HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)

2. HIST electives above 2999 ..... 15 s.h.

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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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.

ANTH 2000. Archaeology Around the World (3) (F,S) (FC:SO)
ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 1907. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 2905. Masterpieces in the Visual Arts and Literature (3) (FC:FA)
ART 4948. Art of the United States (3) (P: ART 1906, 1907 or consent of instructor)
ENGL 3870. Introduction to Editing and Abstracting (3) (F,S) (P: ENGL 1200)
IDSN 2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (WI) (S) (Formerly IDMR 2700)
IDSN 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (WI) (F) (Formerly IDMR 2750)

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.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 MATHEMATICS

Ronnie W. Smith, Acting Chairperson, 124 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 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 2310, 2311 with a grade less than C. The degree offers two concentration areas: mathematics and statistics. The mathematics concentration requires a minor and the statistics concentration requires specified cognates in lieu of a minor. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.) ..... 42 s.h.**
2. **Foreign language through level 1004 ..... 12 s.h.**
3. **Common core ..... 30 s.h.**
   MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083,1085, 2122; P for 2172: minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with a minimum grade of C)
   MATH 2300. Transition to Advanced Mathematics (3) (P: MATH 2171)
   MATH 3256. Linear Algebra (3) (F,S,SS) (P: MATH 2172)
   MATH 3263. Introduction to Modern Algebra (3) (WI) (F,S) (P: MATH 2300, 3256)
   MATH 3307. Mathematical Statistics I (3) (F,S) (P: MATH 2172)
   MATH 4101. Advanced Calculus I (3) (F,S) (P: MATH 2173, 2300; or consent of instructor)
   MATH 4331. Introduction to Ordinary Differential Equations (3) (F,S) (P: MATH 2173)
4. **Cognate ..... 4 s.h.**
   CSCI 2310,2311. Algorithmic Problem Solving and Programming Laboratory (4,0) (F,S,SS) (P: MATH 1065; C for 2310: CSCI 2311; C for 2311: CSCI 2310)
5. **Concentration area to include minor or specified cognates as listed below. (Choose one area.) ..... 31-40 s.h.**
   Mathematics (30-36 s.h.):
   Choose 6 s.h. of MATH electives numbered above 2999, excluding MATH 3229, 3237, 3239
   Minor (24-30 s.h.)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Statistics (27 s.h.):

Choose 9 s.h. of MATH electives numbered above 2999, excluding MATH 3229, 3237, 3239, and excluding cognates listed below.

Cognates (18 s.h.):

CSCI 5774. Programming for Research (3) (F,S) (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) (WI) (P: MATH 2228 or 3308; 3584; or equivalent)
MATH 5801. Probability Theory (3) (P: MATH 2173 or 3307)

Choose 6 s.h. from:

ECON 3343. Econometrics (3) (WI) (F,S) (FC: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)
OMGT 4493. Quality Management (3) (F) (P: OMGT 3123)

6. **Electives to complete requirements for graduation.**

BS in Mathematics

Credit toward a mathematics major will not be given in any MATH course or in CSCI 2510 with a grade less than C. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.) ..... 42 s.h.**
2. **Common mathematics core ..... 37 s.h.**

MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: MATH 1083, 1085, 2122 with minimum grade of C; P for 2172: MATH 2171 or 2122 with consent of instructor; P for 2173: MATH 2172)
MATH 2300. Transition to Advanced Mathematics (3) (P: MATH 2171)
MATH 3256. Linear Algebra (3) (F,S,SS) (P: MATH 2172)
MATH 3263. Introduction to Modern Algebra (3) (WI) (F,S) (P: MATH 2300, 3256)
MATH 3307. Mathematical Statistics I (3) (F,S) (P: MATH 2172)
MATH 3308. Mathematical Statistics II (3) (F) (P: MATH 3307)
MATH 4101. Advanced Calculus I (3) (P: MATH 2173, 2300, or consent of instructor)
MATH 4331. Introduction to Ordinary Differential Equations (3) (F,S) (P: MATH 2173)
CSCI 2310, 2311. Algorithmic Problem Solving and Programming Laboratory (4,0) (F,S,SS) (P: MATH 1065; C for 2310: CSCI 2311; C for 2311: CSCI 2310)

3. **Concentration area (Choose one area.) ..... 20-27 s.h.**

Mathematics (27-33 s.h.):

MATH 4110. Elementary Complex Variables (3) (S) (P: MATH 2173)
Minor (24-30 s.h.)

Science (27-28 s.h.)

CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P: chemistry placement test or passing grade in CHEM 1050; P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160, CHEM 1161; C for 1161: CHEM 1160; R/C: MATH 1083 or 1085)
MATH 4110. Elementary Complex Variables (3) (S) (P: MATH 2173)
PHYS 2350, 2360. University Physics (4,4) (F,S,SS) (FC:SC) (C: MATH 2121 or 2171; P for PHYS 2360: PHYS 2350)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 one of the following:

BIOL 1100, 1101. Principles of Biology I (4,0) (F,S,SS) (FC:SC) and BIOL 1200, 1201. Principles of Biology II (4,0) (F,S,SS) (FC:SC)

A combination of any 3 courses numbered above 1999 in Chemistry or numbered above 3999 in Physics.

Statistics (21 s.h.)

ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)

MATH 4031. Applied Statistical Analysis (3) (WI) (P: MATH 2228 or 2283 or 3308; MATH 3256 or MATH/CSCI 3584; or equivalent; or consent of instructor)

MATH 4201. Introduction to Stochastic Processes (3) (P: MATH 3307 or equivalent or consent of instructor) or MATH 5000. Introduction to Sampling Design (3) (F) (P: MATH 3308 or 3229 or consent of instructor)

MATH 4774. Programming for Research (3) (P: MATH 2228 or MATH 2283 or equivalent)

MATH 4801. Probability Theory (3) (P: MATH 2173 or 3307)

MATH 4999. Capstone and Statistical Consulting (3) (P: MATH 4031)

PHIL 2274. Business Ethics (3) (F,S,SS) (FC:HU)

Computer Science (16 s.h.)

CSCI 2300. Computer Science Survey (3) (F,S,SS)

CSCI 3300. Introduction to Algorithms and Data Structures (4) (F,S,SS) (P: CSCI 2310, 2427)

CSCI 3310. Advanced Data Structures and Data Abstraction (3) (F,S,SS) (P: CSCI 3300)

CSCI 3650. Analysis of Algorithms (3) (S,SS) (P: CSCI 3200 or 3300; CSCI 2427)

CSCI 3526. Switching Theory and Computer Organization (3) (F,SS) (P: CSCI 2310; CSCI 2427) or CSCI 3675. Organization of Programming Language (3) (F,SS) (P: CSCI 3200) or MATH 4110. Elementary Complex Variables (3) (S) (P: MATH 2173)

4. Specified electives

Mathematics (9 s.h.):

Choose 9 additional s.h. in consultation with advisor from MATH 3174, 3233, 3573, 4201, 4264, 4801, 5000, 5002, 5021, 5102, 5121, 5122, 5131, 5132, 5311, 5322, or 5551.

Science (3 s.h.)

Choose 3 additional s.h. in consultation with advisor from MATH 3174, 3233, 3573, 4201, 4264, 4801, 5000, 5002, 5021, 5102, 5121, 5122, 5131, 5132, 5311, 5322, or 5551.

Statistics (9 s.h.)

Choose 3 additional s.h. from MATH 4201, 5000, 5132; OMGT 4493; ECON 3343, 4430.

Choose 6 additional s.h. from MATH 3174, 3233, 3573, 4110, 4264, 5002, 5021, 5102, 5121, 5122, 5131, 5132, 5311, 5322 or 5551.

Computer Science (12 s.h.)

Choose 3 s.h. from MATH 3174, 3233, 3573, 4201, 4264, 4801, 5000, 5002, 5021, 5102, 5121, 5122, 5131, 5132, 5311, 5322 or 5551.

Choose 9 s.h. of CSCI electives numbered above 1999, excluding 2300, 2310/2311, 2510, 2610, 2611, 3300, 3310, 3510, 3584, 3601, 3650.

5. Electives to complete requirements for graduation.

Mathematics Minor

Minimum requirement for mathematics minor is **24 s.h.** of credit as follows:

1. Core.....21 s.h.

MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083, 1085, 2122; P for 2172: MATH 2171 with a minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with a minimum grade of C)

MATH 2300. Transition to Advanced Mathematics (3) (P: MATH 2171)

MATH 3256. Linear Algebra (3) (F,S,SS) (P: MATH 2172)

MATH 3263. Introduction to Modern Algebra (3) (WI) (F,S) (P: MATH 2300, 3256) or MATH 5101. Advanced Calculus I (3) (P: MATH 2173, 2300; or consent of instructor)

2. Electives acceptable for a major in mathematics .....3 s.h.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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. Calculus I (4) (F,S,SS) (FC:MA) (P: MATH 1083 or 1085 or 2122 with minimum grade of C)
   MATH 2172. Calculus II (4) (F,S,SS) (FC:MA) (P: MATH 2122 with a minimum grade of C or MATH 2171)
   MATH 3256. Linear Algebra (3) (F,S,SS) (P: MATH 2172)
   MATH 3307. Mathematical Statistics I (3) (F,S) (P: MATH 2172)
   MATH 3308. Mathematical Statistics II (3) (F) (P: MATH 3307)
   MATH 5031. Applied Statistical Analysis (3) (WI) (P: MATH 2228 or 3308; 3584; or equivalent)
2. **Electives (Choose from the following.).....3 s.h.**
   ECON 3343. Econometrics (3) (WI) (F,S) (FC:SO) (P: MIS 2223 or CSCI 2600; ECON 2133; MATH 2283)
   ECON 4430. Business Cycles and Forecasting (3) (FC: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)
   MATH 5801. Probability Theory (3) (P: MATH 2173 or 3307)
   OMGT 4493. Quality Management (3) (F) (P: OMGT 3123)

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 **120 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 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, medicine, public health, business, and the humanities depending on elective choices. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree programs), including those listed below ..... 42 s.h.**
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or equivalent
2. **Foreign language through level 1004 ..... 12 s.h.**
3. **Core ..... 19 s.h.**
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2360)
   PHYS 2350, 2360. University Physics (4,4) (FC:SC) (P for 2350: MATH 2121 or 2171; P for 2360: PHYS 2350)
   PHYS 3700, 3701. Advanced Laboratory (3,0) (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 ..... 15 s.h.**
   MATH 1083. Introduction to Functions (3) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)
   MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083, 1085, 2122; P for 2172: MATH 2171 with a minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with a minimum grade of C)
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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
   CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC: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) (FC: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) (FC:MA) (P: Appropriate score on mathematics placement test) or equivalent
2. **Core ..... 40 s.h.**
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2360)
   PHYS 2350, 2360. University Physics (4,4) (FC:SC) (P 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 4120. Thermodynamics (3) (S-OY) (P: PHYS 2360)
   PHYS 4226. Mechanics I (3) (F) (P: MATH 2173; PHYS 2360)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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.....18 s.h.**
MATH 1083. Introduction to Functions (3) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)
MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083, 1085, 2122; P for 2172: MATH 2171 with a minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with a minimum grade of C)
MATH 4331. Introduction to Ordinary Differential Equations (3) (F,S) (P: MATH 2173)
4. **Electives to complete requirements for graduation.**

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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC: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) (FC: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) (FC: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) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
PHYS 2350, 2360. University Physics (4,4) (FC:SC) (P 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.....18 s.h.**
MATH 1083. Introduction to Functions (3) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)
MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083, 1085, 2122; P for 2172: MATH 2171 with a minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with a minimum grade of C)
MATH 4331. Introduction to Ordinary Differential Equations (3) (F,S) (P: MATH 2173)
4. **Electives to complete requirements for graduation.**

Physics Requirements for Students Participating in MD in 7 Initiative

Students pursuing a BA or BSAP in physics who are also participating in the MD in 7 Program must meet all the above-specified requirements for their major and the math cognate. It should also be noted that students coming in under the MD in 7 Program in physics will need to have obtained prior credit for MATH 1065, 1085. In addition, the student will need to fulfill the prehealth concentration by taking BIOL 1100, 1101, 1200, 1201; CHEM 1150, 1151, 1160, 1161, 2750, 2751, 2760,

2763. If the student is accepted for admission to the Brody School of Medicine under the MD in 7 Program, the first year of medical studies will count toward fulfilling the remaining 28 s.h. of electives as required for graduation.

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) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
   PHYS 2350, 2360. University Physics (4,4) (FC:SC) (P 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.

DEPARTMENT OF POLITICAL SCIENCE

Brad E. Lockerbie, Chairperson, A-124 Brewster Building

BA in Political Science

Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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) (FC:SO)
   POLS 2010. Introduction to Comparative Government and Politics (3) (WI) (F,S) (FC:SO)
   POLS 2020. Introduction to International Relations (3) (F,S) (FC:SO)
   Choose one from the following:
   - POLS 2070. Introduction to Political Theory (3) (F,S) (FC:SO)
   - POLS 3031. Introduction to Behavioral Methodology (3) (F) (FC:SO)
   - POLS 3042. American Politics Through Music (3) (FC:SO)
   - POLS 3050. The Theory and Politics of Social and Protest Movements in the United States (3) (S) (FC:SO)
   - POLS 3370. American Political Thought (3) (S) (FC: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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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) (FC:SO)
POLS 3240. State and Local Government (3) (F,S) (FC:SO)
Choose 3 s.h. from:
POLS 3033. Voting Behavior and Public Opinion (3) (F) (FC:SO)
POLS 3035. American Political Parties and Politics (3) (F) (FC:SO)
POLS 3037. Campaigns and Elections (3) (S) (FC:SO)
POLS 3039. Black Politics in America (3) (F) (FC:SO)
POLS 3040. Women in Politics (3) (P: POLS 1010 or consent of instructor)
POLS 3202. The American Legislature (3) (S) (FC:SO)
POLS 3203. The American Executive (3) (F) (FC:SO)
POLS 3204. The American Judiciary (3) (F) (FC:SO)
POLS 3223. Constitutional Powers (3) (S) (FC:SO)
POLS 3224. Civil Liberties (3) (S) (FC:SO)
POLS 3241. Urban Political Systems (3) (S)
POLS 3243. Comparative State Politics (3) (SS)
POLS 3244. North Carolina Politics (3) (F) (FC:SO)
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) (FC:SO)
POLS 2020. Introduction to International Relations (3) (F,S) (FC:SO)
Choose 3 s.h. from:
POLS 3144. American Foreign Policy (3) (S) (RP: POLS 2020)
POLS 3155. National Security Policy (3) (S) (FC:SO)
POLS 3232. The European Union (3) (S) (FC:SO)
POLS 3234. West European Political Systems (3) (F) (FC:SO)
POLS 3235. East European Political Systems (3) (F) (FC:SO)
POLS 3236. Russian Politics (3) (S) (FC:SO)
POLS 3260. Middle Eastern Political Systems (3) (FC:SO)
POLS 3265. African Political Systems (3) (S) (FC:SO)
POLS 3270. Latin American Political Systems (3) (FC:SO) (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 3297. International Political Economy (3) (FC:SO)
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) (FC:SO)
POLS 4380. Topics in International Politics (3) (F) (P: POLS 2020 or consent of instructor)
POLS 4382. Politics of Terrorism (3) (S) (FC:SO)
POLS 4383. War in the Modern Age (3) (F)
POLS 4384. Inter-American Relations (3) (SOY) (FC:SO)

Political Theory, Methods, and Skills (9 s.h.):

POLS 2000. Computer Applications for Political Science (3) (F,S)
POLS 3031. Introduction to Behavioral Methodology (3) (F) (FC:SO)
Choose 3 s.h. from:

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 2070. Introduction to Political Theory (3) (F,S) (FC:SO)
POLS 3042. American Politics Through Music (3) (FC:SO)
POLS 3050. The Theory and Politics of Social and Protest Movements in the United States (3) (S) (FC:SO)
POLS 3370. American Political Thought (3) (S) (FC: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) (FC:SO)
POLS 3255. Domestic Public Policy (3) (S)
Choose 3 s.h. from:
POLS 3041. Women and Public Policy (3) (S) (FC:SO) (P: POLS 1010 or consent of instructor)
POLS 3242. Municipal Policy and Administration (3) (F)
POLS 3253. Government Fiscal Administration (3) (S) (RP: POLS 1010)
POLS 3254. Governmental Personnel Administration (3) (S) (RP: POLS 3252 or consent of instructor)
POLS 3256. Environmental Politics (3) (F)
POLS 3257. International Environmental Policy (3) (S)
POLS 4310. Public Policy and the Media (3) (S) (FC:SO)

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) (FC:SO)
POLS 3012. Politics Through Film (3) (S) (FC:SO)
POLS 3013. Decision Making in the United Nations (3) (F) (FC: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) (WI, WI) (F,S,SS) (P: Consent of dept chair)
POLS 4521, 4522. Directed Readings in Political Science (1,2) (F,S,SS) (P: Consent of dept chair)
POLS 4981, 4982. Internship in Practical Politics (1,2) (F,S,SS)
POLS 4991, 4992. Internship in Public Administration (1,2) (F,S,SS)
(only 3 hours of internships will count toward degree; see dept. chair for possible waiver to 6 hours)
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; management information systems; 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 **24 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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

POLS 2000. Computer Applications for Political Science (3) (F,S) (FC:SO)
POLS 3252. Public Administration (FC:SO)

2. Electives (Choose from the following.) ..... 15 s.h.

GEOG 3410. Fundamentals of GIS (3)
GEOG 3430. Geographic Information Systems I (3) (F,S) (P: GEOG 3410 or equivalent)
PLAN 3032. Planning Legislation and Administration (3) (WI) (S)
PLAN 3051. Introduction to GIS in Planning (3)
POLS 3031. Introduction to Behavioral Methodology (3) (S) (FC:SO)
POLS 3041. Women and Public Policy (3) (FC:SO) (P: POLS 1010 or consent of instructor)
POLS 3240. State and Local Government (3) (FC:SO) (P: POLS 1010 or consent of instructor)
POLS 3241. Urban Political Systems (3) (S)
POLS 3242. Municipal Policy and Administration (3)
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) (FC: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) (FC:SO)

Political Science Minor

Minimum requirement for political science minor is **24 s.h.** of credit as follows:

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

POLS 1010. National Government (3) (F,S,SS) (FC:SO)
POLS 2010. Introduction to Comparative Government and Politics (3) (WI) (F,S,SS) (FC:SO)
POLS 2020. Introduction to International Relations (3) (F,S,SS) (FC:SO)

2. Choose from the following..... 3 s.h.

POLS 2070. Introduction to Political Theory (3) (F,S) (FC:SO)
POLS 3031. Introduction to Behavioral Methodology (3) (S) (FC:SO)
POLS 3042. American Politics Through Music (3) (FC:SO)
POLS 3050. The Theory and Politics of Social and Protest Movements in the United States (3) (S) (FC:SO)
POLS 3370. American Political Thought (3) (S) (FC: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) (F,S,SS) (FC:SO)
POLS 2020. Introduction to International Relations (3) (F,S,SS) (FC:SO)

2. Electives (Choose from the following.)..... 18 s.h.

POLS 3013 Decision Making in the United Nations (3) (FC:SO)
POLS 3144. American Foreign Policy (3) (S) (RP: POLS 2020)
POLS 3155. National Security Policy (3) (S) (FC:SO)
POLS 3232. The European Union (3) (FC:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 3234. West European Political Systems (3) (F) (FC:SO)
POLS 3235. East European Political Systems (3) (S) (FC:SO)
POLS 3236. Russian Politics (3) (F) (FC:SO)
POLS 3257. International Environmental Policy (3) (S)
POLS 3260. Middle Eastern Political Systems (3) (FC:SO)
POLS 3265. African Political Systems (3) (S) (FC:SO)
POLS 3270. Latin-American Political Systems (3) (S) (FC:SO)
POLS 3290. Conflict and Peace in the Post-Cold War Era (3) (FC:SO)
POLS 3293. International Organizations (3)
POLS 3295. International Law (3) (P: POLS 2020 or consent of instructor)
POLS 3297. International Political Economy (3) (FC:SO)
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) (FC:SO)
POLS 4380. Topics in International Politics (3) (F) (P: POLS 2020 or consent of instructor)
POLS 4382. Politics of Terrorism (3) (S) (FC:SO)
POLS 4383. War in the Modern Age (3)
POLS 4384. Inter-American Relations (3) (SOY) (FC:SO)

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

Kathleen A. Row, 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 and at least a grade of "C" in PSYC 1000 or 1060. A faculty advisor 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 advisor or the director of undergraduate studies 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 advisor and chairperson. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   MATH 1065. College Algebra (3) (F,S,SS) (FC: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) (FC:SO) or PSYC 1060. Honors Introduction to Psychology (3) (F,S) (FC:SO) Minimum grade of "C" required.
   PSYC 2101. Psychological Statistics (4) (F,S,SS) (FC:SO) (P: MATH 1065 or MATH 1066)
   PSYC 2210. Research Methods in Psychology (4) (WI) (F,S) (FC:SO) (P: MATH 1065 or MATH 1066; PSYC 2101)
   PSYC 3225. Psychology of Learning (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060) or PSYC 3226. Cognitive Psychology (3) (FC:SO) (P: PSYC 1000 or 1060)
   PSYC 3310. Introduction to Neuroscience (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060) or PSYC 3311.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Neuropsychology (3) (F,S) (FC:SO) (P: PSYC 1000 or 1060) or PSYC 3312. Sensation and Perception (3) (F,S) (P: PSYC 1000 or 1060)

Choose two from:

PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060) or PSYC 2201. Psychology of Childhood (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

PSYC 3221. Social Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

PSYC 3300. Psychology of Personality (3) (F,S) (FC:SO) (P: PSYC 1000 or 1060)

PSYC 4375. Abnormal Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

PSYC 5325. Introduction to Psychological Testing (3) (P: A statistics course; PSYC 1000 or 1060)

Choose one from:

PSYC 4000. Advanced General Psychology (3) (WI) (F,S) (P: PSYC major; PSYC 2210; two courses from the learning and cognition, biological bases, or general course groups)

PSYC 4250. Advanced Seminar (3) (WI) (F,S,SS) (P: PSYC 2210 and consent of instructor)

PSYC 4280. History of Psychology (3) (WI) (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) (WI) (F,S) (P: PSYC major; PSYC 4401; two courses from the learning and cognition, biological bases, or general course groups; GPA above 3.00 overall and in Psychology)

Choose 6 s.h. of electives from any psychology course below 6000, except for PSYC 2201.

4. Minor.....24-30 s.h.

5. General electives to complete requirements for graduation.

Psychology Minor

A minimum grade of "C" in PSYC 1000 or 1060 is required to declare a 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) (FC:SO) or PSYC 1060. Honors Introduction to Psychology (3) (FC:SO)

PSYC 3225. Psychology of Learning (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060) or PSYC 3226. Cognitive Psychology (3) (FC:SO) (P: PSYC 1000 or 1060)

PSYC 3310. Introduction to Neuroscience (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060) or PSYC 3311. Neuropsychology (3) (F,S) (FC:SO) (P: PSYC 1000 or 1060) or PSYC 3312. Sensation and Perception (3) (F,S) (P: PSYC 1000 or 1060)

Choose two from:

PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060) or PSYC 2201. Psychology of Childhood (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

PSYC 3221. Social Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

PSYC 3300. Psychology of Personality (3) (F,S) (FC:SO) (P: PSYC 1000 or 1060)

PSYC 4375. Abnormal Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

PSYC 5325. Introduction to Psychological Testing (3) (P: Statistics course; PSYC 1000 or 1060)

2. PSYC electives.....9 s.h.

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.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Integrated Undergraduate/Graduate Degree Program in Psychology and Occupational Therapy

The integrated Undergraduate/Graduate Degree Program in Psychology and Occupational Therapy provides a means by which highly qualified undergraduate students may complete both a BA degree in psychology and the professional master's degree in occupational therapy in five years. Students must be approved by both participating departments and must apply to the graduate school as an integrated undergraduate/graduate student after 75 credits of undergraduate work is completed; permission to pursue the integrated degree program does not guarantee admission to the Graduate School. Incoming students must meet requirements for the honors program and must maintain a cumulative grade point average (GPA) of 3.5/4.0 at East Carolina University. Students who complete the program will receive an undergraduate degree in psychology upon completing all required courses, typically at the end of the first year of the graduate occupational therapy program. Interested students should consult the current ECU Graduate School catalog and the Department of Occupational Therapy for additional information.

The total number of hours for undergraduate and graduate programs combined is 181 credits. Fifteen semester credits of graduate courses count towards both the undergraduate and graduate degree. Required courses include: foreign language (12 credits), general education courses, including ANTH 1000 or 2200; BIOL 1050, 1051, 2140, 2141, 2150, 2151; CHEM 1120; HIMA 3000; PHIL 1110, 1175, 1500; PHIL 1180 or 2275; OCCT 3000, 6000, 6001, 6002, 6003, 6004, 6005, 6006, 6007, 6008, 6009, 6080, 6100, 6150, 6200, 6250, 6300, 6350, 6400, 6450, 6455, 6500, 6550, 6600, 6650, 7000; OCCT 6660 or BIOS 6022; PSYC major courses, including PSYC 1000, 2210, 3206, 3226, 3311, 4000, 4375, 12 s.h. PSYC electives; SOCI 2110.

BA Psychology/Master of Arts in Teaching in Elementary Education

This provides an opportunity for students to earn a Bachelor of Arts (BA) degree in psychology through the Harriot College of Arts and Sciences along with a Master of Arts in Teaching (MAT) degree and teacher certification in elementary education through the College of Education. Students can complete the BA/MAT in five years or less. Students who are completing the BA degree over four years may make an application to the program during their junior year or the fall semester of the senior year. Students who are seeking admission to the program while completing the accelerated three-year BA program in psychology should apply when they complete approximately 75 hours of coursework. Interested students should consult the ECU Graduate catalog and the MAT program coordinator in the College of Education for more information.

DEPARTMENT OF SOCIOLOGY

R. Lee Maril, 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. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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. Methods of Research (3) (F,S) (P: SOCI 2110)
   SOCI 3216. Introduction to Social Statistics (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) (P: SOCI 2110; or consent of instructor)
   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.**

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   PHIL 1180. Introduction to Critical Reasoning (3) (WI*) (S) (FC:HU) or PHIL 2261. Introduction to Philosophy of Science (3) (FC: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. Methods of Research (3) (F,S) (P: SOCI 2110)
   SOCI 3216. Introduction to Social Statistics (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.**
   Students may elect to take a minor in another discipline or one of the four 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 courses.

   Applied Social Research:
   SOCI 4200. Advanced Techniques in Quantitative Sociology (3) (P: MIS 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) (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)
   Choose 15 s.h., including at least two disciplines other than sociology from:
   ANTH 3050. Ethnographic Field Methods (3) (S) (P: ANTH 2010 or 2200 or consent of instructor)
   COMM 2030. Communication Research (3) (F,S) (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. Geography of the Global Economy (3) (F,S)
   GEOG 3430. Geographic Information Systems I (3) (F,S) (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 3021. Introduction to Planning Techniques (3) (F)
   PLAN 3022. History and Theory of Planning (3) (WI*) (F,S)
   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)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 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) (F,S) (P: FINA 2244 or consent of instructor)
JUST 1000. The Criminal Justice System (3) (F,S,SS)
JUST 3500. Principles of Criminal Law (3) (F,S) (P: JUST 1000, 2000)
PHIL 1175. Introduction to Ethics (3) (WI*) (F,S,SS)
PHIL 1180. Introduction to Critical Reasoning (3) (WI*) (S)
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. Women's 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 WOST 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)
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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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)

Social Diversity:

Choose 6 s.h. from:
SOCI 3400. Introduction to Gender and Society (3) (P: SOCI 2110)
SOCI 4345. Race and Cultural Minorities (3) (S) (P: SOCI 2110 or ANTH 1000)
SOCI 4347. Social Inequality (3) (F) (P: SOCI 2110 or ANTH 1000)

Choose 3 s.h. from:
SOCI 3100. Sociology of Aging (3) (P: SOCI 2110)
SOCI 3325. Sociology of Human Sexuality (3) (F) (P: SOCI 2110 or consent of instructor)
SOCI 4341. Sociology of Religion (3) (S) (P: SOCI 2110)

Choose 15 s.h. electives, including at least two disciplines other than sociology from the following. Any of the six courses listed above under social diversity that are not used to fulfill those hours may be used as electives.
ANTH 3002. Cultures of East Asia (3) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3003. Cultures of Africa (3) (OY) (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 3005. North American Indians (3) (EY) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3016. Cultures of the Caribbean (3) (S) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3018. Cultures of South and Central America (3) (EY) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3200. Women's Roles in Cross-Cultural Perspective (3) (EY) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ETHN 2002. Introduction to Ethnic Studies (3)
GEOG 4320. Gender, Economy and Development (3) (S) (P: consent of instructor)
GERO 2400. Introduction to Gerontology (3)
GERO 5400. Seminar in Aging Studies (3) (P: consent of instructor)
INTL 1000. Introduction to International Studies (3) (F,SS)
INTL 2003. Introduction to Chinese Culture (3) (P: ENGL 1200)
INTL 2004. Introduction to Japanese Cultures (3)
POLS 3039. Black Politics in America (3)
POLS 3040. Women in Politics (3) (S) (P: POLS 1010 or consent of instructor)
POLS 3041. Women and Public Policy (3) (S) (P: POLS 1010 or consent of instructor)
PSYC 3777. Ethnocultural Influences on the Development of the Self (3) (P: PSYC 1000 or 1060)
PSYC 4335. Psychology of Women (3) (P: PSYC 1000 or 1060)
SOCI 3500. Economy and Society (3) (P: SOCI 2110)
SOCI 3600. Power and Politics in Society (3) (P: SOCI 2110)
SOCI 5100. Social Inequality (3) (P: SOCI 2110 or consent of instructor)
SOCI 5400. Gender Roles (3) (P: SOCI 2110 or consent of instructor)
WOST 2400. Introduction to Women's Studies (3) (FC:SO)
WOST 4200. Feminist Theory (3) (WI) (F) (P: WOST 2000 or 2200 or 2400)

4. Cognates.....6 s.h.

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)
MIS 2223. Introduction to Computers (3) (F,S,SS)

5. Electives to complete requirements for graduation.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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) (FC:SO)
   SOCI 4337. Principles of Sociology (3) (S)
2. **SOCI electives .....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 departmental chairperson will appoint a faculty advisor 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.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

COLLEGE OF ALLIED HEALTH SCIENCES

Stephen W. Thomas, Dean

Admission

Admission to the university does not guarantee admission to the College 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, College of Allied Health Sciences.

Curricula

The College of Allied Health Sciences offers BS degree programs in clinical laboratory science, health information management, health services management, rehabilitation services, and speech and hearing sciences; minors in alcohol and drug studies, clinical microbiology, clinical chemistry and hematiology, hematology and immunohematology (blood bank), clinical laboratory science generalist, speech and hearing sciences, and health informatics; MS program in rehabilitation counseling, occupational therapy, vocational evaluation, speech-language and auditory pathology, substance abuse counseling, and physician assistant studies; a DPT in physical therapy; a PhD in communication sciences and disorders, and a PhD in rehabilitation counseling and administration. (See graduate catalog for graduate degrees.)

DEPARTMENT OF BIOSTATISTICS

Paul W. Vos, Chairperson, 252-744-6040

DEPARTMENT OF CLINICAL LABORATORY SCIENCE

Richard Bamberg, Chairperson, 252-744-6060

BS in Clinical Laboratory Science

A minimum cumulative 2.0 GPA in 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 the CLSC courses must petition the Department of Clinical Laboratory Science for probationary continuation. Minimum degree requirement is **131 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
   CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC: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) (FC: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) (FC:MA) (P: Appropriate score on mathematics placement test)
   Recommended:
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 2101. Psychological Statistics (4) (F,S,SS) (FC:SO) (P: MATH 1065 or MATH 1066)
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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

CLSC 4470, 4471. Clinical Microbiology II (3,2) (S) (P: CLSC 4460, 4461; or consent of instructor)
CLSC 4480, 4481. Clinical Microbiology III (2,1) (SS) (P: Consent of instructor)
CLSC 4491. Molecular Diagnostics in Clinical Laboratory Science I (1) (F) (P: Consent of instructor)
CLSC 4492. Molecular Diagnostics in Clinical Laboratory Science II (1) (S) (P: CLSC 4491; consent of instructor)
CLSC 4801, 4802. Professional Practice Issues I, II (3,4) (WI,WI) (F,S) (P: CLSC major)
CLSC 4803. Introduction to Clinical Laboratory Information Systems (2) (S) (P: CLSC major or consent of instructor)
**CLSC 4992. Clinical Education–Hematology, Coagulation, Urinalysis (4) (F,S) (P: CLSC 3420, 3421)
**CLSC 4993. Clinical Education–Chemistry (4) (F,S) (P: CLSC 4440, 4441)
**CLSC 4994. Clinical Education–Blood Bank and Serology (4) (F,S) (P: CLSC 4210, 4211)
**CLSC 4997. Clinical Education–Microbiology (4) (F,S) (P: CLSC 4470, 4471)

3. Cognates.....22 s.h.

BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
BIOL 2110, 2111. Fundamentals of Microbiology and Laboratory (3,1) (F,S) (P for 2110: BIOL 1050, 1051; or 1100, 1101; or equivalent; 8 s.h. in CHEM; P/C for 2111: BIOL 2110)
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) (F,S) (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 Cape Fear Valley Medical Center, Fayetteville; Craven Regional Medical Center, New Bern; Lenoir Memorial Hospital, Kinston; Nash Health Care System, Rocky Mount; Pitt County Memorial Hospital, Greenville; Wayne Memorial Hospital, Goldsboro; Wilson Medical Center, Wilson; and Federal Medical Center at the Federal Correction Complex, Butner, NC.

DEPARTMENT OF CLINICAL LABORATORY SCIENCE MINORS

The Department of Clinical Laboratory Science offers four minors in specific disciplines within the field of clinical laboratory science. Contact the Department of Clinical Laboratory Science for advice on choosing an appropriate minor for your career goals. The clinical microbiology, clinical chemistry and hematology, and the hematology and immunohematology minors carry national certification eligibility and employment options within large hospital and reference laboratories, while the clinical laboratory science generalist minor does not provide certification eligibility or employment options but is intended to provide pre-medical students with a knowledge base in the use of laboratory tests for patient diagnosis and disease management. All minors except the clinical laboratory science generalist minor require formal admission by the department. As student laboratory space is limited, minors are admitted after CLSC majors (see CLSC website for details). Any student pursuing a minor in the department, must meet all foundation curriculum and cognate course requirements as required for CLSC majors.

Clinical Chemistry and Hematology Minor

A minor in clinical chemistry and hematology requires **30 s.h.** as follows:

CLSC 3410, 3411. Hematology I Lecture and Laboratory (3,1)) (F)
CLSC 3420, 3421. Hematology II Lecture and Laboratory (3,1) (S) (P: CLSC 3410, 3411)
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 4430, 4431. Clinical Chemistry I Lecture and Laboratory (2,1) (F) (P: 4 CHEM courses; 1 statistics course; consent of instructor)
CLSC 4440, 4441. Clinical Chemistry II Lecture and Laboratory (4,2) (S) (P: CLSC 4430, 4431; or consent of instructor)
CLSC 4992. Clinical Education-Hematology, Coagulation, Urinalysis (4) (F, S) (P: CLSC 3420, 3421; consent of instructor)
CLSC 4993. Clinical Education-Chemistry (4) (F,S)(P: CLSC 4440, 4441)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Clinical Laboratory Science Generalist Minor

A minor in clinical laboratory science generalist requires **24 s.h.** as follows:

CLSC 3430. Clinical Immunology (2) (F) (P: Consent of instructor)
22 s.h. of CLSC lecture or independent study courses chosen from:
CLSC 3410, 3420, 4001, 4002, 4003, 4430, 4440, 4460, 4470, 4480, 4500, 4803

Clinical Microbiology Minor

A minor in clinical microbiology requires **27 s.h.** as follows:

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 4460, 4461. Clinical Microbiology I (4, 2) (F) (P: BIOL 2110, 2111; or 3220, 3221)
CLSC 4470, 4770. Clinical Microbiology II (3,2) (S) (P:CLSC 4460, 4461; or consent of instructor)
CLSC 4480, 4481. Clinical Microbiology III (2,1) (SS) (P: CLSC 4470, 4471, or consent of instructor)
CLSC 4491. Molecular Diagnostics in Clinical Laboratory Science I (1) (F) (P: Consent of instructor)
CLSC 4492. Molecular Diagnostics in Clinical Laboratory Science II (1) (S)
CLSC 4803. Introduction to Clinical Laboratory Information Systems (2) (S) (P: CLSC major or consent of instructor)
CLSC 4997. Clinical Education-Microbiology (4) (F,S) (P: CLSC 4470, 4471; consent of instructor)

Hematology and Immunohematology Minor

A minor in hematology and immnunohematology requires **27 s.h.** as follows:

CLSC 3410, 3411. Hematology I Lecture and Laboratory (3,1) (F)
CLSC 3420, 3421. Hematology II Lecture and Laboratory (3,1) (S) (P: CLSC 3410, 3411)
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: Consent of instructor)
CLSC 4803. Introduction to Clinical Laboratory Information Systems (2) (S) (P: CLSC major or consent of instructor)
CLSC 4992. Clinical Education-Hematology, Coagulation, Urinalysis (4) (F,S) (P: CLSC 3420, 3421; consent of instructor)
CLSC 4994. Clinical Education-Blood Bank and Serology (4) (F,S) (P: CLSC 4210, 4211; consent of instructor)

DEPARTMENT OF COMMUNICATION SCIENCES AND DISORDERS

Gregg D. Givens, Chairperson, 252-744-6080

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 **121 s.h.** of credit as follows:

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

1. **Foundations curriculum requirements (See Section 4, Foundations curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
   BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PHYS 1050. Physics and the Environment (4) (F,S,SS) (FC:SC)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
2. **Core.....30 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)
   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) (WI) (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, 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 is designed to provide the student with an overview of the nature of human communication, including its origin, development, and processes. The director of undergraduate studies of the Department of Communication Sciences and Disorders should be consulted for the schedule plan of the minor. The minor requires **24 s.h.** as follows:

CSDI 2100. Introduction to Communication Disorders (3) (F,S)
CSDI 3010. Phonetics (3) (F)
CSDI 3020. Language Development (3) (F)
CSDI 3030. Speech Science: Anatomy, Physiology, and Acoustics (3) (F)
CSDI 3050. Acquisition and Development of Phonology and Articulation (3) (S)
CSDI 3105. Hearing Science (3) (S)
CSDI 4100. Introduction to Audiology (3) (F)
CSDI 4110. Aural Rehabilitation (3) (S)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 HEALTH SERVICES AND INFORMATION MANAGEMENT

Elizabeth Layman, Chairperson, 252-744-6177

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 earn a minimum grade of C in all core, cognate, and required courses. A student earning a D in any of these courses must petition the Department of Health Services and Information Management for probationary continuation and may be required to repeat the course. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   Recommended:
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
2. **Core.....73 s.h.**
   HIMA 3000. Medical Terminology for Health Professionals (2) (F, S, SS)
   HIMA 3032. Record Documentation Systems (3) (S) (P: HIMA major; HIMA 3120)
   HIMA 3113. Applied Medical Sciences I (3) (F) (P: BIOL 2130, 2131)
   HIMA 3118. Applied Medical Sciences II (3) (S) (P: HIMA 3113)
   HIMA 3120. Health Care Delivery Systems (3) (F) (P: HSMA 2000; P/C: HSMA 3030)
   HIMA 3142. Diagnostic and Procedural Coding (3) (S, SS) (P/C: HIMA major; BIOL 2130, 2131; HIMA 3118)
   HIMA 3148. Health Service Coding (3) (F) (P: HIMA 3120, 3142)
   HIMA 3090. Professional Practice Experience I (1) (S) (P/C: HIMA 3120, 3142)
   HIMA 4000. Professional Practice Experience II (1) (F) (P: HIMA 3090)
   HIMA 4030. Quality Management in Health Care (3) (S) (P: HIMA 3113, 3120, or consent of instructor)
   HIMA 4075. Applied Health Services Research (3) (WI) (F) (P: BIOS 1500; HIMA 3120)
   HIMA 4138. Health Data Structures (3) (S) (P: HIMA 3120)
   HIMA 4153. Management of Health Information Services Department (3) (WI) (F) (P: HSMA 3050, 4055)
   HIMA 4160. Concepts in Health Information Technology (3) (F) (P: MIS 2223; HIMA 3090)
   HIMA 4165. Health Information Systems (3) (S) (P: HIMA 4160)
   HSMA 2000. Professional Roles and Environments in Health Care (3) (F,S,SS)
   HSMA 3020. Health Care Payment Systems (3) (3) (S) (P: HSMA 2000; P/C: HIMA 3120; HSMA 3030, 3035)
   HSMA 3025. Professional Ethical Codes and Law in Health Care (3) (F) (P: HSMA 2000; P/C: HSMA 3030; or consent of instructor)
   HSMA 3030. Written Communication and Documentation in Health Care (4) (WI) (F) (P: HSMA 2000)
   HSMA 3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S) (P: HSMA 2000; P/C: HSMA 3030)
   HSMA 3050. Leadership in Health Care (3) (F) (P/C: HSMA 3030)
   HSMA 4010. Health Information Management (3) (F) (P: HIMA 3120; HSMA 3035)
   HSMA 4050. Personnel Management and Supervision in Health Care (3) (S) (P: HIMA 3120; HSMA 3035; or consent of instructor)
   HSMA 4055. Health Care Finance and Accounting (3) (F,SS) (P: HIMA 3120; HSMA 3035)
   HSMA 4905. Allied Health Management Experience (5) (S) (P: Senior standing, consent of advisor, and within 15 s.h. of completing degree program)
3. **Cognates.....7 s.h.**
   MIS 2223. Introduction to Computers (3) (F,S,SS)
   BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or BIOL 1100, 1101) or 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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130) or BIOL 2141, 2151. Human Physiology and Anatomy Laboratory (1,1) (P for 2151: BIOL 2141; C for 2141: BIOL 2140; C for 2151: BIOL 2150)

BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor)

4. **Electives to complete requirements for graduation.**

BS in Health Services Management

Admission to the BS in health services management program requires a minimum cumulative GPA of 2.5 and an application. Applications should be submitted when the student is nearing completion of foundations curriculum requirements. Undergraduate students interested in pursuing master's level professional degrees in allied health disciplines are encouraged to seek academic advisement as freshmen. Majors must earn a minimum grade of C in all core, cognate, and required courses. A student earning a D in any of these courses must petition the Department of Health Services and Information Management for probationary continuation and may be required to repeat the course. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**

MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)

Recommended:

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)

2. **Core..... 40-43 s.h.**

HIMA 3120. Health Care Delivery Systems (3) (F) (P: HSMA 2000; P/C for major: HIMA 3030; P/C for minor: none)

HIMA 4030. Quality Management in Health Care (3) (S) (P: HIMA 3113, 3120, or consent of instructor)

HIMA 4075. Applied Health Services Research (3) (WI) (F) (P: BIOS 1500; HIMA 3120)

HSMA 2000. Professional Roles and Environments in Health Care (3) (F,S,SS)

HSMA 3020. Health Care Payment Systems (3) (S) (P: HSMA 2000; P/C: HIMA 3120; HSMA 3030, 3035)

HSMA 3025. Professional Ethical Codes and Law in Health Care (3) (F) (P: HSMA 2000, P/C: HIMA 3030; or consent of instructor)

HSMA 3030. Written Communication and Documentation in Health Care (4) (WI) (F) (P: HSMA 2000)

HSMA 3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S) (P: HSMA 2000, P/C: HIMA 3030)

HSMA 3050. Leadership in Health Care (3) (F) (P/C for major: HSMA 3030; P/C for minor: none)

HSMA 4010. Health Information Management (3) (F) (P: HIMA 3120; HSMA 3035)

HSMA 4050. Personnel Management and Supervision in Health Care (3) (S) (P: HIMA 3120; HSMA 3035; or consent of instructor)

HSMA 4055. Health Care Finance and Accounting (3) (F,SS) (P: HIMA 3120; HSMA 3035)

HSMA 4903, 4904, 4905, 4906. Allied Health Management Experience (3,4,5,6) (WI*) (S) (P: Senior standing, consent of advisor, and within 15 s.h. of completing degree program)

3. **Cognates..... 7 s.h.**

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or BIOL 1100, 1101) or 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 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130) or BIOL 2141, 2151. Human Physiology and Anatomy Laboratory (1,1) (P for 2151: BIOL 2141; C for 2141: BIOL 2140; C for 2151: BIOL 2150)

BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent or consent of instructor)

MIS 2223. Introduction to Computers (3) (F,S,SS)

4. **Concentration areas (Choose one.): ..... 8-11 s.h.**

Health services management:

HIMA 3000. Medical Terminology for Health Professionals (2) (F, S, SS)

HIMA 3113. Applied Medical Sciences I (3) (F) (P: BIOL 2130, 2131)

HIMA 3118. Applied Medical Sciences II (3) (S) (P: HIMA 3113)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Allied health management:

Choose 8-11 s.h. from:

HPRO 2501, 2502, 2503, 2504, 2505. Allied Health Practice (1,2,3,4,5) (F, S, SS) (P: Current and valid applicable credential, license, or registration and consent of advisor and dept. chair)

5. **Restricted electives to complete requirements for graduation. Choose from the following, prerequisites for allied health graduate programs, or others in consultation with advisor:**

ASIP 2212, 2213. Basic Programming for Business Applications (3,0) (F,S) (P: ASIP 2112 or equivalent)
ASIP 2311, 2312. Financial Information Systems (3,0) (F,S)
BIOS 5010. Epidemiology for Health Professionals (3) (P: BIOS 1500 or consent of instructor)
GERO 2400. Introduction to Gerontology (3) (FC:SO)
HIMA 4165. Health Information Systems (3) (S) (P: HIMA 4160)
HSMA 4015. Health Care Records and Data: Maintenance and Analysis (3) (S) (P: HSMA 3025)
HSMA 4020. Health Care Reimbursement: Public (3) (F) (P: HSMA 3020)
HSMA 4025. Health Care Reimbursement: Private (3) (S) (P: HSMA 3020)
HSMA 4028. Health Care Reimbursement: Policy and Research (3) (S) (P: HSMA 3020)
HSMA 4056. Marketing Health Care Services (3) (S) (P: HIMA 3120; HSMA 3035; or consent of instructor)
HSMA 4070. Outcomes Assessment and Management in Health Care (3) (F,S) (P: HIMA 3120; HSMA 3035)
HSMA 4075. Managed Care in Health Systems (3) (F,S) (P: HIMA 3120; HSMA 3035)
HSMA 4081, 4082, 4083. Advanced Topics in Health Care Management and Service Delivery (1,2,3) (S) (P: HIMA 3120; HSMA 3035; consent of instructor, advisor, or dept. chair)

Choose 19-22 s.h. from:

HPRO 2501, 2502, 2503, 2504, 2505. Allied Health Practice (1,2,3,4,5) (F, S, SS) (P: Current and valid applicable credential, license, or registration and consent of advisor and dept. chair)

Health Informatics Minor

Minimum requirements for the health informatics minor is **24 s.h.** selected from the following courses:

HIMA 3000. Medical Terminology for Health Professionals (2) (F,S,SS)
HIMA 3120. Health Care Delivery Systems (3) (F) (P: HSMA 2000; P/C for major: HSMA 3030; P/C for minor: none)
HIMA 4138. Health Data Structures (3) (S) (P: HIMA 3120)
HIMA 4160. Concepts in Health Information Technology (3) (F) (P: ASIP 2112 or MIS 2223)
HIMA 4165. Health Information Systems (3) (S) (P: HIMA 4160)
HIMA 5060. Health Informatics (3) (F)
HSMA 2000. Professional Roles and Environments in Health Care (3) (F,S,SS)
HSMA 3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S) (P: HSMA 2000, P/C for major: HSMA 3030; P/C for minor: none)
HSMA 4010. Health Information Management (3) (F) (P: HIMA 3120; HSMA 3035)
MIS 2223. Introduction to Computers (3) (F,S,SS)

DEPARTMENT OF REHABILITATION STUDIES

Paul Alston, Chairperson, 252-744-6290
Martha Chapin, Director, Undergraduate Rehabilitation Services, 252-744-6291

BS in Rehabilitation Services

Admission to the BS in rehabilitation services program requires a minimum cumulative 2.5 GPA and an application. Program admission is competitive and admission to the university and/or achieving a minimum 2.5 GPA does not guarantee admission to the rehabilitation services degree program. Applications should be submitted when the student is nearing completion of 42 s.h. A student may only apply for admission twice. Additional information and application for admission can be obtained from the Department of Rehabilitation Studies. 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

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

electives approved by the faculty advisor and departmental chairperson. Majors must earn a minimum grade of C in all REHB courses. Minimum degree requirement is **121 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
   MATH 1065. College Algebra (3) (F,S,SS) (FC: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 or 2140; HLTH 1000 or 1050; or consent of instructor)
   PSYC 2275. Psychology of Adjustment (3) (F,S) (FC:SO)
   PSYC 4375. Abnormal Psychology (3) (F,S,SS) (FC: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) (WI) (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) (WI*) (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,SS)
   - REHB 5100, 5101. Occupational Analysis and Career Counseling (3) (F,SS) (P for nonmajor: Consent of instructor)
   - REHB 5400. Introduction to Vocational Evaluation (3) (F,SS) (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

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.**
   PSYC 2275. Psychology of Adjustment (3) (F,S) (FC:SO)
   PSYC 4375. Abnormal Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   REHB 2003. Alcohol and Drug Abuse: Health and Social Problems (3) (F,S)
   REHB 5793. Treatment of Alcohol and Drug Addiction (3) (S,SS) (P/C: REHB 2003 or consent of instructor)
   REHB 5796. Contemporary Alcohol/Drug Abuse Issues (3) (F) (P/C: REHB 5793 or consent of instructor)
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)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   PSYC 3300. Psychology of Personality (3) (F,S) (FC:SO)
   REHB 5000. Introduction to Rehabilitation (3)
   SOCI 2111. Modern Social Problems (3) (F,S,SS) (FC:SO) (P: SOCI 2110)
   SOCI 3220. Sociology of Deviant Behavior (3) (F,S,SS) (FC:SO) (P: SOCI 2110)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 BUSINESS

Frederick Niswander, Dean, 3119 Bate Building
Stanley G. Eakins, Associate Dean
Richard L. Kerns, Associate Dean for Computer Services
Len Rhodes, Assistant Dean for Graduate Studies

The College 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 college, which consists of five departments, offers the BSBA degrees in finance, management, management accounting, management information systems, and marketing; the five-year BSA/MSA and a stand-alone MSA program in professional accounting; and the MBA degree. The college 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 college 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 college 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 AACSB International. Since the primary objective of accreditation and the College 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, non-business majors will not be permitted to enroll in more than 30 s.h. of undergraduate course credit offered by the College of Business.

Admission

Upon admission to the university, students may declare a major in business administration. Students must declare a concentration before taking upper-level business courses. Students may declare concentrations in accounting, finance, management, marketing and supply chain management, or management information systems. To declare a concentration, students must meet the following requirements:

1. Completion of a minimum of 45 s.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; MATH 1066, 2283; MIS 2223.

Students who desire to pursue the BSA/MSA or BSBA degree must have declared a concentration before they enroll in 4000-level business courses. Preference in registration will be given to majors with a minimum 2.5 GPA. Students who have not declared a concentration 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 students who have not declared a concentration in accounting.

The admission of a student seeking a second undergraduate degree in the College of Business must be approved by the chairperson 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 College 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 College of Business.

Students previously enrolled in the College 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 College of Business must meet the requirements for admission outlined in the section above.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Transfer Credit for Upper-Level Courses

The College 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 College of Business concentration requirement and also count as fulfilling the business core requirements of the College of Business.

DEPARTMENT OF ACCOUNTING

Don Schisler, Chairperson, 3208 Bate Building

BSBA in Management Accounting

The BSBA in management accounting is intended for students who aspire to enter the accounting profession in the private and public sector (e.g., governmental, internal audit, and managerial accounting positions). It is not intended to prepare students for professional certification as a certified public accountant. If professional certification as a certified public accountant is desired, then students 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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
   BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC) or CHEM 1020. General Descriptive Chemistry (4) (FC:SC) or GEOL 1700. Environmental Geology (4) (F,S) (FC:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (FC:SC)
   COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PHIL 2274. Business Ethics (3) (WI*) (F,S,SS) (FC:HU) or PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC: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 or 2119 or 2121 or 2171)
   ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)
   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 3302. Management of Organizations (3) (F,S,SS) (P: ECON 2113, 2133; ACCT 2401)
   MGMT 4842. Business Policy (3) (WI) (F,S,SS) (P: OMGT 3123; FINA 3724; MKTG 3832; MGMT 3302; declared major in the College of Business; senior standing)
   MIS 2223. Introduction to Computers (3) (F,S,SS)
   MIS 3063. Introduction to Management Information Systems (3) (F,S,SS) (P: MIS 2223)
   MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
   OMGT 3123. Operations and Supply Chain Management (3) (F,S,SS) (P: MATH 2228 or 2283; MIS 2223)
   OMGT 3223. Business Decision Modeling (3) (F,S,SS) (P: Minimum grade of C in MIS 2223, MATH 1066 or 2119 or 2121 or 2171, 2283)
   Choose one international perspectives course from:
   ACCT 4451. International Accounting (3) (F,S) (P: FINA 3724)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 4454. International Finance (3) (S) (P: FINA 3724)
MGMT 3352. International Business (3) (F,S,SS) (P: MGMT 3302)
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. Core ..... 15 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 3851. Accounting Information Systems (3) (F,S) (P/C: ACCT 3551)
ACCT 4611. Taxation for Decision Making (3) (WI) (F,S) (P: ACCT 3551)
ACCT 4631. Internal Auditing (3) (F,S) (P: ACCT 3621; ACCT 3851)
ACCT 4641. Government and Not-for-Profit Accounting (3) (F,S) (P: ACCT 3551)
Choose 3 s.h. from:
ACCT 3731. Advanced and Nonprofit Accounting (3) (F,S) (P: ACCT 3561)
ACCT 4621. Controllership Topics (3) (F,S) (P: ACCT 3551; ACCT 3621)
FINA 3824. Financial Analysis and Planning (3) (F,S) (P: FINA 3724)
MGMT 4402. Human Resource Management (3) (F,S) (P: MGMT 3202)
OMGT 4743. Logistics and Materials Management (3) (F) (P: OMGT 3123)

5. Electives to complete requirements for graduation.

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 College 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. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

BIOL 1060. Environmental Biology (4) (FC:SC) or CHEM 1020. General Descriptive Chemistry (4) (FC:SC) or GEOL 1700. Environmental Geology (4) (F,S) (FC:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (FC:SC)
COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:SO) (P: Appropriate score on mathematics placement test or approval of dept chair)
PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066 or 2119 or 2121 or 2171)
ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)
ACCT 6701. Regulation (3) (P: ACCT 6891; P/C: ACCT 6901)
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)
FINA 6604. Financial Management II (3) (P: OMGT 6123; FINA 6144)
MGMT 3302. Management of Organizations (3) (F,S,SS) (P: ECON 2113, 2133; ACCT 2401)
MGMT 4842. Business Policy (3) (WI) (F,S,SS) (P: OMGT 3123; FINA 3724; MKTG 3832; MGMT 3302; declared major in the College of Business; senior standing)
MGMT 6832. Human Resources (3) (P: MGMT 6102)
MIS 2223. Introduction to Computers (3) (F,S,SS)
MIS 3063. Introduction to Management Information Systems (3) (F,S,SS) (P: MIS 2223)
MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
OMGT 3123. Operations and Supply Chain Management (3) (F,S,SS) (P: MATH 2228 or 2283; MIS 2223)
OMGT 3223. Business Decision Modeling (3) (F,S,SS) (P: Minimum grade of C in MIS 2223, MATH 1066 or 2119 or 2121 or 2171, 2283)
OMGT 4293. Statistical Analysis (3) (F,S) (P: MATH 1066, 2283)
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 3302)
- 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. Core.....39 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 Accounting (3) (F,S) (P: ACCT 3561)
ACCT 4641. Government and Not for Profit Accounting (3) (F,S) (P: ACCT 3551)
ACCT 4651. Accounting Information Systems (3) (F,S) (P: ACCT 3561; MIS 3063)
ACCT 6611. Auditing (3) (F,S) (P: ACCT 3851 or consent of MSA advisor)
ACCT 6801. Accounting Theory (3) (P: Consent of MSA advisor)
ACCT 6811. Cost Accounting Theory (3) (P: Consent of MSA advisor) or ACCT 6911. Research in Taxation (3) (P: ACCT 6981; consent of MSA advisor) or ACCT course above 6600
ACCT 6891. Federal Income Taxation (3) (P: ACCT 3561 or consent of MSA advisor)
ACCT 6901. Advanced Federal Taxation (3) (P: ACCT 3731, 6891; or consent of MSA advisor)
ACCT 6951. Auditing Seminar (3) (P: To be taken during final semester or consent of MSA advisor)
ACCT 6981. The Professional Accounting Environment (3) (P: Candidate for graduation)

5. Undergraduate electives to complete requirements for graduation. 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.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

All other East Carolina University Graduate School and College 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 FINANCE

Scott Below, 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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC) or CHEM 1020. General Descriptive Chemistry (4) (FC:SC) or GEOL 1700. Environmental Geology (4) (F,S) (FC:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (FC:SC)
   COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PHIL 2274. Business Ethics (3) (WI*) (F,S,SS) (FC:HU) or PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU) (WI*)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC: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 or 2119 or 2121 or 2171)
   ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)
   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 3302. Management of Organizations (3) (F,S,SS) (P: ECON 2113, 2133; ACCT 2401)
   MGMT 4842. Business Policy (3) (WI) (F,S,SS) (P: OMGT 3123; FINA 3724; MKTG 3832; MGMT 3302; declared major in the College of Business; senior standing)
   MIS 2223. Introduction to Computers (3) (F,S,SS)
   MIS 3063. Introduction to Management Information Systems (3) (F,S,SS) (P: MIS 2223)
   MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
   OMGT 3123. Operations and Supply Chain Management (3) (F,S,SS) (P: MATH 2228 or 2283; MIS 2223)
   OMGT 3223. Business Decision Modeling (3) (F,S,SS) (P: Minimum grade of C in MIS 2223, MATH 1066 or 2119 or 2121 or 2171, 2283)
   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 3302)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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)
FINA 3554. Principles of Real Estate (3) (F,S) (P: ACCT 2401; ECON 2133)
FINA 3904. Investments (3) (F,S) (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) (F,S) (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) (F,S) (P: ECON 2113)
FINA 3824. Financial Analysis and Planning (3) (F,S) (P: FINA 3724)
FINA 3904. Investments (3) (F,S) (P: ECON 2133; FINA 3724)
FINA 4734. Financial Management II (3) (F,S) (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) (F,S) (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)

General Business Concentration:

The concentration in general business offers students the opportunity to acquire a general overview of the skills necessary to manage human and physical resources. Although primarily designed for distance education students, students on campus may choose this concentration. Enrollment in this concentration will be limited by the resources available. Distance education students will receive priority in enrollment in distance education courses.
Complete **18 s.h.** of credit as detailed below:
ACCT 4921. Accounting for Business Professionals (3) (F,S) (P: ACCT 2524)
FINA 3144. Financial Markets (3) (F,S)
MGMT 4242 Organizational Behavior (3) (F,S) (P:3302) or PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYCH 1000 or 1060)
MKTG 4732. Consumer Behavior (3) (F,S) (P: MKTG 3832)
OMGT 4733. Project Management (3) (F,S) (P: OMGT 3123)
Choose one from:
MGMT 4402. Human Resources Management (3) (F,S) (P: MGMT 3202 or 3302)
FINA 3904. Investments (3) (F,S) (P: ECON 2133; FINA 3724)
Other courses approved by advisor.

5. Electives to complete requirements for graduation.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC) or CHEM 1020. General Descriptive Chemistry (4) (FC:SC) or GEOL 1700. Environmental Geology (4) (F,S) (FC:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (FC:SC)
   COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PHIL 2274. Business Ethics (3) (WI*) (F,S,SS) (FC:HU) or PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC: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 or 2119 or 2121 or 2171)
   ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)
   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 3302. Management of Organizations (3) (F,S,SS) (P: ECON 2113, 2133; ACCT 2401)
   MGMT 4842. Business Policy (3) (WI) (F,S,SS) (P: OMGT 3123; FINA 3724; MKTG 3832; MGMT 3302; declared major in the College of Business; senior standing)
   MIS 2223. Introduction to Computers (3) (F,S,SS)
   MIS 3063. Introduction to Management Information Systems (3) (F,S,SS) (P: MIS 2223)
   MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
   OMGT 3123. Operations and Supply Chain Management (3) (F,S,SS) (P: MATH 2228 or 2283; MIS 2223)
   OMGT 3223. Business Decision Modeling (3) (F,S,SS) (P: Minimum grade of C in MIS 2223, MATH 1066 or 2119 or 2121 or 2171, 2283)
   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 3302)
   - 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 3302) or PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS)
   MGMT 4252. Entrepreneurship (3) (WI) (F) (P: FINA 3724; MGMT 3302; MKTG 3832)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

MGMT 4262. Small Business Management (3) (WI) (F,S) (P: FINA 3724; MGMT 3202 or 3302; MKTG 3832)
Choose 9 s.h. from:
FINA 3824. Financial Analysis and Planning (3) (F,S) (P: FINA 3724)
MGMT 4272. Managing the Family Business (3) (WI) (S) (P: MGMT 3302)
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 or 3302)
MGMT 4482. Managerial Negotiation (3) (F,S) (P: MGMT 3302)
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)
OMGT 4743. Logistics and Materials Management (3) (F) (P: OMGT 3123)

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) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
COMM 3180. Intercultural Communication (3) Formerly COMM 3080
COMM 3390. International News Communication (3) (S) (FC:SO) Formerly COMM 3290
ECON 3353. Economics of Underdeveloped Countries (3) (FC:SO) (P: ECON 2133)
FORL 2624. Francophone Literature of Africa in Translation (3) (FC:HU)
GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
GEOG 3050. Africa (3) (S) (FC:SO)
HIST 3670. History of the Middle East (3) (WI*) (FC:SO)
HIST 3810. History of Africa (3) (WI*) (FC:SO)
PHIL 1690. World Religions (3) (F,S) (FC:HU)
POLS 3260. Middle Eastern Political Systems (3) (S) (FC:SO)
POLS 3265. African Political Systems (3) (S) (FC:SO)
POLS 3293. International Organizations (3)
POLS 3295. International Law (3) (P: POLS 2020 or consent of instructor)
PSYC 3314. Psychology of Religion (3) (FC:SO)

Asia:

ANTH 3002. Cultures of East Asia (3) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ART 3920. Asian Art (3) (WI*) (F,S)
COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3390. International News Communication (3) (S) (P: COMM major or minor or consent of instructor)
ECON 3353. Economics of Underdeveloped Countries (3) (FC:SO) (P: ECON 2133)
GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
GEOG 3051. Asia (3) (S) (FC:SO)
HIST 3611. History of the Far East Since 1600 (3) (FC:SO)
HIST 3620. History of Modern Japan (3) (FC:SO)
HIST 3630. History of Modern China (3) (FC:SO)
HIST 4610. History of Southeast Asia (3) (FC:SO)
PHIL 1690. World Religions (3) (F,S) (FC:HU)
POLS 3280. South Asian Political Systems (3) (SS)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 3293. International Organizations (3)
POLS 3295. International Law (3) (P: POLS 2020 or consent of instructor)
PSYC 3314. Psychology of Religion (3) (FC:SO)

Europe:

IDSN 2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (WI) (S) (Formerly IDMR 2700)
COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3390. International News Communication (3) (S) (P: COMM major or minor or consent of instructor)
ECON 3353. Economics of Underdeveloped Countries (3) (FC:SO) (P: ECON 2133)
ECON 4373. International Trade (3) (S) (FC:SO) (P: ECON 2133; 3144)
FORL 2620. French Literature in Translation (3) (FC:HU)
FORL 2660. Spanish Literature in Translation (3) (FC:HU)
FORL 2680. German Literature in Translation (3) (FC:HU)
GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO)
GEOG 3047. Western Europe (3) (WI*) (FC:SO)
HIST 3435. History of Europe Since 1914 (3) (FC:SO)
HIST 3450. History of Modern Germany (3) (FC:SO)
PHIL 1690. World Religions (3) (F,S) (FC:SO)
POLS 3234. West European Political Systems (3) (F) (FC:SO)
POLS 3235. East European Political Systems (3) (S) (FC:SO)
POLS 3236. The Soviet Successor States (3) (F) (FC:SO)
POLS 3293. International Organizations (3)
POLS 3295. International Law (3) (P: POLS 2020 or consent of instructor)
PSYC 3314. Psychology of Religion (3) (FC:SO)

South America:

ANTH 3016. Cultures of the Caribbean (3) (S) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
ANTH 3018. Cultures of South and Central America (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3390. International News Communication (3) (S) (P: COMM major or minor or consent of instructor)
ECON 3353. Economics of Underdeveloped Countries (3) (FC:SO) (P: ECON 2133)
FORL 2661. Latin-American Literature in Translation (3) (WI*) (FC:HU)
FORL 2760. Special Topics in Hispanic Studies (3) (FC:HU)
FORL 3660. Hispanic Women Writers (3) (FC:HU)
GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
GEOG 3049. Latin America (3) (WI*) (FC:SO)
GEOG 3056. Middle America (3) (FC:SO)
HIST 3711. Introduction to Latin-American History: Since 1808 (3) (WI*) (FC:SO)
HIST 3760. The ABC Powers: Argentina, Brazil, Chile (3) (S02) (FC:SO)
HIST 3780. Mexico and Central America (3) (WI*) (FC:SO)
PHIL 1690. World Religions (3) (F,S) (FC:HU)
POLS 3270. Latin-American Political Systems (3) (S) (FC:SO)
POLS 3293. International Organizations (3)
POLS 3295. International Law (3) (P: POLS 2020 or consent of instructor)
PSYC 3314. Psychology of Religion (3) (FC:SO)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

For non-North American Students:

North America:

AMID 2700. Historic Interiors I: 3000 BC through Mid-Nineteenth Century (3) (WI*) (F)
ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3390. International News Communication (3) (S) (P: COMM major or minor or consent of instructor)
ECON 3420. Money and Banking (3) (WI*) (S) (FC:SO) (P: ECON 2133)
GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
GEOG 3046. United States and Canada (3) (F) (FC:SO)
GEOG 3056. Middle America (3) (FC:SO)
HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
HIST 2012. American Business History (3) (WI*) (F) (FC:SO)
HIST 3031. Economic History of the United States Since 1865 (3) (FC:SO)
HIST 3245. The United States Since 1945 (3) (WI*) (F) (FC:SO)
HIST 3780. Mexico and Central America (3) (WI*) (FC:SO)
PHIL 1690. World Religions (3) (F,S) (FC:HU)
POLS 3270. Latin-American Political Systems (3) (S) (FC:SO)
POLS 3293. International Organizations (3)
POLS 3295. International Law (3) (P: POLS 2020 or consent of instructor)
PSYC 3314. Psychology of Religion (3) (FC:SO)

Management (18 s.h.):

MGMT 4242. Organizational Behavior (3) (F,S) (P: MGMT 3302) or PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS)
MGMT 4482. Managerial Negotiation (3) (F,S) (P: MGMT 3302)
Choose 12 s.h. from:
MGMT 4252. Entrepreneurship (3) (WI) (F) (P: FINA 3724; MGMT 3302; MKTG 3832)
MGMT 4272. Managing the Family Business (3) (WI*) (S) (P: MGMT 3302)
MGMT 4342. Organizational Change and Development (3) (F,S) (P: MGMT 3202 or 3302)
MGMT 4343. Organizational Leaders and Leadership (3) (F,S) (P: MGMT 3202)
MGMT 4352. Management in a Global Economy (3) (F) (P: MGMT 3352 or MKTG 4992 or FINA 4454)
MGMT 4402. Human Resource Management (3) (F,S) (P: MGMT 3202 or 3302)
MGMT 4422. Labor Relations (3) (F) (P: MGMT 3202 or 3302)
MGMT 4952. Topics in Management (3) (F,S) (P: MGMT 3302; consent of dept chair)

5. Electives to complete requirements for graduation.

DEPARTMENT OF MANAGEMENT INFORMATION SYSTEMS

Richard Hauser, Interim Chairperson, 3410 Bate Building

BSBA in Management Information Systems

The Department of Management Information Systems offers a BSBA in management information systems with a concentration in management information systems, providing students with a strong technical background on which to build interpersonal and problem-solving skills. The department also participates in the electronic commerce concentration offered through the Department of Marketing and Supply Chain Management in the College of Business. The concentration in electronic commerce is an interdisciplinary concentration offered cooperatively between the Departments of Marketing and Supply Chain Management and Management Information Systems. Minimum degree requirement is **120 s.h.** of credit as follows:

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC) or CHEM 1020. General Descriptive Chemistry (4) (FC:SC) or GEOL 1700. Environmental Geology (4) (F,S) (FC:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (FC:SC)
   COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PHIL 2274. Business Ethics (3) (WI*) (F,S,SS) (FC:HU) or PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC: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 or 2119 or 2121 or 2171)
   ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)
   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 3302. Management of Organizations (3) (F,S,SS) (P: ECON 2113, 2133; ACCT 2401)
   MGMT 4842. Business Policy (3) (WI) (F,S,SS) (P: OMGT 3123; FINA 3724; MKTG 3832; MGMT 3302; declared major in the College of Business; senior standing)
   MIS 2223. Introduction to Computers (3) (F,S,SS)
   MIS 3063. Introduction to Management Information Systems (3) (F,S,SS) (P: MIS 2223)
   MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
   OMGT 3123. Operations and Supply Chain Management (3) (F,S,SS) (P: MATH 2228 or 2283; MIS 2223)
   OMGT 3223. Business Decision Modeling (3) (F,S,SS) (P: Minimum grade of C in MIS 2223, MATH 1066 or 2119 or 2121 or 2171, 2283)
   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 3302)
   - 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 .....18 s.h.**
   Management Information Systems:
   MIS 3673. Software Design and Development (3) (F,S) (P: MIS 3063)
   MIS 4113. Data Base Management Systems (3) (F,S) (P: MIS 3063)
   MIS 4123. Telecommunications and Networked Systems (3) (F,S) (P: MIS 3063)
   MIS 4153. Web Application Development for Business (3) (F,S) (P: MIS 3063)
   MIS 4163. Information Systems Analysis and Design (3) (F,S) (P: MIS 3063)
   MIS 4173. Information Systems Development and Implementation (3) (F,S) (P: MIS 4163; P/C: MIS 3673)
5. **Electives to complete requirements for graduation.**

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

DEPARTMENT OF MARKETING AND SUPPLY CHAIN MANAGEMENT

Kenneth Anselmi, Chairperson, 3414 Bate Building

BSBA in Marketing

The Department of Marketing and Supply Chain Management offers a BSBA in marketing with concentrations in marketing, operations and supply chain management, and electronic commerce. Marketing and Supply Chain Management programs are concerned with the creation and delivery of value to customers and organizations. Marketing focuses on developing an understanding of customers and markets, creating products and services based on that understanding, and communicating and delivering the value added. Supply Chain Management focuses on the sourcing, operations, and logistics of products and services. Both areas of study involve the management of relationships. A marketing concentration prepares students for management careers in advertising, sales, research, distribution, product planning, and international marketing. Supply Chain Management graduates pursue career choices as managers of purchasing, inventory, logistics, operations, quality, and supply chains. The electronic commerce concentration prepares students for careers in web-based marketing and customer service. Minimum degree requirement is **120 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC) or CHEM 1020. General Descriptive Chemistry (4) (FC:SC) or GEOL 1700. Environmental Geology (4) (F,S) (FC:SC) or PHYS 1050. Physics and the Environment (4) (F,S,SS) (FC:SC)
   COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PHIL 2274. Business Ethics (3) (WI*) (F,S,SS) (FC:HU) or PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC: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 or 2119 or 2121 or 2171)
   ACCT 2521. Managerial Accounting (3) (F,S,SS) (P: ACCT 2401)
   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 3302. Management of Organizations (3) (F,S,SS) (P: ECON 2113, 2133; ACCT 2401)
   MGMT 4842. Business Policy (3) (WI) (F,S,SS) (P: OMGT 3123; FINA 3724; MKTG 3832; MGMT 3302; declared major in the College of Business; senior standing)
   MIS 2223. Introduction to Computers (3) (F,S,SS)
   MIS 3063. Introduction to Management Information Systems (3) (F,S,SS) (P: MIS 2223)
   MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
   OMGT 3123. Operations and Supply Chain Management (3) (F,S,SS) (P: MATH 2283 or 2283; MIS 2223)
   OMGT 3223. Business Decision Modeling (3) (F,S,SS) (P: Minimum grade of C in MIS 2223, MATH 1066 or 2119 or 2121 or 2171, 2283)
   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 3302)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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.

Electronic Commerce:

FINA 3824. Financial Analysis and Planning (3) (F,S) (P: FINA 3724)
MIS 4113. Data Base Management Systems (3) (F) (P: MIS 3063)
MIS 4123. Telecommunications and Networked Systems (3) (S) (P: MIS 3063)
MKTG 4532. Business and Organizational Marketing (3) (F,S) (P: MKTG 3832)
MKTG 4790. Distribution Management (3) (P: MKTG 3832)
MKTG 4975. Electronic Commerce (3) (F,S) (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) (F,S) (P: MKTG 3832)
MKTG 4790. Distribution Management (3) (P: MKTG 3832)

Operations and Supply Chain Management:

MKTG 4790. Distribution Management (3) (F) (P: MKTG 3832)
OMGT 4383. Supply Chain Systems (3) (S) (P: OMGT 3123)
OMGT 4493. Quality Management (3) (F) (P: OMGT 3123)
OMGT 4743. Logistics and Materials Management (3) (F) (P: OMGT 3123)
OMGT 4763. Supply Chain Management (3) (S) (P: OMGT 3123)
Choose 3 s.h. from:
MKTG 4532. Business and Organizational Marketing (3) (F,S) (P: MKTG 3832)
OMGT 4733. Project Management (3) (F,S) (P: OMGT 3123)

5. Electives to complete requirements for graduation.

Business Administration Minor

The minor requires **24 s.h.** of credit as follows:

ACCT 2101. Survey of Financial and Management Accounting (3) (F,S) (P: MATH 1065)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
FINA 2244. Legal Environment of Business (3) (F,S,SS)
FINA 3004. Survey of Financial Management (3) (F,S) (P: ACCT 2101 or 2401; ECON 2113; MATH 2283)
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.
MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 2113)
MIS 2223. Introduction to Computers (3) (F,S,SS)
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. 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).

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

As part of the foundations curriculum 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; ECON 2113*, 2133; ENGL 3880; FINA 2244*, 3724*; MGMT 3202*, 3352; MIS 2223*, 3063; 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 advisor or the assistant dean of graduate programs in the College 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 College of Business at the beginning of their senior year about the entry requirements.

COLLEGE OF EDUCATION

Linda Patriarca, Dean, 154 Speight Building
Vivian M. Covington, Director of Teacher Education

The mission of the College of Education is the preparation of professional educators and allied practitioners, including professionals in business information systems, counseling, instructional technology, and librarianship. Significant to this mission is a strong commitment to three important, related areas, all of which are realized through partnerships and other endeavors: 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. Critical to such commitment is the promotion of effective teaching, staff participation in the improvement of schools; and, in concert with other state agencies, the development and creation of educational policy for North Carolina.

The College of Education offers baccalaureate degree programs through the Departments of Business and Information Technologies Education; Curriculum and Instruction; and Mathematics and Science Education. 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 advisor 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. Teacher education is a program that requires formal admittance. Teacher education majors will become official teacher education candidates once they have been fully admitted to Upper Division. ***NOTE:*** *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

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, SAT or ACT or combination 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 Welcome to Teacher Education Handbook or www.ecu.edu/cs-educ/teached.

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.

Birth-K, Elementary, and Middle Grades

See Section 4, Academic Advisement, Progression, and Support, Special Requirements for the BS Degree for Students Preparing to Teach. See Licensure, below. See also the Department of Child Development and Family Relations (B-K) or Department of Curriculum and Instruction (elementary and middle grades). As part of their programs, majors will also complete an approved academic concentration from the list presented below. Students should consult their departmental advisor for specific program requirements.

Secondary and K-12 Special Subjects Education

See Section 4, Academic Advisement, Progression, and Support, Special Requirements for the BS Degree for Students Preparing to Teach. See Licensure, below. See also the Departments of Business and Information Technologies Education; Curriculum and Instruction; and Mathematics and Science Education as well as departments and schools outside the College of Education offering this degree.

Students who aspire to complete the requirements for a BS degree in secondary teacher education must complete all foundations curriculum requirements, the requirements stipulated by the department of the academic major, and the following

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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 advisor for specific program information.

ACADEMIC CONCENTRATIONS

Students in business education, elementary education, physical education, and health education are required to complete one 18 s.h. academic concentration. Middle grades education students are required to complete two 24 s.h. academic concentrations from English, mathematics, social studies, and general science only. Please consult your advisor for the appropriate concentration(s) in your area. A maximum of 6 s.h. can be counted toward foundations curriculum.

Anthropology (24 s.h.)

ANTH 2000. Archaeology Around the World (3) (F,S) (FC:SO)
ANTH 2010. Societies Around the World (3) (F,S,SS) (FC: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) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3003. Cultures of Africa (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3004. Cultures of the South Pacific (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3005. North American Indians (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3016. Cultures of the Caribbean (3) (S) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3017. Cultures of Mexico and Guatemala (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- ANTH 3018. Cultures of South and Central America (3) (EY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor)
- GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO)
- GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)

Choose 9 s.h. ANTH electives of which 6 s.h. must be above 2999

Biology (24 s.h.)

BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
BIOL 1060. Environmental Biology (4) (F,S,SS) (FC: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 (3,1) (F,S,SS) (FC: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) (FC: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) (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. Elementary Inorganic Chemistry (3) (S) (P: CHEM 2250, 2251; C: CHEM 3451)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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/CC

CHEM 3451. Elementary Inorganic Chemistry Laboratory (1) (WI) (F,S) (P: CHEM 2250, 2251; C: CHEM 3450 or 5550)
CHEM 3850, 3851. Introduction to Physical Chemistry (4,1) (WI, WI) (F) (P: CHEM 1160, 1161; MATH 2122 or 2172; PHYS 1260, 1261)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (FC: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) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
Choose recommended electives above 2999

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) (FC:SO)
Choose 9 s.h. CDFR electives above 2999

Communications Technologies (24 s.h.)

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)
ASIP 4500. Information Processing Systems Design (3) (F,S) (P: ASIP 2212, 2213, 2500; or equivalent)
ICTN 2154, 2155. Digital Communication Systems (3,0) (F,S) (P: ICTN 1500; RP/C: ICTN 2000)
ICTN 2158, 2159. Computer Networking Technology (3) (F,S) (P: ICTN 2154)
ITEC 2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S). (P: MATH 1065 or 1066 or 1085 or 2119)
Choose 3 s.h. from:
ASIP 4300. Administrative Office Procedures (3) (F,S)
ASIP 5200, 5201. Microcomputer Business Graphics Applications (3,0) (P: ASIP 4200 or consent of instructor)
ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)

Economics (24 s.h.)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
ECON 3144. Intermediate Microeconomics (3) (F,S) (FC:SO) (P: ECON 2113)
ECON 3244. Intermediate Macroeconomics (3) (F,S) (FC: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) (FC:HU) (P: ENGL 1100)
ENGL 2100. Major British Writers (3) (F,S) (WI) (FC:HU) (P: ENGL 1200) or ENGL 2200. Major American Writers (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 2700. Introduction to Language Studies (3) (WI) (F,S) (FC: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. African American Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3300. Women and Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3450. Northern European Mythology (3) (WI) (F,S-OY) (FC:HU) (P: ENGL 1200)

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ENGL 3460. Classical Mythology (3) (F) (FC:HU) (P: ENGL 1200)
ENGL 3570. American Folklore (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (FC:HU) (P: ENGL 1200)
ENGL 3630. The Bible as Literature (3) (WI) (S) (FC:HU) (P: ENGL 1200)
ENGL 4360. World Literature in English (3) (WI) (S-EY) (FC: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) (FC:HU) (P: FREN 1004)
FREN 2441. Readings in the Culture of France II (3) (FC:HU) (P: FREN 1004)
FREN 2442. Readings in the Francophone Cultures of the Americas (3) (FC:HU) (P: FREN 1004)
FREN 2443. Readings in the Francophone Cultures of Africa (3) (FC:HU) (P: FREN 1004)
Choose 8 s.h. FREN electives above 2999

General Science (18 s.h.)

SCIE 3602. Investigations in Physical and Earth Science (4) (F,S,SS)
SCIE 3604. Investigations in Life and Environmental Science (4) (F,S,SS)
Choose two of the following four:
BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
CHEM 1020. General Descriptive Chemistry (4) (F,S) (FC:SC)
GEOL 1500. Dynamic Earth (3) (F,S,SS) (FC:SC)
PHYS 1250. General Physics (3) (F,S,SS) (FC:SC) (P: MATH 1065 or 1066)
Choose one of the following two:
SCIE 3350, 3351. Descriptive Astronomy (4,0) (F)
SCIE 3360, 3361. Physical Meteorology (4,0) (S)

General Science (24 s.h.)

BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
CHEM 1020. General Descriptive Chemistry (4) (F,S) (FC:SC)
GEOL 1500. Dynamic Earth (3) (F,S,SS) (FC:SC)
PHYS 1250. General Physics (3) (F,S,SS) (FC:SC) (P: MATH 1065 or 1066)
SCIE 3602. Investigations in Physical and Earth Science (4) (F,S,SS)
SCIE 3604. Investigations in Life and Environmental Science (4) (F,S,SS)
Choose one of the following:
SCIE 3350, 3351. Descriptive Astronomy (4,0)
SCIE 3360, 3361. Physical Meteorology (4,0)

Geography (24 s.h.)

GEOG 1000. Introduction to Geography (3) (F,S,SS) (FC:SO)
GEOG 1200. Introduction to Physical Geography (3) (F) (RC: GEOG 1201)
GEOG 2003. Geography of the Global Economy (3) (F,S) (FC:SO)
GEOG 3046. United States and Canada (3) (F) (FC:SO)
Choose 3 s.h. GEOG elective selected in consultation with advisor
Choose 3 s.h. from:
GEOG 3047. Western Europe (3) (S) (FC:SO)
GEOG 3049. South America (3) (WI) (F) (FC:SO)

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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/CC

GEOG 3050. Africa (3) (WI) (S) (FC:SO)
GEOG 3051. Asia (3) (S) (FC:SO)
GEOG 3055. North Carolina (3) (F) (FC:SO)
GEOG 3056. Middle America (3) (FC:SO)
Choose 6 s.h. GEOG electives above 2999

Geology (24 s.h.)

GEOL 1500. Dynamic Earth (3) (F,S,SS) (FC:SC)
GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (FC:SC) (C: GEOL 1500)
GEOL 1550. Oceanography (4) (S) (FC:SC)
GEOL 1600. Earth and Life Through Time (4) (S) (FC:SC)
Choose 12 s.h. GEOL electives above 2999

German (24 s.h.)

GERM 2210. Intermediate German Composition and Conversation I (3) (P: GERM 1004 or consent of dept chair)
GERM 2211. Intermediate German Composition and Conversation II (3) (P: GERM 1004 or consent of dept chair)
GERM 2300. Introduction to German Literature (3) (P: GERM 1004 or consent of dept chair)
GERM 2420. Culture of the German Speaking World (3) (P: GERM 1004 or consent of dept chair)
GERM 3210. Conversation (3) (P: GERM 2210, 2211, 2300, 2420 or consent of dept chair)
GERM 3330. Composition and Advanced Grammar (3) (P: GERM 2210, 2211, 2300, 2420 or consent of dept chair)
Choose 6 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: Minimum grade of B in 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) (P: Minimum grade of B in 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) (FC: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) (FC:SO)
HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
Choose 12 s.h. HIST electives of which 9 s.h. must be above 2999

Interdisciplinary Human Studies (18 s.h.)

Choose 9 s.h. from the following:
EXSS 2900. Teaching Skillful Movement (3) (F,S,SS) (P: EXSS 2323; P/C: EXSS 2202)
EXSS 3300. Applied Sports Psychology (3) (F) (P: PSYC 1000)
EXSS 3301. Physical Education and Sport in Modern Society (3) (F,SS)
EXSS 3900. Elementary School Instruction in Physical Education (3) (F,S) (P: Upper division standing; EXSS 2122, 2500, 2600, 2700, 2900)
HLTH 3020. Health Problems II (3) (F,S,SS) (P: HLTH 1000 or 1050; HLTH 3010 or consent of instructor)

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HLTH 3030. Health Behavior Theory (3) (WI) (S) (P: HLTH 1000 or 1050; 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) (FC:SO)
PSYC 4350. Psychology of Sexual Behavior (3) (F,S) (P: 6 s.h. of PSYC to include PSYC 1000 or 1060)
REHB 2003. Alcohol and Drug Abuse: Health and Social Problems (3) (F,S)
SOCI 1025. Courtship and Marriage (3) (F,S)
SOCI 3325. Sociology of Human Sexuality (3) (F,S,SS) (FC:SO) (P: SOCI 2110 or consent of instructor)

Choose 9 s.h. from the following:
BIOL 2130. Human Anatomy and Physiology (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or 1100, 1101)
EHST 2110. Introduction to Environmental Health Science (3) (F,S)
EXSS 2202. Motor Learning and Performance (3) (F,S,SS)
EXSS 3805. Exercise Physiology (3) (F,S,SS) (P: Health and human performance major or minor or consent of chair; BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2805)
EXSS 3850. Introduction to Biomechanics (3) (F, S, SS) (P: BIOL 2130 or BIOL 2140; 2150, 2151; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
EXSS 3906. Physical Education for Special Populations (3) (F,S,SS) (P: Upper division standing; EXSS 2323; SPED 2000; or consent of instructor)
EXSS 4804. Measurement and Evaluation in Exercise and Sport Science (3) (F,S,SS) (P: Upper division standing; EXSS 2323; MATH 1065; health and human performance major or minor or consent of chair)
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)
HLTH 2125, 2126. First Aid and CPR (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
HLTH 3010. Health Problems I (3) (F) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
NUTR 1000. Contemporary Nutrition (3) (F,S,SS) or NUTR 2105. Nutrition (3) (F,S,SS)

Mathematics (18 s.h.)

MATE 1267. Functional Relationships (3) (S) (P: MATH 1065 or equivalent)
MATE 2067. Data and Probability Explorations (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3067. Algebra and Number Foundations (3) (F, S) P: MATH 1065 or equivalent.
MATE 3167. Geometry and Measurement (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3267. Concepts in Discrete Mathematics (3) (S) (P: MATE 3067)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on math placement test)

Mathematics (24 s.h.)

MATE 1267. Functional Relationships (3) (S) (P: MATH 1065 or equivalent)
MATE 2067. Data and Probability Explorations (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3067. Algebra and Number Foundations (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3167. Geometry and Measurement (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3267. Concepts in Discrete Mathematics (3) (S) (P: MATE 3067)
MATE 3367. Mathematical Modeling (3) (S) (P: MATE 1267, 2267, 3067, and 3167)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on math placement test)
MATH 2119. Elements of Calculus (3) (F,S,SS) (FC:MA) (P: MATH 1065 with minimum grade of C)

Philosophy (24 s.h.)

PHIL 1110. Introduction to Philosophy (3) (WI*) (F,S,SS) (FC:HU)
PHIL 1175. Introduction to Ethics (3) (WI*) (F,S,SS) (FC:HU)
PHIL 1500. Introduction to Logic (3) (F,S,SS) (FC:HU) (FC:MA)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 4270. Ethics (3) (WI*) (FC: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) (FC:MA) (P: Appropriate score on mathematics placement test)
MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (FC: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) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
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) (FC: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) (FC:SO)
PSYC 2101. Psychological Statistics (4) (F,S,SS) (FC:SO) (P: MATH 1065 or MATH 1066) 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) (FC:SO) (P: PSYC 1000 or 1060)
PSYC 3225. Psychology of Learning (3) (F,S,SS) (FC:SO) or PSYC 3226. Cognitive Psychology (3) (F,S,SS) (FC:SO)
PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 3206 or 3240 or equivalent)
PSYC 4333. Learning Theories and Applications (3) (P: PSYC 1000)
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 and admission to upper division)
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 (1) (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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Social Studies (24 s.h.)

ANTH 3002. Cultures of East Asia (3) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor) or GEOG 3049. South America (3) (WI) (F) (FC:SO) or GEOG 3051. Far East (3) (S) (FC:SO) or HIST 3611. History of the Far East Since 1600 (3) (FC:SO)
ANTH 3003. Cultures of Africa (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor) or GEOG 3050. Africa (3) (S) (FC:SO) or HIST 3710. Introduction to Latin-American History: Colonial Period (3) (WI*) (FC:SO) or HIST 3711. Introduction to Latin-American History: Since 1808 (3) (FC:SO) or HIST 3810. History of Africa (3) (WI*) (FC:SO)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
HIST 3100. North Carolina History (3) (FC:SO)
POLS 1010. National Government (3) (F,S,SS) (FC:SO) or POLS 3265. African Political Systems (3) (S) (FC:SO)

Sociology (24 s.h.)

SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
SOCI 2111. Modern Social Problems (3) (F,S,SS) (FC:SO) (P: SOCI 2110)
SOCI 3222. Rural Sociology (3) (FC:SO) or SOCI 3225. Urban Sociology (3) (FC:SO) (P: SOCI 2110) or SOCI 3235. Population Trends and Problems (3) (FC: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) (FC:HU) (P: ENGL 1200)
ENGL 2740. Language in the USA (3) (F) (FC: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) (FC: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 12 s.h. at East Carolina University before they are eligible to apply.

Steps in admission to upper division include:

1. Satisfactory completion of 16-hour early field experience with minimum grade of C, normally as part of departmental 2123 or 2611 courses.
2. Passing scores on PRAXIS I, SAT or ACT or combination.
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 advisor.)
4. Satisfactory completion of essay and departmental interview.
5. Completion of technology competencies. (See advisor.)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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 the Latham Clinical Schools Network. Students are strongly discouraged from working during their internship. For applications and more detailed information, consult Welcome To Teacher Education Handbook, available in the student stores and online.

Administration of the internship is provided by clinical experiences coordinators, who work with the director of teacher education, department chairs, the teacher education staff, and local school personnel.

A minimum grade of C in the internship and a minimum 2.5 GPA 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; EDTC 4001; ELEM 2123, 3235, 3236, 3250, 4525, 4550, 4551; MATE 3350, 3351, 3360; READ 3204, 3210; SCIE 3216; SPED 4010.

A minimum 2.5 is required for admission to the English education program. Students must have a minimum grade of C in EDTC 4001; EDUC 4400 or PSYC 4305; ENED 2123, 3815, 4323, 4960; ENGL 2000, 2700, 3000, 3010, 3020; PSYC 3206; in READ 3990 or 5317; and in SPED 2000, 4010.

Middle grades education majors 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; 4400 or PSYC 4305; and SPED 4010.

Special education majors must have earned a minimum grade of C in EDUC 3200; READ 3204; all SPED courses taken; and in COMM 2410 or 2420. They must have also successfully completed MATE 3050, 3051, 3060 and MUSC 3048. Special education – General Curriculum majors must also have earned a minimum grade of C in ELEM 3250.

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, GERM, and SPAN). (Note: The methods course, EDUC 4400, and SPED 4010 should be taken concurrently.)

LICENSURE

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.* To be eligible for teacher licensure in North Carolina, the student must complete the following: a history course; a literature course; MATE 1067 or MATH 1065 or 1066 or 1067 or 2127; PSYC 1000; and PSYC 3206 for secondary and K-12 programs. MATH 1050 is not accepted. 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 all teaching areas. For a clear NC teaching license and to meet federal guidelines of the No Child Left Behind Act, individuals must be highly qualified.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Twenty-four hours of content area courses or PRAXIS II test(s) are needed to be licensed with the exception of the areas of elementary and special education. PRAXIS II tests are required for those areas. 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 College of Education or designee recommends the issuance of the proper teacher, special services personnel, 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.

DEPARTMENT OF BUSINESS AND INFORMATION TECHNOLOGIES EDUCATION

Ivan G. Wallace, Chairperson, 2318 Bate Building

The mission of the Department of Business and Information Technologies Education is to prepare and develop professionals in workforce preparedness education and information technologies. The department offers undergraduate programs of study in business 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:
NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum and special requirements for certification (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   ART 1910. Art Appreciation (2) (F,S) (FC:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   HIST 2012. American Business History (3) (WI*) (F) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   Choose a literature course (FC:HU)
   Choose a speech course (FC:FA)
2. **Professional studies .....21 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 4324. Internship in Workforce Preparedness Education (10) (S) (P: Admission to upper division; C: BVTE 4325)
   BVTE 4325. Internship Seminar: Issues in Workforce Preparedness Education (0) (S) (P: Admission to upper division; C: BVTE 4324)
   EDUC 3200. Introduction to American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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) (P: Admission to upper division; RP: SPED 2000)

3. **Common core.....45 s.h.**
ASIP 2212. Basic Programming for Business Applications (3,0) (F,S,SS) (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,SS) (P: ASIP 1500 or consent of instructor)
ASIP 3220. Business Communications (3) (F,S,SS) (WI) (P: ENGL 1200)
ASIP 3228. Administrative Management (3) (F,S,SS)
ASIP 3311. Financial Information Systems II (3) (F,S,SS) (P: ASIP 2311)
ASIP 3500. Electronic Information Processing III (3) (F,S,SS) (P: ASIP 2500 or equivalent)
ASIP 4200. Microcomputer Business Applications (3) (F,S,SS) (P: ASIP 2500 or consent of instructor)
ASIP 4500. Information Processing Systems Design (3) (F,S,SS) (P: ASIP 2212, 2500; or equivalent)
BVTE 3200. Distribution Technology I: Merchandising (3) (F,S,SS)
BVTE 4323. Methods of Teaching Workforce Preparedness Education (3) (F,S) (P/C: PSYC 4305 or consent of instructor)
BVTE 4390. Consumer Financial Management (3) (WI) (F,S,SS)
BVTE 4400. Administration and Supervision of Workforce Preparedness Education Programs (3) (S,SS)
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 foundations curriculum 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:
NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum and special requirements for certification (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
ART 1910. Art Appreciation (2) (F,S) (FC:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (FC:FA)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
HIST 2012. American Business History (3) (WI*) (F) (FC:SO)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
Choose a literature course (FC:HU)
Choose a speech course (FC:FA)

2. **Professional studies .....21 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 4324. Internship in Workforce Preparedness Education (10) (S) (P: Admission to upper division; C: BVTE 4325)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BVTE 4325. Internship Seminar: Issues in Workforce Preparedness Education (0) (S) (P: Admission to upper division; C: BVTE 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) 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) (P: Admission to upper division; RP: SPED 2000)

3. **Common core.....48 s.h.**
ASIP 2212, 2213. Basic Programming for Business Applications (3,0) (F,S,SS) (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,SS) (P: ASIP 1500 or consent of instructor)
ASIP 3220. Business Communications (3) (F,S,SS) (WI) (P: ENGL 1200)
ASIP 3228. Administrative Management (3) (F,S,SS)
ASIP 3311, 3312. Financial Information Systems II (3,0) (F,S,SS) (P: ASIP 2311)
ASIP 4200. Microcomputer Business Applications (3,0) (F,S,SS) (P: ASIP 2500 or consent of instructor)
ASIP 4500. Information Processing Systems Design (3) (F,S,SS) (P: ASIP 2212, 2500; or equivalent)
BVTE 3200. Distribution Technology I: Merchandising (3) (F,S,SS)
BVTE 3301. Distribution Technology II: Promotion (3) (F,S,SS) (P: ECON 2113)
BVTE 3302. Distribution Technology III: Selling (3) (F,S,SS)
BVTE 4323. Methods of Teaching Workforce Preparedness Education (3) (F,S) (P/C: PSYC 4305 or consent of instructor)
BVTE 4390. Consumer Financial Management (3) (WI) (F,S,SS)
BVTE 4400. Administration and Supervision of Workforce Preparedness Education Programs (3) (S,SS)
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 foundations curriculum 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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
ART 1910. Art Appreciation (2) (F,S) (FC:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (FC:FA)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
HIST 2012. American Business History (3) (WI*) (F) (FC:SO)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
Choose a literature course (FC:HU)
Choose a speech course (FC:FA)

2. **Core.....79 s.h.**
ASIP 1500, 1501. Electronic Information Processing I (3,0) (F,S,SS)
ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS)
ASIP 2212, 2213. Basic Programming for Business Applications (3,0) (F,S,SS) (P: ASIP 2112 or equivalent)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

ASIP 2311, 2312. Financial Information Systems I (3,0) (F,S,SS)
ASIP 2500, 2501. Electronic Information Processing II (3,0) (F,S,SS) (P: ASIP 1500 or consent of instructor)
ASIP 3220. Business Communications (3) (F,S,SS) (WI) (P: ENGL 1200)
ASIP 3228. Administrative Management (3) (F,S,SS)
*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 (3,0) (F,S,SS) (P: ASIP 2311)
ASIP 3500, 3501. Electronic Information Processing III (3,0) (F,S,SS) (P: ASIP 2500 or equivalent)
ASIP 4200, 4201. Microcomputer Business Applications (3,0) (F,S,SS) (P: ASIP 2500 or consent of instructor)
ASIP 4300. Administrative Office Procedures (3) (F,S,SS)
ASIP 4500. Information Processing Systems Design (3) (F,S,SS) (P: ASIP 2212, 2500; or equivalent) or MIS 3063. Introduction to Management Information Systems (3) (F,S,SS) (P: ACCT 2521)
ASIP 5200, 5201. Microcomputer Business Graphics Applications (3,0) (F,S,SS) (P: ASIP 4200 or consent of instructor) or MIS 4133. Information Systems Management (3) (WI) (F,S) (P: MIS 3063)
BVTE 3200. Distribution Technology I: Merchandising (3) (F,S,SS)
BVTE 3301. Distribution Technology II: Promotion (3) (F,S,SS)
BVTE 4390. Consumer Financial Management (3) (WI) (F,S,SS)
ENGL 2730. Functional Grammar (3) (WI) (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 3302) or 3 s.h. major electives above 2999
PSYC 3221. Social Psychology (3) (F,S,SS) (FC:SO) or PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC: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.

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:
NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum and special requirements for certification (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   ART 1910. Art Appreciation (2) (F,S) (FC:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO) or ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   HIST 2012. American Business History (3) (WI*) (F) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   Choose a literature course (FC:HU)
   Choose a speech course (FC:FA)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

2. **Professional studies .....21 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 4324. Internship in Workforce Preparedness Education (10) (S) (P: Admission to upper division; C: BVTE 4325)
   BVTE 4325. Internship Seminar: Issues in Workforce Preparedness Education (0) (S) (P: Admission to upper division; C: BVTE 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) 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) (P: Admission to upper division; RP: SPED 2000)
3. **Common core.....45 s.h.**
   ASIP 2311, 2312. Financial Information Systems I (3,0) (F,S,SS)
   ASIP 3220. Business Communications (3) (F,S,SS) (WI) (P: ENGL 1200)
   ASIP 4200. Microcomputer Business Applications (3,0) (F,S,SS) (P: ASIP 2500 or consent of instructor)
   BVTE 3200. Distribution Technology I: Merchandising (3) (F,S,SS)
   BVTE 3301. Distribution Technology II: Promotion (3) (F,S,SS) (P: ECON 2113)
   BVTE 3302. Distribution Technology III: Selling (3) (F,S,SS)
   BVTE 4323. Methods of Teaching Workforce Preparedness Education (3) (F,S) (P/C: PSYC 4305 or consent of instructor)
   BVTE 4390. Consumer Financial Management (3) (WI) (F,S,SS)
   BVTE 4400. Administration and Supervision of Workforce Preparedness Education Programs (3) (S)
   BVTE 5389. Seminar in Business and Marketing Education (3) (F,S,SS)
   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 foundations curriculum 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.**

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,SS)
ASIP 3220. Business Communications (3) (F,S,SS) (WI) (P: ENGL 1200)
BVTE 3200. Distribution Technology I: Merchandising (3) (F,S,SS)
BVTE 3301. Distribution Technology II: Promotion (3) (F,S,SS) (P: ECON 2113)
BVTE 3302. Distribution Technology III: Selling (3) (F,S)
BVTE 5389. Seminar in Business and Marketing Education (3) (F,S,SS)
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 advisor

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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,SS)
ASIP 2500, 2501. Electronic Information Processing II (3,0) (F,S,SS) (P: ASIP 1500 or consent of instructor)
ASIP 3220. Business Communications (3) (F,S,SS) (WI) (P: ENGL 1200)
ASIP 3228. Administrative Management (3) (F,S,SS)
ASIP 3311, 3312. Financial Information Systems II (3,0) (F,S,SS) (P: ASIP 2311)
ASIP 3500, 3501. Electronic Information Processing III (3,0) (F,S,SS) (P: ASIP 2500 or equivalent)
ASIP 4200, 4201. Microcomputer Business Applications (3,0) (F,S,SS) (P: ASIP 2500 or consent of instructor)
ASIP 4500. Information Processing Systems Design (3) (F,S,SS) (P: ASIP 2212, 2500; or equivalent)

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Department Office, 122 Speight Building

The mission of the Department of Curriculum and Instruction is to prepare pre-service and in-service teachers in the areas of elementary education, English education, history education, middle grades education, and special education. The department faculty is committed to providing comprehensive programs, rich in clinical experiences, and designed to produce teachers who are reflective practitioners who provide professional service to the community, the state, and the nation. Bachelor of science degrees are offered in elementary education, English education, history education, middle grades education, and in two areas of special education: general curriculum and adapted curriculum. The reading, foundations, and research program areas are also housed within the Department of Curriculum and Instruction and provide support for the university's teacher education programs.

Reading Center

The Reading Center is designed to aid college students with reading difficulties. 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:
NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h**
   ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (FC:SO) or ANTH 2005. Environmental Anthropology (3) (S) (FC:SO) or ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO) or ETHN 2002. Introduction to Ethnic Studies: Social Science (3) (FC:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO) or POLS 1010. National Government (3) (F,S,SS) (FC:SO)
   ART 3850. Art in the Elementary School (3) (F,S,SS) (P: Junior standing)
   GEOG 1000. Introduction to Geography (3) (F,S,SS) (FC:SO) or GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
   HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 3100. North Carolina History (3) (FC:SO) or HIST 3110. History of African Americans (3) (FC:SO) or HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO) or HIST 3611. History of the Far East Since 1600 (3) (FC:SO) or HIST 3711. Introduction to Latin-American History: Since 1808 (3) (WI*) (FC:SO) or HIST 3810. History of Africa (3) (WI*) (FC:SO)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (F,S,SS) (FC:FA)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
Choose 4 s.h. BIOL (FC:SC)
Choose 4 s.h. CHEM, PHYS, or GEOL (FC:SC)
Choose 3 s.h. literature, except children's literature (FC:HU)

2. Professional studies .....25 s.h.

EDTC 4001. Technology in Education (2) (F,S,SS) (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)
ELEM 4324. Internship in the Elementary School (10) (F,S) (P: Admission to upper division; EDTC 4001; EDUC 4400 or PSYC 4305; ELEM 3236, 3250, 4525, 4551; MATE 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)
READ 3204. Fundamentals of Reading (3) (F,S,SS) (P: ELEM 3250)
SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (P: Admission to upper division; RP: SPED 2000)

3. Academic concentration (See Academic Concentration, above. A maximum of 6 s.h. may be counted in foundations curriculum requirements.) **.....18 s.h.**

4. Specialty area .....43 s.h.

ELEM 3235. Curriculum and Instruction in the Elementary School (4) (F,S,SS) (P: ELEM 2123, 3275; 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) (WI) (F,S,SS)
ELEM 3275. Early Childhood and Elementary School Curriculum (3) (F,S,SS) (P: Sophomore standing; P/C: ELEM 2123 or CDFR 2123)
ELEM 4525. Classroom Organization and Management in the Early Childhood and Elementary School (3) (F,S) (P: Admission to upper division; ELEM 3235, ELEM 4550)
ELEM 4526. Practicum in Classroom Organization and Management (1) (F,S) (P: Admission to upper division; ELEM 3235, 3236; C: ELEM 4324, 4325)
ELEM 4550. Social Studies in the Early Childhood and Elementary School (3) (WI) (F,S) (P: Minimum of 9 s.h. in social studies content courses; admission to upper division; ELEM 3235; C: ELEM 4551)
ELEM 4551. Practicum in Teaching Social Studies in the Elementary School (1) (F,S) (P: Upper division standing; C: ELEM 4550)
EXSS 3545. Practices and Procedures in Physical Education for Elementary Schools (2) (F,S,SS) (P: ELEM major or consent of instructor)
HLTH 3244. Practices and Procedures in Health for Elementary School (2) (F,S,SS)
MATE 3050. Mathematics and Methods for Grades Pre-K-2 (3) (F,S,SS) (P: Foundations Curriculum mathematics course. C: MATE 3051)
MATE 3051. Field Experience in Mathematics Grades K-2 (1) (F, S,SS) (P: Foundations Curriculum mathematics course. C: MATE 3050)
MATE 3060. Mathematics and Methods for Grades 3-6 (4) (F,S,SS) (P: Admission to upper division; MATE 3050)
PSYC 2201. Psychology of Childhood (3) (F,S,SS) (P: PSYC 1000 or 1060 or equivalent) or PSYC 3206. Developmental Psychology (3) (F,S,SS)
READ 3210. Assessment, Design, and Implementation of Elementary Classroom Reading Instruction (3) (F,S,SS) (P: Admission to upper division, READ 3204)
SCIE 3216. Teaching Science in the Elementary School (3) (F,S,SS)
SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

5. Cognate ..... 3 s.h.

ENGL 4950. Literature for Children (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200) or LIBS 4950. Literature for Children (3) (WI) (S)

Electives to complete requirements for graduation

BS in English, Secondary Education

A minimum 2.5 GPA is required for admission to the BS program. English education majors must have a minimum grade of C in EDTC 4001; EDUC 4400 or PSYC 4305; ENED 2123, 3815, 4323, 4960; ENGL 2000, 2700, 2710, 3000, 3010, 3020; PSYC 3206; READ 3990 or 5317; and SPED 4010. See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. Foundations curriculum plus special requirements for licensure (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below..... 42 s.h.

PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)

PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

ENGL 2000. Interpreting Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)

2. Foreign language through level 1004 ..... 12 s.h.

3. Core (exclusive of freshman composition) ..... 39 s.h.

ENED 3815. Composition Instruction in Grades 9-12 (3) (WI) (F,S,SS) (P: ENED 2123 or consent of dept chair)

ENED 4323. The Teaching of English in High School (3) (F,S) (P: Admission to upper division; ENED 4960)

ENED 4960. Literature for High School (3) (WI) (F)

ENGL 2700. Introduction to Language Studies (3) (F,S) (FC:HU) (P: ENGL 1200)

ENGL 2710. English Grammar (3) (F,S,SS) (P: ENGL 1200)

ENGL 3000. History of British Literature to 1700 (3) (WI) (FC:HU) (P: ENGL major, minor, or consent of dept; ENGL 1200)

ENGL 3010. History of British Literature, 1700-1900 (3) (WI) (F,S) (FC:HU) (P: ENGL major, minor, or consent of dept; ENGL 1200)

ENGL 3020. History of American Literature to 1900 (3) (WI) (F,S) (FC:HU) (P: ENGL major, minor, or consent of dept; ENGL 1200)

Choose 3 s.h. from:

ENGL 4070. Shakespeare: The Histories (3) (WI) (F-EY) (FC:HU) (P: ENGL 1200)

ENGL 4080. Shakespeare: The Comedies (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)

ENGL 4090. Shakespeare: The Tragedies (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)

Choose 3 s.h. from:

ENGL 3240. U.S. Latino/a Literature (3) (WI) (F) (FC:HU) (P: ENGL 1200)

ENGL 3250. Native American Literature (3) (WI) (S) (FC:HU) (P: ENGL 1200)

ENGL 3260. African American Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)

ENGL 3300. Women in Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)

ENGL 4340. Ethnic American Literature (3) (WI) (S-OY) (FC:HU) (P: ENGL 1200)

ENGL 4360. World Literature in English. (3) (WI) (S-OY) (FC:HU) Formerly ENGL 3100 (P: ENGL 1200)

Choose 3 s.h. from:

CLAS 2000. Introduction to Classics (3) (WI*) (FC:HU)

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

CLAS 2500. Greek Tragedy in Translation (3) (FC:HU)

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

ENGL 3460. Classical Mythology (3) (WI) (FC: HU) (P: ENGL 1200)

ENGL 3600. Classics from Homer to Dante (3) (WI) (FC: HU) (P: ENGL 1200)

ENGL 3450. Northern European Mythology (3) (WI) (F,S-OY) (FC:HU)

Choose 6 s.h. from any 4000- or 5000-level literature course, excluding ENED 4970; ENGL 4230, 4910, 4920, 4950

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

4. **Professional courses..... 25-26 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)
   ENED 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: ENGL 1200)
   ENED 4324. Internship in English (10) (F,S) (P: Admission to upper division; a minimum grade of C in ENED 2123, 3815, 4323, 4960; EDTC 4001; EDUC 3200; PSYC 3206; PSYC 4305 or EDUC 4400; SPED 4010)
   ENED 4325. Internship Seminar: Issues in English Education (2) (F,S) (P: Admission to upper division; C: ENED 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) (P: Admission to upper division; 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, 3750, 5501, 5502, 5503, and 5504.

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 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **128 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum and special requirements for Licensure (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   Choose a literature course
   May count cognates in 4., below, that also meet foundations curriculum 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) (FC:SO)
   HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
   HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO)
   HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
   HIST 3000. History: Its Nature and Method (3) (WI*) (F,S) (FC: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 foundations curriculum social science requirement.) .....27 s.h.**
   ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (FC:SO) or ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
POLS 1010. National Government (3) (F,S,SS) (FC:SO)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC: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,SS) (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)
HIED 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: 6 s.h. in HIED and 6 s.h. from other social sciences)
HIED 4323. The Teaching of Social Studies in High School (3) (F) (P: Admission to upper division)
HIED 4324. Internship in Social Studies (10) (S) (P: Admission to upper division; C: HIED 4325)
HIED 4325. Internship Seminar: Issues in Social Studies Education (0) (S) (P: Admission to upper division; C: HIED 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) (P: Admission to upper division; RP: SPED 2000)

6. Electives to complete requirements for graduation.

BS in Middle Grades Education

See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:
NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.
ANTH 2010. Societies Around the World (3) (F,S,SS) (FC:SO) or GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO) or ECON 2113. Microeconomics (3) (F,S,SS) (FC:SO)
ART 1910. Art Appreciation (2) (F,S,SS) (FC:FA) or DNCE 1000. Introduction to Dance (2) (F,S,SS) (FC:FA) or MUSC 2208. Music Appreciation (2) (F,S,SS) (FC:FA) or THEA 1000. Introduction to Theatre (3) (F,S,SS) (FC:FA)
HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1030. World Civilizations to 1550 (3) (F,S,SS) (FC:SO) or HIST 1031. World Civilizations since 1550 (3) (F,S,SS) (FC:SO)
MATH 1065. College Algebra (3) (F,S) (FC:MA) (P: Appropriate score on mathematics placement test)
POLS 1010. National Government (3) (F,S,SS) (FC:SO)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
A literature course (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1100)
Choose 4 s.h. BIOL (FC:SC)
Choose 4 s.h. CHEM, PHYS, or GEOL (FC:SC)
Choose 5 s.h. humanities and/or fine arts

2. Professional studies .....25-26 s.h.
EDTC 4001. Technology in Education (2) (F,S,SS) (P: Admission to upper division)
EDUC 3200. Introduction to American Education (3) (WI*) (F,S,SS) (P: Early experience course or consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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)
MIDG 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: Sophomore standing or consent of instructor)
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, HIED, MATE, 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) (F,S,SS)
SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (P: Admission to upper division)
A methods course (4319) is required for certification in each of the 2 academic concentrations leading to middle grades licensure. No substitutions for methods classes may be made without special MIDG program approval.

3. Specialty area ..... 22 s.h.

MIDG 3001. Early Experience Through an Introduction to Middle Grades Education (3) (WI) (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) (S,SS) (P: MIDG 2123, 3001 or approval by area coordinator; upper division standing)
MIDG 4010. Instructional Evaluation in Middle Grades (3) (WI) (F) (P: Upper division standing; MIDG 3010, 3022; C: Choose 2 from ENED or MIDG; or HIED or MATE or SCIE 4319)
Choose two of the following four methods courses (total of 6 hours):
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 4010; HIED or MATE or SCIE 4319)
HIED 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 4010; MIDG 4319 or SCIE 4319 or MATE 4319)
MATE 4319. Teaching Mathematics in the Middle Grades (3) (F) (P: Admission to upper division; EDUC 3200; MIDG 3010, 3022; C: MIDG 4010; HIED or MIDG or SCIE 4319 or consent of instructor)
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 4010; HIED or MATE or MIDG 4319)

4. Academic concentration: 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. A total of 6 credit hours in each concentration may be double counted in foundations curriculum or specialty area.

English (24 s.h.)

ENGL 2000. Interpreting Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1100)
ENGL 2100. Major British Writers (3) (F,S) (WI) (FC:HU) (P: ENGL 1200) or ENGL 2200. Major American Writers (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 2700. Introduction to Language Studies (3) (WI) (F,S) (FC: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) or ENED 3815. Composition Instruction in Grades 9-12 (3) (WI) (F,S) (P: ENED 2123 or department consent)
Choose one from:
ENGL 3260. African American Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3300. Women and Literature (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3450. Northern European Mythology (3) (WI) (F,S-OY) (FC:HU) (P: ENGL 1200)
ENGL 3460. Classical Mythology (3) (WI*) (F) (FC:HU) (P: ENGL 1200)
ENGL 3570. American Folklore (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (FC:HU) (P: ENGL 1200)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 3630. The Bible as Literature (3) (WI) (S) (FC:HU) (P: ENGL 1200)
ENGL 4360. World Literature in English (3) (WI) (S-EY) (FC:HU) (P: ENGL 1200)
Choose 9 s.h. ENGL electives of which 6 s.h. must be above 2999

General Science (24 s.h.)

BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
CHEM 1020. General Descriptive Chemistry (4) (F,S) (FC:SC)
GEOL 1500. Dynamic Earth (3) (F,S,SS) (FC:SC)
PHYS 1250. General Physics (3) (F,S,SS) (FC:SC) (P: MATH 1065 or 1066)
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 one of the following:
SCIE 3350, 3351. Descriptive Astronomy (4,0) (F)
SCIE 3360, 3361. Physical Meteorology (4,0) (S)

Social Studies (24 s.h.)

ANTH 3002. Cultures of East Asia (3) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor) or GEOG 3049. South America (3) (WI) (F) (FC:SO) or GEOG 3051. Far East (3) (S) (FC:SO) or HIST 3611. History of the Far East Since 1600 (3) (FC:SO) or ANTH 3003. Cultures of Africa (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor) or GEOG 3050. Africa (3) (S) (FC:SO) or HIST 3710. Introduction to Latin-American History: Colonial Period (3) (WI*) (FC:SO) or HIST 3711. Introduction to Latin-American History: Since 1808 (3) (FC:SO) or HIST 3810. History of Africa (3) (WI*) (FC:SO)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
GEOG 2100. World Geography: Developed Regions (3) (F,S,SS) (FC:SO) or GEOG 2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC:SO)
HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
HIST 1050. American History to 1877 (3) (WI*) (F,S,SS) (FC:SO) or HIST 1051. American History Since 1877 (3) (WI*) (F,S,SS) (FC:SO)
HIST 3100. North Carolina History (3) (FC:SO)
POLS 1010. National Government (3) (F,S,SS) (FC:SO) or POLS 3265. African Political Systems (3) (S) (FC:SO)

Mathematics (24 s.h.)

MATE 1267. Functional Relationships (3) (S) (P: MATH 1065 or equivalent)
MATE 2067. Data and Probability Explorations (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3067. Algebra and Number Foundations (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3167. Geometry and Measurement (3) (F, S) (P: MATH 1065 or equivalent)
MATE 3267. Concepts in Discrete Mathematics (3) (S) (P: MATE 3067)
MATE 3367. Mathematical Modeling (3) (S) (P: MATE 1267, 2267, 3067, and 3167)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on math placement test)
MATH 2119. Elements of Calculus (3) (F,S,SS) (FC:MA) (P: MATH 1065 with minimum grade of C)

5. Cognate ..... 3 s.h.

MATE 2067. Data and Probability Explorations (3) (F, S) (P: MATH 1065 or equivalent) or MATE 3167. Geometry and Measurement (3) (F, S) (P: MATH 1065 or equivalent): or (non-mathematics concentration students only) approved elective (3)

6. Electives to complete requirements for graduation.

BS in Special Education, Adapted Curriculum

The BS in special education degree prepares and develops professionals in special education who are committed to accomplishing the following as teachers of children with disabilities: 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 two

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

areas of special education that lead to initial teaching licensure in the general curriculum and the adapted curriculum. An add-on licensure program is available in academically gifted. See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all 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) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1065. College Algebra (3) (F,S,SS) (FC: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) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   Choose 8 s.h. BIOL, CHEM, PHYS, or GEOL (FC:SC)
   Choose a history course (FC:SO)
   Choose a literature course (FC:HU)
2. **Professional studies .....25 s.h.**
   EDTC 4001. Technology in Education (2) (F,S,SS) (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 3204. Fundamentals of Reading (3) (F,S,SS) (P: ELEM 3250)
   SPED 2123. Early Experiences for Prospective Teachers (1) (F,S)
   SPED 4320. Communication and Collaboration in Special Education (3) (F,S) (P: Admission to upper division; C: SPED 4324. Taken as the Senior 2 Seminar)
   SPED 4324. Internship in Special Education (10) (F,S) (P: Admission to upper division; SPED 3005, 4000)
3. **Core.....46 s.h.**
   CSDI 2100. Introduction to Communication Disorders (3) (F,S,SS)
   EXSS 5303. Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities (3) (P: EXSS 3545 or 3546; SPED 5101 or consent of instructor)
   SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)
   SPED 2200. Introduction to Students with Disabilities in the Adapted Curriculum (4) (S,SS) (P: SPED 2000 for SPED majors only; C: SPED 2209 for SPED majors only)
   SPED 2209. Introductory Practicum for Students with Disabilities in the Adapted Curriculum (2) (S,SS) (C: SPED 2200 for special education majors only)
   SPED 3002. Assessing Students with Disabilities in the Adapted Curriculum (3) (F) (P: SPED 2000, 2200, 2209; C: SPED 3004, 3005)
   SPED 3004. Managing the Learning Environment (3) (F) (P: SPED 2000; 2100/2109 or 2200/2209; C: SPED 3005)
   SPED 3005. Instructional Programming in Special Education (3) (F,SS) (P: SPED 2000, 2200, 2209; C: SPED 3002, 3004)
   SPED 3006. Augmentative and Alternative Communication for Students with Disabilities (3) (S) (P: SPED 2000, 2200/2209. 3004, 3005; C: SPED 3200/3209)
   SPED 3200. Instructional Methods for Students with Disabilities in the Adapted Curriculum (4) (WI) (S,SS) (P: Admission to upper division; SPED 3004, 3005; C: SPED 3209)
   SPED 3209. Instructional Practicum for Students with Disabilities in the Adapted Curriculum (2) (S,SS) (P: Admission to upper division; SPED 3004, 3005; C: SPED 3200)
   SPED 4000. Technology in Special Education (3) (F,S,SS) (P: SPED 2000 and EDTC 4001)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 4200. Special Issues and Strategies for Students with Disabilities in the Adapted Curriculum (3) (F,S) (P: Admission to upper division; CO: SPED 4300; P: SPED 3200/3209)
SPED 4300. Practicum in Special Education (2) (F,S) (P: Admission to upper division; CO: SPED 4100/4200; P: SPED 3100/3200 and SPED 3109/3209)
Choose two of the following three courses:
OCCT 3000. Exploring Occupational Therapy (3) (F,S)
RCTX 2230. Recreational Therapy Foundations (3) (F,S) Formerly RCLS 2230 (P: RCLS 2000 or consent of instructor)
REHB 2000. Survey of Community Resources in Rehabilitation and Health Care (3) (S)

4. **Cognates.....14 s.h.**
ENGL 4710. Teaching English as a Second Language: Theories and Principles (3) (F)
MATE 3050. Mathematics and Methods for Grades Pre-K-2 (3) (F,S,SS) (P: Foundations curriculum mathematics course; C: MATE 3051)
MATE 3051. Field Experience in Mathematics Grades K-2 (1) (F,S,SS) (P: Foundations curriculum mathematics course; C: MATE 3050)
MATE 3060. Mathematics and Methods for Grades 3-6 (4) (F,S,SS) (P: Admission to upper division; MATE 3050)
SCIE 3216. Teaching Science in the Elementary School (3) (F,S,SS)
5. **Academic concentration** (The Academic Concentration is not required for SPED majors entering the university fall semester, 2004)
6. **Electives to complete requirements for graduation.**

BS in Special Education, General Curriculum

The BS in special education degree prepares and develops professionals in special education who are committed to accomplishing the following as teachers of children with disabilities: 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 two areas of special education that lead to initial teaching licensure in the general curriculum and the adapted curriculum. Students pursuing the SPED-general curriculum license also pursue the reading license. An add-on licensure program is available in academically gifted. See Licensure, above. Minimum degree requirement is **128 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all 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) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1065. College Algebra (3) (F,S,SS) (FC: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) (FC:SO)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
Choose 8 s.h. BIOL, CHEM, PHYS, or GEOL (FC:SC)
Choose a history course (FC:SO)
Choose a literature course (FC:HU)
2. **Professional studies .....25 s.h.**
EDTC 4001. Technology in Education (2) (F,S,SS) (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 22011 or 2240 or 3240 or equivalent)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

READ 3204. Fundamentals of Reading (3) (F,S,SS) (P: ELEM 3250)
SPED 2123. Early Experiences for Prospective Teachers (1) (F,S)
SPED 4320. Communication and Collaboration in Special Education (3) (F,S) (P: Admission to upper division; C: SPED 4324. Taken as the Senior 2 Seminar)
SPED 4324. Internship in Special Education (10) (F,S) (P: Admission to upper division; SPED 3005, 4000)

3. **Core.....30 s.h.**
SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)
SPED 2100. Introduction to Students with Disabilities in the General Curriculum (4) (S,SS) (P: SPED 2000 or SPED majors only; C: SPED 2109 for SPED majors only)
SPED 2109. Introductory Practicum for Students with Disabilities in the General Curriculum (2) (S,SS) (C: SPED 2100; for special education majors only)
SPED 3001. Assessing Students with Disabilities in the General Curriculum (3) (F) (P: SPED 2000, 2100, 2109; C: SPED 3004, 3005))
SPED 3004. Managing the Learning Environment (3) (F,S) (P: SPED 2000, 2100, 2109, 2200, 2209 or C: SPED 3001, 3005)
SPED 3005. Instructional Programming in Special Education (3) (F,S) (P: SPED 2000, 2100, 2109; C: SPED 3001, 3004)
SPED 3100. Instructional Methods for Students with Disabilities in the General Curriculum (4) (WI) (S,SS) (P: Admission to upper division; SPED 3001, 3004, 3005; C: SPED 3109)
SPED 3109. Instructional Practium for Students with Disabilities in the General Curriculum (2) (S,SS) (P: Admission to upper division; SPED 3001, 3004, 3005; C: SPED 3100)
SPED 4000. Technology in Special Education (3) (F,S,SS) (P: SPED 2000 and EDTC 4001)
SPED 4100. Special Issues and Strategies for Students with Disabilities in the General Curriculum (2) (F,S) (CO: SPED 4300; P: Admission to upper division; SPED 3100/3109)
SPED 4300. Practicum in Special Education (2) (F,S) (CO: SPED 4100/4200; P: Admission to upper division; SPED 3100/3200 and SPED 3109/3209)

4. **Cognates.....11 s.h.**
MATE 3050. Mathematics and Methods for Grades Pre-K-2 (3) (F,S,SS) (P: Foundations curriculum mathematics course; C: MATE 3051)
MATE 3051. Field Experience in Mathematics Grades K-2 (1) (F,S,SS) (P: Foundations curriculum mathematics course; C: MATE 3050)
MATE 3060. Mathematics and Methods for Grades 3-6 (4) (F,S,SS) (P: Admission to upper division; MATE 3050)
SCIE 3216. Teaching Science in the Elementary School (3) (F,S,SS)

5. **Academic concentration** (The academic concentration is not required for SPED majors entering the university fall semester, 2004)

6. **Reading License.....21-24 s.h.**
SPED-General Curriculum students entering the university after fall semester, 2004, will pursue the Reading License.

7. **Electives to complete requirements for graduation.**

DEPARTMENT OF MATHEMATICS AND SCIENCE EDUCATION

Ron Preston, Chairperson, Flanagan 342

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 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum plus special requirements for licensure (See Section 4, Foundations Curriculum Requirements for all 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 9.
(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

PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
Choose a history course (FC:SO)
Choose a literature course (FC:HU)

2. Core.....36 s.h.

MATE 2700. Applications in Statistics and Probability (3) (S) (P: MATH 1065 or equivalent)
MATE 2800. Discrete Mathematics: Explorations and Applications (3) (F) (P: MATH 1065 or equivalent)
MATH 2171, 2172, 2173. Calculus I, II, III (4,4,4) (F,S,SS) (FC:MA) (P for 2171: minimum grade of C in any of MATH 1083, 1085, or 2122; P for 2172: MATH 2171 with a minimum grade of C or 2122 with consent of instructor; P for 2173: MATH 2172 with a minimum grade of C)
MATH 2300. Transition to Advanced Mathematics (3) (P: MATH 2171)
MATH 3233. College Geometry (3) (F) (P: MATH 2300)
MATH 3256. Linear Algebra (3) (F,S,SS) (P: MATH 2172)
MATH 3263. Introduction to Modern Algebra (3) (WI) (F,S,SS) (P: MATH 2300, 3256)
MATH 3307. Mathematical Statistics I (3) (F,S) (P: MATH 2172)
MATH 5322. Foundations of Mathematics (3) (WI) (P: MATH 3233, 3263; or equivalent)

3. Professional courses.....25 s.h.

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) (P: Admission to upper division) or PSYC 4305. Educational Psychology (3) (F,S,SS) (P: PSYC 2201 or 3240 or 3206 or 3240 or equivalent)
MATE 2123. Early Experiences for the Prospective Teacher (1) (F,S) (P: MATH 2171)
MATE 4001. Technology in Secondary Mathematics Education (3) (F) (P: Admission to upper division; MATE 2700, 2800; C: MATE 4323)
MATE 4324. Internship in Mathematics (10) (S) (P: Admission to upper division; MATE 4323; C: MATE 4325; READ 3990)
MATE 4325. Internship Seminar: Issues in Mathematics Education (1) (S) (P: Admission to upper division; MATE 4323; C: MATH 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) (P: Admission to upper division; RP: SPED 2000)

4. Specialty Area.....6 s.h.

MATE 3523. Teaching Topics in High School Mathematics (3) (S) (P: MATE 2123)
MATE 4323. The Teaching of Mathematics in High School (3) (F) (P: Admission to upper division; MATE 2123)

5. 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:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. Foundations curriculum and special requirements for certification (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree programs), including those listed below.....42 s.h.

BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
Choose a history course (FC:SO)
Choose a literature course (FC:HU)

2. Common core..... 38-39 s.h.

BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C for 1201: BIOL 1200)
CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC: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,S,SS) (FC:SC)
GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (FC:SC) (C: GEOL 1500)
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC: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,S,SS)
SCIE 3604. Investigations in Life and Environmental Science (4) (F,S,SS)
SCIE 4323. The Teaching of Science in High School (3) (WI) (F) (P: Admission to upper division)
Choose 5-6 s.h. mathematics from one area as follows:

Biology and Earth Science:

MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)
MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (FC: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)

Chemistry and Physics:

MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (FC: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 2100, 2101. Basic Laboratory Methods for Biotechnology (3,0) (F,SS) Formerly BIOL 3100, 3101. 1 lecture and 4 lab hours per week. (P: BIOL 1100, 1101; MATH 1065; 1 semester of CHEM and lab) or BIOL 3520. Biological Evolution (3) (P: BIOL 2300 or consent of instructor)
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)
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC: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. Elementary Inorganic Chemistry (3) (S) (P: CHEM 2250, 2251; C: CHEM 3451)
CHEM 3451. Elementary Inorganic Chemistry Laboratory (1) (WI) (F,S) (P: CHEM 2250, 2251; C: CHEM 3450 or 5550)
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) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)

Earth Science (22 s.h.):

GEOL 1550. Oceanography (4) (S) (FC:SC)
GEOL 1600. Earth and Life Through Time (4) (S) (FC:SC)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

GEOL 1700. Environmental Geology (4) (F,S) (FC:SC)
GEOL 3050, 3051. Mineralogy and Petrology I (4,0) (F) (P: A 1000-level GEOL course) 3 lecture and 3 lab hours per week.
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC: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) (FC: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 .....24-25 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 4324. Internship in Science Education (10) (S) (P: Admission to upper division; SCIE 4323; C: SCIE 4325)
SCIE 4325. Internship Seminar: Issues in Science Education (1) (S) (P: Admission to upper division; C: SCIE 4324)
SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (P: Admission to upper division; RP: SPED 2000)

5. **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 and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C for 1201: BIOL 1200)
CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC: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) (FC: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) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

COLLEGE OF FINE ARTS AND COMMUNICATION

Jeffery Elwell, Dean, 106 Erwin Hall

The College of Fine Arts and Communication is comprised of the School of Art and Design, School of Communication, School of Music, and School of Theatre and Dance.

SCHOOL OF ART AND DESIGN

Michael Drought, Director, Jenkins Fine Arts Center

BA in Art

Art studio concentrations are offered in painting, sculpture, ceramics, printmaking, textile design, fabric design, weaving design, wood design, metal design, and general studio. Minimum degree requirement is **120 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including the following.....42 s.h.**
   PHIL 2271. Introduction to Philosophy of Art (3) (WI*) (F,S) (FC:HU)
2. **Foreign language through level 1004 .....12 s.h.**
3. **Common core.....30 s.h.**
   ART 1005. Design I (3) (F,S,SS) (FC: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) (F,S,SS) (FC: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) (FC:FA) (P: ART major)
   ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905)
   ART 1907. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905)
   Choose 6 s.h. art surveys outside the concentration
   In the general studio concentration, choose 9 s.h. in surveys.
   Choose a 3 s.h. art history elective
4. **Specific Art concentration courses to include survey** (See specific studio concentration course description.) **.....15 s.h.**
   General studio concentration (50% must be beyond the survey level)**.....18 s.h.**
5. **Art electives** (for all concentrations except general studio) **.....12 s.h.**
   or Art electives for general studio concentration.....6 s.h.
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. The general studio portfolio review will be conducted by a faculty committee appointed by the Director of the School of Art and Design. Students submitting portfolios to communication arts concentrations must demonstrate a minimum cumulative GPA of 2.6 in the survey and all studio art concentration courses attempted. 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.**

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BA in Art History and Appreciation

Minimum degree requirement is **120 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including the following.....42 s.h.**
   ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (FC:SO)
   HIST 1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:SO)
   HIST 1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC:SO)
   PHIL 2271. Introduction to Philosophy of Art (3) (WI*) (F,S) (FC:HU)
   Choose two from:
   ENGL 3460. Classical Mythology (3) (F) (FC:HU) (P: ENGL 1200)
   ENGL 3600. Classics from Homer to Dante (3) (WI) (F) (FC:HU) (P: ENGL 1200)
   ENGL 3610. Human Values in Literature (3) (WI) (F-EY) (FC:HU) (P: ENGL 1200)
   An alternate course may be substituted by the area if applicable to the student's plan of study.
2. **Foreign language (French or German) through level 1004.....12 s.h.**
   An alternate course may be substituted by the area if applicable to the student's plan of study.
3. **Common core.....36 s.h.**
   ART 1005. Design I (3) (F,S,SS) (FC:FA) (P: ART major or administrative approval)
   In the liberal arts concentration, an art history class may be substituted with area approval.
   ART 1020. Drawing (3) (F,S) (FC:FA) (P: ART major or administrative approval)
   In the liberal arts concentration, an art history class may be substituted with area approval.
   ART 1905. The Dimensions of Art (3) (F,S) (FC:FA) (P: ART major)
   ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905)
   ART 1907. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905)
   ART 3990. Art History and Its Methods (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.).....30 s.h.**
   Liberal Arts:
   Choose 15 s.h. of additional art history electives
   Choose 15 s.h. electives from anthropology, English, political science, sociology, foreign languages, history, philosophy, or arts and sciences interdisciplinary programs.
   Studio Art:
   ART 1015. Design II (3) (F,S) (P: ART 1005, 1020 with a minimum grade of C; ART 1905; or administrative approval)
   ART 1030. Figure Drawing (3) (F,S) (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)
   Choose 9 s.h. general electives to meet minimum requirements for graduation.
5. **To be admitted into the art history degree program, students must have completed at least one year of coursework with a minimum cumulative GPA of 2.5 in art history foundation and survey courses. Students must also confer with at least two art history faculty for advising before entering as a declared major.**

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

BFA in Art

Concentrations are offered in painting, sculpture, ceramics, printmaking, graphic design, illustration, photography, textile design, fabric design, weaving design, wood design, metal design and animation/interactive design. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including the following.....42 s.h.**
   PHIL 2271. Introduction to Philosophy of Art (3) (WI*) (F,S) (FC:HU)
2. **Common core.....36 s.h.**
   ART 1005. Design I (3) (F,S,SS) (FC: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) (F,S,SS) (FC: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) (FC:FA) (P: ART major)
   ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905)
   ART 1907. Art History Survey (3) (F,S) (FC: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. Acceptance into the area by portfolio review is required for admittance into 4000-level painting, graphic design, illustration, and photography courses. Students submitting portfolios to animation/interactive design, graphic design, illustration, photography and to the painting and drawing concentrations must demonstrate a minimum cumulative GPA of 2.6 in the survey and all studio art concentration courses attempted. 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 or printmaking courses beyond the foundation requirements and at least 18 s.h. of painting courses beyond the survey, including at least 3 s.h. at the 4000-level.**

BFA in Art Education

See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **134 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum requirements and special courses required for certification (See Section 4, Foundations curriculum Requirements for all Baccalaureate Degree Programs), including the following.....42 s.h.**
   PHIL 2271. Introduction to Philosophy of Art (3) (WI*) (F,S) (FC:HU)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

2. Core.....63 s.h.

ART 1005. Design I (3) (F,S,SS) (FC: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) (F,S,SS) (FC: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) (FC:FA) (P: ART major)
ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905)
ART 1907. Art History Survey (3) (F,S) (FC: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 3851. Art in the Elementary School (3) (WI*) (F,S) (P: Junior standing)
ART 3860. Classroom Participation in Art (1) (F,S) (P: Junior standing; ART 3851)
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 (1) (F,S) (P: Senior standing; admission to upper division; ART 2123, 3851, 3860, 4323; successful completion of professional education courses except ART 4850 or 4851, and 4870 or 4871)
ART 4850. Art Internship in Elementary Education (6) (F,S) (P: Senior standing; admission to upper division; ART 2123, 3851, 3860, 4323; successful completion of professional education courses) (C: ART 4325 and 4871)
ART 4851. Art Internship in Elementary Education (3) (F,S) (P: Senior standing; admission to upper division; ART 2123, 3851, 3860, 4323; successful completion of professional education courses) (C: ART 4325 and 4870)
ART 4870. Art Internship in Secondary Education (6) (F,S) (P: Senior standing; admission to upper division; ART 2123, 3851, 3860, 4323; successful completion of professional education courses) (C: ART 4325 and 4871)
ART 4871. Art Internship in Secondary Education (3) (F,S) (P: Senior standing; admission to upper division; ART 2123, 3851, 3860, 4323; successful completion of professional education courses) (C: ART 4325 and 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) (P: Admission to upper division; RP: SPED 2000)

4. 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.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

5. **An approved senior show and slides of work exhibited are requirements for graduation.**
6. **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.**
7. **Certification additionally requires demonstrated teaching competence and recommendations from the certifying institution.**

Art Minor

Minimum requirement for the art minor is **30 s.h.** of credit as follows:

1. **Core.....18 s.h.**
   ART 1005. Design I (3) (F,S,SS) (FC: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) (F,S,SS) (FC: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) (FC:FA) (P: ART major)
   Choose 3 s.h. from:
   ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905)
   ART 1907. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905)
2. **Electives .....12 s.h.**
   Choose 6 s.h. art surveys
   Choose 6 s.h. art electives

Art History Minor

Minimum requirement for the art history minor is **24 s.h.** of credit as follows:

1. **Core.....9 s.h.**
   ART 1905. Dimensions of Art (3) (F,S) (FC:FA)
   ART 1906. Art History Survey (3) (F,S) (FC:FA)
   ART 1907. Art History Survey (3) (F,S) (FC:FA)
2. **Electives .....15s.h.**
   Choose 15 s.h. art history 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 BA degree in general studio, there is no limitation. 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 2, Admission and Readmission, 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 and Design will evaluate each art course according to the following:

1. Art courses for which transfer credit is requested must be listed on the School of Art and Design 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.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

2. A catalog or copies of appropriate pages describing the transfer course must be submitted.
3. For foundation credit, examples of work or slides showing all studio projects completed must be submitted.
4. 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.
5. 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.
6. Credit transferred from two-year institutions will only be applicable to freshman and sophomore course requirements.
7. 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.

All information and examples of work listed above must be received by the School of Art and Design 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.

SCHOOL OF COMMUNICATION

Dr. Linda G. Kean, Acting Director, Joyner East 102C

BA in Communication

NOTE: Students will not be admitted into the BA program after Fall 2007. Please see the BS degree and concentrations listed below. The BA in communication prepares students (admitted prior to Fall 2007) 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 achieve a minimum grade of C in both COMM 1001 and COMM 1002. A minimum grade of C is required in all COMM courses that count toward the major. 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 9.
(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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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) (FC:SO)
COMM 1002. Media Writing (3) (WI) (F,S,SS) (P: ENGL 1100)
COMM 2030. Communication Research (3) (F,S) (P: COMM major or minor or consent of instructor)
COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
COMM 4080. Senior Seminar (3) (F,S,SS) (P: COMM major or minor or consent of instructor; 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 major or minor or consent of instructor)
- COMM 3142. Small Group Communication (3) (P: COMM major or minor or consent of instructor)
- COMM 3151. Family Communication (3) (P: COMM major or minor or consent of instructor)
- COMM 3152. Interpersonal Communication Theory (3) (F) (FC:SO) (P: COMM major or minor or consent of instructor)
- COMM 3380. Computer Mediated Communication (3) (P: COMM major or minor or consent of instructor)
- COMM 4130. Conflict and Communication (3) (P: COMM major or minor or consent of instructor; COMM 3142 or 3152 or 3160)
- COMM 4135. Gender and Communication (3) (F) (P: COMM major or minor or consent of instructor. P: For Women's Studies Major or Minor: COMM 1001, 1002; or WOST 2000 or 2400)

Choose 3 s.h. from:
- COMM 3172. Media Effects (3) (FC:SO) (P: COMM major or minor or consent of instructor)
- COMM 4040. Media, Culture, and Society (3) (F,S) (P: COMM major or minor or consent of instructor; 15 s.h. COMM)
- COMM 4045. Media Literacy for Communication Professionals (3) (P: COMM major or minor or consent of instructor)

Choose 3 s.h. from:
- COMM 3110. Persuasion Theories (3) (P: COMM major or minor or consent of instructor)
- COMM 3400. Argumentation (3) (P: COMM major or minor or consent of instructor; ENGL 1200)
- COMM 3410. Advanced Public Speaking (3) (P: COMM major or minor or consent of instructor; COMM 2410 or 2420)
- COMM 4032. Mass Media Law (3) (F,S) (P: COMM major or minor or consent of instructor; 18 s.h. COMM) or COMM 4042. First Amendment Law (3) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)

Choose 3 s.h. from:
- COMM 3400. Argumentation (3) (P: COMM major or minor or consent of instructor; ENGL 1200)
- COMM 4075. Media Criticism (3) (WI) (P: COMM major or minor or consent of instructor)
- COMM 4400. Rhetorical Theory and Criticism (3) (P: COMM major or minor or consent of instructor; ENGL 1200)
- COMM 4905. Media Ethics (3) (WI) (F,S) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)

Choose 3 s.h. from:
- COMM 3160. Organizational Communication Theory (3) (P: COMM major or minor or consent of instructor)
- COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)
- COMM 4040. Media, Culture, and Society (3) (F,S) (P: COMM major or minor or consent of instructor; 15 s.h. COMM)

Choose 3 s.h. COMM electives

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Public Relations (21 s.h.):

COMM 2320. Basic Reporting (3) (F,S,SS) (WI) (P: COMM major or minor or consent of instructor)
COMM 3120. Public Relations Theory (3) (F,S) (P: COMM major or minor or consent of instructor)
COMM 4180. Public Relations Strategies (3) (WI) (F,S) (P: COMM major or minor or consent of instructor; COMM 3120)

Choose 3 s.h. from:

COMM 3110. Persuasion Theories (3) (P: COMM major or minor or consent of instructor)
COMM 3142. Small Group Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3151. Family Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3152. Interpersonal Communication Theory (3) (F) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 3380. Computer Mediated Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3400. Argumentation (3) (P: COMM major or minor or consent of instructor; ENGL 1200)
COMM 4130. Conflict and Communication (3) (P: COMM major or minor or consent of instructor; COMM 3142 or 3152 or 3160)
COMM 4135. Gender and Communication (3) (F) (P: COMM major or minor or consent of instructor; P: For Women's Studies Major or Minor: COMM 1001, 1002; or WOST 2000 or 2400)
COMM 4400. Rhetorical Theory and Criticism (3) (P: COMM major or minor or consent of instructor; ENGL 1200)

Choose 3 s.h. from:

COMM 2104. Public Relations and Corporate Writing (3) (WI) (P: COMM major or minor or consent of instructor)
COMM 3310. Copy Editing and Design (3) (F,S,SS) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3340. Desktop Publishing (3) (P: COMM major or minor or consent of instructor; ENGL 1200; COMM 2320)
COMM 3362. Visual Editing (3) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3500. Web Design for Communication Professionals (3) (P: COMM major or minor or consent of instructor)

Choose 3 s.h. from:

COMM 3172. Media Effects (3) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 4032. Mass Media Law (3) (F,S) (P: COMM major or minor or consent of instructor; 18 s.h. COMM) or COMM 4042. First Amendment Law (3) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)
COMM 4040. Media, Culture, and Society (3) (F,S) (P: COMM major or minor or consent of instructor; 15 s.h. COMM)
COMM 4045. Media Literacy for Communication Professional (3) (P: COMM major or minor or consent of instructor)
COMM 4905. Media Ethics (3) (F,S) (WI) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)

Choose 3 s.h. from:

COMM 3160. Organizational Communication Theory (3) (P: COMM major or minor or consent of instructor)
COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3390. International News Communication (3) (S) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 4091. Internship-Seminar (3) (F,S,SS) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)
COMM 4185. International Public Relations (3) (P: COMM major or minor or consent of instructor; COMM 3120)

Print Journalism (21 s.h.):

COMM 2320. Basic Reporting (3) (F,S,SS) (WI) (P: COMM major or minor or consent of instructor)
COMM 3320. Advanced Reporting (3) (WI) (F,S) (P: COMM major or minor or consent of instructor; COMM 2320) or COMM 3322. Computer Assisted Reporting (3) (WI) (F,S) (P: COMM major or minor or consent of instructor; COMM 2320) or COMM 3311. Business and Economic Reporting (3) (WI) (P: COMM major or minor or consent of instructor; COMM 2320) or COMM 3330. Feature Writing (3) (WI) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 4032. Mass Media Law (3) (F,S) (P: COMM major or minor or consent of instructor; 18 s.h. COMM) or COMM 4042. First Amendment Law (3) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)
Choose 3 s.h. from:
COMM 3310. Copy Editing and Design (3) (F,S,SS) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3340. Desktop Publishing (3) (P: COMM major or minor or consent of instructor; ENGL 1200; COMM 2320)
COMM 3362. Visual Editing (3) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3500. Web Design for Communication Professionals (3) (P: COMM major or minor or consent of instructor)
Choose 3 s.h. from:
COMM 3110. Persuasion Theories (3) (P: COMM major or minor or consent of instructor)
COMM 3142. Small Group Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3152. Interpersonal Communication Theory (3) (F) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3390. International News Communication (3) (S) (FC:SO) (P: COMM major or minor or consent of instructor)
Choose 3 s.h. from:
COMM 2250. Classic Documentaries: 1900-2000 (3) (P: COMM major or minor or consent of instructor)
COMM 3172. Media Effects (3) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 4040. Media, Culture, and Society (3) (F,S) (P: COMM major or minor or consent of instructor; 15 s.h. COMM)
COMM 4075. Media Criticism (3) (WI) (P: COMM major or minor or consent of instructor)
COMM 4905. Media Ethics (3) (F,S) (WI) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)
Choose 3 s.h. COMM electives.

5. **Minor and general electives to complete requirements for graduation.**
   Students who major in communication can not minor in communication.

BS in Communication

The BS in communication has concentrations in interpersonal/organizational communication, journalism, media production, media studies and public relations. Students must be admitted to the School of Communication prior to pursuing a major. Admission may be requested upon acceptance to ECU. Admission application forms may be downloaded from the School of Communication's website (www.ecu.edu/comm). Continuing or transfer students may apply for admittance, provided he or she has a minimum overall GPA of 2.0 or higher. To continue in any communication major, the student must maintain a minimum cumulative GPA of 2.0 or higher. A minimum grade of C is required in all COMM courses that count toward the major. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.) ..... 42 s.h.**
2. **Foreign language through level 1002 ..... 6 s.h.**
3. **Core..... 12 s.h.**
   COMM 1001. Introduction to Communication (3) (F,S) (FC:SO)
   COMM 1002. Media Writing (3) (WI) (F,S,SS) (P: ENGL 1100)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

COMM 2410. Public Speaking (3) (F,S,SS) or COMM 2420. Business and Professional Communication (3) (F,S,SS)
Capstone Course (Concentration specific)
Interpersonal/Organizational Communication: COMM 4080
Journalism: COMM 3321 or COMM 4293
Media Production: COMM 4250
Public Relations: COMM 4080

4. Concentration area (Choose one.).....30-36 s.h.

Interpersonal/Organizational Communication (30 s.h.):

COMM 2030. Communication Research (3) (F,S) (P: COMM major or minor or consent of instructor)
COMM 3110. Persuasion Theories (3) (P: COMM major or minor or consent of instructor)
COMM 3142. Small Group Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3152. Interpersonal Communication Theory (3) (F) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 3160. Organizational Communication Theory (3) (P: COMM major or minor or consent of instructor)
Choose 3 s.h. from:
COMM 3172. Media Effects (3) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 3380. Computer Mediated Communication (3) (P: COMM major or minor or consent of instructor)
COMM 4040. Media, Culture, and Society (3) (F,S) (P: COMM major or minor or consent of instructor; 15 s.h. COMM)
COMM 4045. Media Literacy for Communication Professionals (3) (P: COMM major or minor or consent of instructor)
COMM 4400. Rhetorical Theory and Criticism (3) (P: COMM major or minor or consent of instructor; ENGL 1200)
COMM 4905. Media Ethics (3) (WI) (F,S) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)
Choose 3 s.h. from:
COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)
COMM 4135. Gender and Communication (3) (F) (P: COMM major or minor or consent of instructor. P: For Women's Studies Major or Minor: COMM 1001, 1002; or WOST 2000 or 2400)
Choose 9 s.h. COMM electives

Journalism (30 s.h.):

COMM 2210. Writing for the Electronic Mass Media (3) (WI) (F,S,SS) (P: COMM major or minor or consent of instructor; COMM 1002)
COMM 2320. Basic Reporting (3) (F,S,SS) (WI) (P: COMM major or minor or consent of instructor)
COMM 3220. Video Field Production (3) (F,S,SS) (P: COMM major or minor or consent of instructor; COMM 2220)
COMM 3320. Advanced Reporting (3) (WI) (F,S) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 4032. Mass Media Law (3) (S) (P: COMM major or minor or consent of instructor; 18 s.h. in COMM) or COMM 4042. First Amendment Law (3) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)
Choose 9 s.h. from:
COMM 2230. Announcing (3) (F,S,SS) (P: COMM major or minor or consent of instructor)
COMM 3310. Copy Editing and Design (3) (F,S,SS) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3311. Business and Economic Reporting (3) (WI) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3321 Investigative Reporting (3) (WI) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3322. Computer Assisted Reporting (3) (WI) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3330. Feature Writing (3) (WI) (P: COMM major or minor or consent of instructor; COMM 2320)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

COMM 3500. Web Design for Communication Professionals (3) (P: COMM major or minor or consent of instructor)
COMM 4293. Editing and Producing the News (3) (P: COMM 3320; COMM major or consent of instructor)
Choose 6 s.h. from:
COMM 3172. Media Effects (3) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 3390. International News Communication (3) (S) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 3520. Sports Media Survey (3) (P: COMM major or minor or consent of instructor)
COMM 4040. Media, Culture, and Society (3) (F,S) (P: COMM major or minor or consent of instructor; 15 s.h. COMM)
COMM 4075. Media Criticism (3) (WI) (P: COMM major or minor or consent of instructor)
COMM 4135. Gender and Communication (3) (F) (P: COMM major or minor or consent of instructor. P: For Women's Studies Major or Minor: COMM 1001, 1002; or WOST 2000 or 2400)
COMM 4905. Media Ethics (3) (F,S) (WI) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)

Media Production (36 s.h.):

COMM 2210. Writing for the Electronic Mass Media (3) (WI) (F,S,SS) (P: COMM major or minor or consent of instructor; COMM 1002)
COMM 2215. Audio Production (3) (P: COMM major or minor or consent of instructor; COMM 2210)
COMM 2220. Video Production (3) (F,S,SS) (P: COMM major or minor or consent of instructor; COMM 2210)
COMM 2260. Image Theory and Aesthetics (3) (P: COMM major or minor or consent of instructor)
COMM 3020. Videography and Lighting (3) (P: COMM major or consent of instructor; COMM 2220, 2260; C: 3250)
COMM 3220. Video Field Production (3) (F,S) (P: COMM major or minor or consent of instructor; COMM 2220)
COMM 3235. Advanced Writing for Media (3) (P: COMM major or minor or consent of instructor; COMM 2210, 2320, 3020) or COMM 3215 Advanced Video Production (3) (P: COMM major or minor or consent of instructor) or COMM 3500 Interactive Media Design (3) (P: COMM major or minor or consent of instructor)
COMM 3250. Video Post Production Techniques (3) (P: COMM major or minor or consent of instructor)
COMM 3275. Advanced Video Production (3) (F,S,SS) (P: COMM major or minor or consent of instructor; COMM 3250)
COMM 3660. History of the Moving Image (3) (P: COMM major or minor or consent of instructor)
COMM 4210. Video Direction (3) (F,S) (P: COMM major or minor or consent of instructor; COMM 3275) or COMM 4280 Digital Practicum for Professional Distribution (P: COMM major; consent of instructor; All required COMM courses under 4000)
Choose 6 s.h. COMM electives

Media Studies (30 s.h.):

COMM 2030. Communication Research (3) (F,S) (P: COMM major or minor or consent of instructor)
COMM 3172. Media Effects (3) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 4040. Media, Culture, and Society (3) (F,S) (P: COMM major or minor or consent of instructor; 15 s.h. COMM)
COMM 4045. Media Literacy for Communication Professionals (3) (P: COMM major or minor or consent of instructor)
COMM 4905. Media Ethics (3) (WI) (F,S) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)
Choose 3 s.h from.
COMM 3110. Persuasion Theories (3) (P: COMM major or minor or consent of instructor)
COMM 3142. Small Group Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3152. Interpersonal Communication Theory (3) (F) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 3160. Organizational Communication Theory (3) (P: COMM major or minor or consent of instructor)
COMM 3380. Computer Mediated Communication (3) (P: COMM major or minor or consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

COMM 4400. Rhetorical Theory and Criticism (3) (P: COMM major or minor or consent of instructor; ENGL 1200)

Choose 3 s.h. from:

COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)

COMM 4135. Gender and Communication (3) (F) (P: COMM major or minor or consent of instructor. P: For Women's Studies Major or Minor: COMM 1001, 1002; or WOST 2000 or 2400)

Choose 9 s.h. COMM electives

Public Relations (30 s.h.):

COMM 2030. Communication Research (3) (F,S) (P: COMM major or minor or consent of instructor)

COMM 2104. Public Relations and Corporate Writing (3) (WI) (P: COMM major or minor or consent of instructor)

COMM 2320. Basic Reporting (3) (F,S,SS) (WI) (P: COMM major or minor or consent of instructor)

COMM 3120. Public Relations Theory (3) (F,S) (P: COMM major or minor or consent of instructor)

COMM 4180. Public Relations Strategies (3) (WI) (F,S) (P: COMM major or minor or consent of instructor; COMM 3120)

Choose 6 s.h. from:

COMM 3110. Persuasion Theories (3) (P: COMM major or minor or consent of instructor)

COMM 3142. Small Group Communication (3) (P: COMM major or minor or consent of instructor)

COMM 3152. Interpersonal Communication Theory (3) (F) (FC:SO) (P: COMM major or minor or consent of instructor)

COMM 3160. Organizational Communication Theory (3) (P: COMM major or minor or consent of instructor)

COMM 4130. Conflict and Communication (3) (P: COMM major or minor or consent of instructor; COMM 3142 or 3152 or 3160)

Choose 3 s.h. from:

COMM 3310. Copy Editing and Design (3) (F,S,SS) (P: COMM major or minor or consent of instructor; COMM 2320)

COMM 3362. Visual Editing (3) (P: COMM major or minor or consent of instructor; COMM 2320)

COMM 3500. Web Design for Communication Professionals (3) (P: COMM major or minor or consent of instructor)

Choose 3 s.h. from:

COMM 3172. Media Effects (3) (FC:SO) (P: COMM major or minor or consent of instructor)

COMM 3520. Sports Media Survey (3) (P: COMM major or minor or consent of instructor)

COMM 4032. Mass Media Law (3) (F,S) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)

COMM 4040. Media, Culture, and Society (3) (F,S) (P: COMM major or minor or consent of instructor; 15 s.h. COMM)

COMM 4905. Media Ethics (3) (F,S) (WI) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)

Choose 3 s.h. from:

COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)

COMM 4135. Gender and Communication (3) (F) (P: COMM major or minor or consent of instructor. P: For Women's Studies Major or Minor: COMM 1001, 1002; or WOST 2000 or 2400)

COMM 4185. International Public Relations (3) (P: COMM major or minor or consent of instructor; COMM 3120)

Choose 3 s.h. COMM electives

5. Minor or structured electives to complete requirements for graduation.

Students who major in communication cannot minor in communication.

Communication: Communication Studies Minor

Students must be admitted to the School of Communication prior to pursuing a minor. Admission may be requested upon acceptance to ECU. Admission application forms may be downloaded from the School of Communication's website (www.ecu.edu/comm). The minimum requirement for the communication minor is **24 s.h.** of credit as follows:

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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. Core.....6 s.h.

COMM 1001. Introduction to Communication (3) (F,S) (FC: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) (F,S) (P: COMM major or minor or consent of instructor)
COMM 2250. Classic Documentaries: 1900-2000 (3) (P: COMM major or minor or consent of instructor)
COMM 2260. Image Theory and Aesthetics (3) (P: COMM major or minor or consent of instructor)
COMM 2410. Public Speaking (3) (F,S,SS) (P: COMM major or minor or consent of instructor)
COMM 2420. Business and Professional Communication (3) (F,S,SS) (P: COMM major or minor or consent of instructor)
COMM 3110. Persuasion Theories (3) (P: COMM major or minor or consent of instructor)
COMM 3120. Public Relations Theory (3) (F,S) (P: COMM major or minor or consent of instructor)
COMM 3142. Small Group Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3151. Family Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3152. Interpersonal Communication Theory (3) (F) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 3160. Organizational Communication Theory (3) (P: COMM major or minor or consent of instructor)
COMM 3172. Media Effects (3) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 3180. Intercultural Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3380. Computer Mediated Communication (3) (P: COMM major or minor or consent of instructor)
COMM 3390. International News Communication (3) (S) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 3400. Argumentation (3) (P: COMM major or minor or consent of instructor)
COMM 3520. Sports Media Survey (3) (P: COMM major or minor or consent of instructor)
COMM 3660. History of the Moving Image (3) (P: COMM major or minor or consent of instructor)
COMM 4032. Mass Media Law (3) (F,S) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)
COMM 4040. Media, Culture, and Society (3) (F,S) (P: COMM major or minor or consent of instructor; 15 s.h. COMM)
COMM 4042. First Amendment Law (3) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)
COMM 4045. Media Literacy for Communication Professionals (3) (F, S) (P: COMM major or minor or consent of instructor)
COMM 4075. Media Criticism (3) (WI) (P: COMM major or minor or consent of instructor)
COMM 4081. Directed Independent Study (1,2,3) (F,S,SS) (P: COMM major or minor or consent of instructor)
COMM 4130. Conflict and Communication (3) (P: COMM major or minor or consent of instructor; COMM 3142 or 3152 or 3160)
COMM 4135. Gender and Communication (3) (P: COMM major or minor or consent of instructor. P: For Women's Studies Major or Minor: COMM 1001, 1002; or WOST 2000 or 2400)
COMM 4400. Rhetorical Theory and Criticism (3) (P: COMM major or minor or consent of instructor)
COMM 4905. Media Ethics (3) (F,S) (WI) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)

Communication: Media Studies Minor

NOTE: Students will not be admitted into the minor after Fall 2007. Please see communication studies minor above. 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) (F,S) (FC: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) (F,S) (P: COMM major or minor or consent of instructor)
COMM 2210. Writing for the Electronic Mass Media (3) (WI) (F,S,SS) (P: COMM major or minor or consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

COMM 2250. Classic Documentaries: 1900-2000 (3) (P: COMM major or minor or consent of instructor)
COMM 2320. Basic Reporting (3) (WI) (F,S) (P: COMM major or minor or consent of instructor)
COMM 3020. Producing Electronic Mass Media Messages (3) (P: COMM major or minor or consent of instructor)
COMM 3212. Non-News Media Features (3) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3235. Advanced Writing for Television Formats (3) (P: COMM major or minor or consent of instructor; COMM 2210, 2320, 3020)
COMM 3311. Business and Economic Reporting (3) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3320. Advanced Reporting (3) (WI) (F,S) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3321. Investigative Reporting (3) (WI) (P: COMM major or minor or consent of instructor; COMM 3320)
COMM 3325. Reporting for Visual Media (3) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3330. Feature Writing (3) (P: COMM major or minor or consent of instructor; COMM 2320)
COMM 3390. International News Communication (3) (S) (FC:SO) (P: COMM major or minor or consent of instructor)
COMM 4032. Mass Media Law (3) (F,S) (P: COMM major or minor or consent of instructor; 18 s.h. COMM)
COMM 4040. Media, Culture, and Society (3) (F,S) (P: COMM major or minor or consent of instructor; 15 s.h. COMM)
COMM 4050. Media Management (3) (P: COMM major or minor or consent of instructor)
COMM 4062. Media Sales and Promotions (3) (P: COMM major or minor or consent of instructor)
COMM 4075. Media Criticism (3) (WI) (P: COMM major or minor or consent of instructor)
COMM 4240. International Electronic Mass Media Systems (3) (P: COMM major or minor or consent of instructor)
COMM 4250. Programming for the Electronic Media (3) (P: COMM major or minor or consent of instructor)

Communication Honors Program

The School 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 advisor, 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 advisor, 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.

SCHOOL OF MUSIC

J. Christopher Buddo, Director, A-118 A. J. Fletcher Music Center
Christopher Ulffers, Assistant Director for Administrative Support, A-119 A. J. Fletcher Music Center
Susan Beck-Frazier, Assistant Director for Student Services, A-122 A. J. Fletcher Music Center
Scott Carter, Chairperson, Instrumental Music, A-307a A. J. Fletcher Music Center
Janette Fishell, Chairperson, Keyboard Music, A-312 A. J. Fletcher Music Center
Michell 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
Sharon Munden, Chairperson, Vocal Studies, A-267 A. J. Fletcher Music Center

Admission

Prospective music majors and minors must be admitted both to the university and to the School of Music. Admission to the university does not guarantee admission to the School of Music. Admission to the School of Music is determined through a competitive audition process consisting of an acceptable personal or recorded performance and an evaluation of theory and aural skills. A satisfactory audition is required of all entering freshmen, transfer students, and students being readmitted. For detailed information, students should contact the Assistant Director for Administrative Support of the School of Music.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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. Specific audition guidelines are listed in the materials for application to 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 at the time of their audition 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.)

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, 2248, 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*.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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 2.5 GPA and a minimum cumulative 2.5 GPA in music courses at the end of the sophomore year. For admission to upper level theory-composition concentrations, a student must have a minimum cumulative 3.0 GPA in music courses at the end of the sophomore year.

BM in Music Education

See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **128 s.h.** as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
2. **Common core.....64 s.h.**

Core MUSC courses (30 s.h.):

MUSC 1156 (F), 1166 (S). Basic Musicianship (3,3)
MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1) (C for 1186: MUSC 1166)
MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (3,3,2) (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; C for 2176: MUSC 2156; C for 2186: MUSC 2166)
MUSC 2248 (F,S,SS). Music of the World's Peoples (2)
MUSC 3156 (F), 3166 (S). Conducting (1,1) (P: MUSC 2166, 2186)
MUSC 3176. Basic Musicianship V (2) (WI) (P: MUSC 2166, 2186)

Performance groups (7 s.h.):

Minimum of 5 semesters large ensemble
Music majors may count only two semester hours of Marching Band Field Experience (MUSC 1706, 1 s.h.) for large ensemble credit. Marching Band (MUSC 1705, 2 s.h.) may not count toward large ensemble credit for music majors. Music majors taking more than 2 s.h. of MUSC 1706 or 1705 must sign a release form to be made available in the music office and in the SOM Undergraduate Handbook. The form will help clarify that hours above the required 2 s.h. of MUSC 1706 will not count as part of the Music Education degree plan at ECU, and that these extra hours may lead to additional hours on a student's transcript before graduation. Wind and percussion majors must include two semesters of MUSC 1706. Marching Band Field Experience (1) (F)
Minimum of 2 semesters small ensemble
Keyboard and voice majors must include two semesters of MUSC 3287. Choral Laboratory (1) (F,S) (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)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 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: Admission to upper division; 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*) (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 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) (F,S,SS)

SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (P: Admission to upper division; 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 (1,1)
MUSC 1415. Woodwind Group (1) (F,S)
MUSC 1435. Brass Group (1) (F,S)
MUSC 1445. Percussion Group (1) (F,S)
MUSC 2315. String Class (1) (F)

Major Instrument: Strings

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)
MUSC 1205. Beginning Voice Group (1) (F)
MUSC 1415. Woodwind Group (1) (F,S)
MUSC 1435. Brass Group (1) (F,S)
MUSC 1445. Percussion Group (1) (F,S)
MUSC 3697. Introduction to String Teaching (2) (P: MUSC 2115; 2315)

Major Instrument: Voice

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)
MUSC 1415. Woodwind Group (1) (F,S)
MUSC 1435. Brass Group (1) (F,S)
MUSC 1445. Percussion Group (1) (F,S)
MUSC 2105, 2115. Intermediate Group Piano (1,1) (F,S) (P: MUSC 1115)
MUSC 2315. String Class (1) (F)

Major Instrument: Wind or Percussion

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)
MUSC 1205. Beginning Voice Group (1) (F)
MUSC 1415. Woodwind Group (1) (F,S)
MUSC 1435. Brass Group (1) (F,S)
MUSC 1445. Percussion Group (1) (F,S)
MUSC 2315. String Class (1) (F)
Choose 1 s.h. MUSC elective in consultation with advisor.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BM in Music Therapy

Minimum degree requirement is **128 s.h.** as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (FC:SC)
   BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: Science course)
   Recommended:
   ANTH 1000. Introduction to Anthropology (3) (F,S,SS) (FC:SO)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 2201. Psychology of Childhood (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060 or equivalent) or PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
2. **Common core.....64 s.h.**

Core MUSC courses (30 s.h.):

MUSC 1156 (F), 1166 (S). Basic Musicianship (3,3)
MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1) (C for 1186: MUSC 1166)
MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (3,3,2) (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; C for 2176: MUSC 2156; C for 2186: MUSC 2166)
MUSC 2248. Music of the World's Peoples (2) (F,S,SS)
MUSC 3156 (F), 3166 (S). Conducting (1,1) (P: MUSC 2166, 2186)
MUSC 3176. Basic Musicianship V (2) (WI) (P: MUSC 2166, 2186)

Music therapy (22 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)
MUSC 5997. Clinical Internship (1)

Professional studies (5 s.h.):

PSYC 4375. Abnormal Psychology (3) (F,S,SS) (P: PSYC 1000 or 1060)
SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)

Performance groups (7 s.h.):

Minimum of 5 semesters large ensemble
Minimum of 2 semesters small ensemble

Music majors may count only two semester hours of Marching Band Field Experience (MUSC 1706, 1 s.h.) for large ensemble credit. Marching Band (MUSC 1705, 2 s.h.) may not count toward large ensemble credit for music majors. Music majors taking more than 2 s.h. of MUSC 1706 or 1705 must sign a release form to be made available in the music office and in the SOM Undergraduate Handbook. The form will help clarify that hours above the required 2 s.h. of MUSC 1706 will not count as part of the Music Education degree plan at ECU, and that these extra hours may lead to additional hours on a student's transcript before graduation. The music therapy program is affiliated with the American Music Therapy Association and leads to the designation of Registered Music Therapist (RMT).

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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. 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. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.
Music Theatre:
THEA 1010. Introduction to Acting I (3) (F,S,SS) (FC:FA)
THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)
Sacred Music:
Recommended:
PHIL 1695. Introduction to the Old Testament (3) (F,) (FC:HU)
PHIL 1696. Introduction to the New Testament (3) (S) (FC:HU)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Voice Performance:

Recommended:

DNCE 1011. Ballet I (3) (F) (FC:FA) or DNCE 1012. Contemporary Dance I (3) (F) (FC:FA) or DNCE 1013. Jazz Dance I (3) (F) (FC:FA)

THEA 1010. Introduction to Acting I (3) (F,S,SS) (FC:FA)

2. Common core (Core MUSC courses) ..... 30 s.h.

MUSC 1156 (F), 1166 (S). Basic Musicianship (3,3)

MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1) (C for 1186: MUSC 1166)

MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (3,3,2) (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; C for 2176: MUSC 2156; C for 2186: MUSC 2166)

MUSC 2248. Music of the World's Peoples (2) (F,S,SS)

MUSC 3156 (F), 3166 (S). Conducting (1,1) (P: MUSC 2166, 2186)

MUSC 3176. Basic Musicianship V (2) (WI) (P: MUSC 2166, 2186)

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 (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 (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) (F,S) (P: Acceptance in performance degree program; consent of instructor)

Performance groups (10 s.h.):

Minimum of 2 semesters selected from:

MUSC 1706. Marching Band Field Experience (1) (F)

MUSC 1715. Concert Band (1) (F,S)

MUSC 1735. Wind Ensemble (1) (F,S)

MUSC 1745. Symphony Orchestra (1) (F,S) (C: MUSC 1755)

MUSC 1765. Symphonic Band (1) (S)

Choose 8 s.h. from the following:

MUSC 1775. Jazz Ensemble (1) (F,S)

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 9.
(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

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) (FC:FA)
DNCE 1013. Jazz Dance I (3) (F) (FC:FA)
DNCE 1023. Jazz Dance II (3) (S)
THEA 2001. Stage Scenery I (3) (F,S) (FC:FA)
THEA 3090. Musical Theatre Performance Techniques I (3) (F) (P: THEA 1020; demonstrated vocal skill; and/or consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Choose 6 s.h. from:
THEA 3003. Stage Lighting (3) (F,S) (P: Consent of instructor)
THEA 3007. Costume Design (3) (F,S) (FC:FA)
THEA 3070. Directing I (3) (WI) (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 (1,1)
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.):
MUSIC 2125 (F02), 2135 (S03). Basic Keyboard Skills (1,1)
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

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Pedagogy (6 s.h.):
MUSIC 2125, 2135. Basic Keyboard Skills (1,1)
MUSC 3707. Foundations and Principles of Piano Pedagogy (2)
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 (1,1)
MUSIC 2125, 2135. Basic Keyboard Skills (1,1)
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) (P: MUSC 2416)
MUSC 4526, 4527. Philosophy and Practice of Sacred Music (2,2) (P for 4527: MUSC 4526 or consent of instructor)
MUSC 4528. Sacred Music Intership (1) (F,S) (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 (1,1) (F,S)
MUSC 2105, 2115. Intermediate Group Piano (1,1) (F,S) (P: MUSC 1115)
1 s.h. piano or organ, in consultation with the degree advisor
(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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

MUSC 1647. German Diction for Singers (2)
MUSC 3637. Voice Pedagogy (3)

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) (P: MUSC 2416)
MUSC 4526, 4527. Philosophy and Practice of Sacred Music (2,2) (P for 4527: MUSC 4526 or consent of instructor)
MUSC 4528. Sacred Music Internship (1) (F,S) (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) (F,S)
MUSC 2105, 2115. Intermediate Group Piano (1,1) (F,S) (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) (F,S) (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) (F,S)

Performance groups for guitar majors:

Minimum of 8 semesters of MUSC 1805. String Chamber Music (1) (F,S) and 4 semesters of large ensemble
Music history and literature electives (6 s.h.)

Free electives (5 s.h.)

Voice Performance:

Applied music (18 s.h.):

16 s.h. voice
Present a half junior recital and a full senior recital
2 s.h. minor
Students are required to pass a departmental piano proficiency examination. In preparation for the exam, students must enroll in MUSC 1305,1315 (Functional piano for singers) for 2 semesters. Students desiring further preparation may take piano minor, piano accompanying, MUSC 1105, 1115, 2105, and/or 2115 for no credit.
Music history and literature (4 s.h.):
MUSC 4496. Opera History (2) (WI) (P: MUSC 2416)
MUSC 4596. Historical Development of Solo Vocal Literature (2) (WI) (P: MUSC 2416)

Performance groups (10 s.h.):

Minimum of 8 semesters large choral ensemble
Minimum of 2 semesters of opera workshop or theater

Foreign language and diction (21 s.h.):

Minimum of 6 s.h. FREN
Minimum of 6 s.h. GERM
Minimum of 3 s.h. ITAL
MUSC 1627. Italian Lyric Diction for Singers (2) (F)
MUSC 1637. French Lyric Diction for Singers (2) (S)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 1647. German Lyric Diction for Singers (2) (S)

Voice pedagogy (3 s.h.):

MUSC 3637. Voice Pedagogy (3) (S)

Wind Performance:

Applied music (28 s.h.):

24 s.h. major instrument

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)

MUSC 2105, 2115. Intermediate Group Piano (1,1) (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

Music majors may count only two semester hours of Marching Band Field Experience (MUSC 1706, 1 s.h.) for large ensemble credit. Marching Band (MUSC 1705, 2 s.h.) may not count toward large ensemble credit for music majors. Music majors taking more than 2 s.h. of MUSC 1706 or 1705 must sign a release form to be made available in the music office and in the SOM Undergraduate Handbook. The form will help clarify that hours above the required 2 s.h. of MUSC 1706 will not count as part of the Music Education degree plan at ECU, and that these extra hours may lead to additional hours on a student's transcript before graduation.

Minimum of four semesters small ensemble.

Percussion Performance:

Applied music (28 s.h.):

24 s.h. major instrument

MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)

MUSC 2105, 2115. Intermediate Group Piano (1,1) (F,S) (P: MUSC 1115)

Present a half junior recital and a full senior recital

Pedagogy (3 s.h.):

MUSC 4660. Percussion Pedagogy and Literature (3) (P: Upper division standing in applied music)

Performance groups (12 s.h.):

Minimum of 8 semesters large ensemble

Music majors may count only two semester hours of Marching Band Field Experience (MUSC 1706, 1 s.h.) for large ensemble credit. Marching Band (MUSC 1705, 2 s.h.) may not count toward large ensemble credit for music majors. Music majors taking more than 2 s.h. of MUSC 1706 or 1705 must sign a release form to be made available in the music office and in the SOM Undergraduate Handbook. The form will help clarify that hours above the required 2 s.h. of MUSC 1706 will not count as part of the Music Education degree plan at ECU, and that these extra hours may lead to additional hours on a student's transcript before graduation.

Minimum of four 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

For admission to upper level theory-composition concentrations, a student must have a minimum 3.0 GPA in music courses at the end of the sophomore year. Minimum degree requirement is **128 s.h.** as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Recommended:

PHYS 1050. Physics and the Environment (4) (F,S,SS) (FC:SC)
PHYS 1090. Physics of Sound (3) (S) (FC:SC)
PHYS 1091. Physics of Sound Laboratory (1) (S) (FC:SC)

2. Common core.....58 s.h.

Core MUSC courses (30 s.h.):

MUSC 1156 (F), 1166 (S). Basic Musicianship (3,3)
MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1) (C for 1186: MUSC 1166)
MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (3,3,2) (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; C for 2176: MUSC 2156; C for 2186: MUSC 2166)
MUSC 2248. Music of the World's Peoples (2) (F,S,SS)
MUSC 3156 (F), 3166 (S). Conducting (1,1) (P: MUSC 2166, 2186)
MUSC 3176. Basic Musicianship V (2) (WI) (P: MUSC 2166, 2186)

Applied music (20 s.h.):

14 s.h. major instrument
Present half senior recital
MUSC 1105, 1115. Beginning Group Piano (1,1) (F,S)
MUSC 2105, 2115. Intermediate Group Piano (1,1) (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.

Performance groups (6 s.h.):

Minimum of 4 semesters large ensemble
Music majors may count only two semester hours of Marching Band Field Experience (MUSC 1706, 1 s.h.) for large ensemble credit. Marching Band (MUSC 1705, 2 s.h.) may not count toward large ensemble credit for music majors. Music majors taking more than 2 s.h. of MUSC 1706 or 1705 must sign a release form to be made available in the music office and in the SOM Undergraduate Handbook. The form will help clarify that hours above the required 2 s.h. of MUSC 1706 will not count as part of the Music Education degree plan at ECU, and that these extra hours may lead to additional hours on a student's transcript before graduation.

3. Concentration area (Choose one.).....30 s.h.

Theory-Composition, Theory:

Advanced theory (11 s.h.):

MUSC 4327. Counterpoint (3) (F)
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 (4 s.h.)
Free electives (5 s.h., 9 s.h. for keyboard majors)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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 (14 s.h.)

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 (14 s.h.)

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 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 (8 s.h.)

MUSC 4327. Counterpoint (3) (F)
MUSC 4328. Language of Post-tonal Music (3) (S-EY)
Choose one of the following:
MUSC 4536. Introduction to Schenkerian Analysis (3) (S-OY) (P: MUSC 2166; or consent of instructor)
MUSC 5336. Advanced Orchestration (2)

Free electives (2 s.h., 6 s.h. for keyboard majors)

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)
   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) (FC: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) (FC:FA)
   MUSC 1855. Jazz Chamber Music (1) (F,S)

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 (3,3)
   MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1) (C for 1186: MUSC 1166)
   MUSC 1406 (S), 2406 (F), 2416 (S). Music History and Literature (3,3,2) (WI, WI, WI)
2. **Applied Music.....8 s.h.**
   6 s.h. primary performance medium
   2 s.h. piano (MUSIC 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.**

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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) (FC: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) (FC:FA)
   MUSC 1855. Jazz Chamber Music (1) (F,S)

Certificate in Suzuki Pedagogy

This program is for students holding an undergraduate degree in a field other than music, who have an extensive background in musical study and highly developed performance skills and music course work equivalent to an undergraduate major in music. Current upper-level undergraduate music degree students may be admitted upon the recommendation of the program director.

Students in the program must complete **16 s.h.** of Suzuki pedagogy course work with a minimum grade of B, a written pedagogical project and a full solo recital. The recital must include advanced repertoire from the Suzuki Violin School and supplementary literature. Certificate candidates must exhibit a thorough understanding of the Suzuki approach to pedagogy and its materials through demonstration teaching and the written project. Students who complete the certificate program will qualify for registration with the Suzuki Association of the Americas.

Minimum certificate requirement is **16 s.h.** of credit as follows: MUSC 4644, 4646, 4647, 4648, 4649, 4650, 4654, 4656.

SCHOOL OF THEATRE AND DANCE

John Shearin, Director, 105 Messick Building

BFA in Dance

In order to declare a major in dance, a student 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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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 (1,1) (F,S) (P: Consent of instructor)
   DNCE 4044. History of Dance I (3) (WI) (F) (FC:FA)
   DNCE 4045. History of Dance II (3) (WI) (S) (FC: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)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Theatre (21 s.h.):

THEA 2001. Stage Scenery I (3) (F,S) (FC:FA)
THEA 2015. Voice and Articulation (3) (F,S,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) (F,S,SS) (FC:FA)
THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)
THEA 2002. Stage Scenery II (3) (F,S) (FC:FA) (P: THEA 2001)
THEA 2006. The Art of Make-up (2) (F,S) (P: THEA major)
THEA 3003. Stage Lighting (3) (F,S) (P: Consent of instructor)
THEA 3004. Scenery Design I (3) (F) (P: THEA 2002 or consent of instructor)
THEA 3007. Costume Design (3) (F,S) (FC: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) (FC:FA)
THEA 4065. Stage Management (3) (F,S) (FC:FA) (P: At least 2 of the following courses: THEA 2001, 2002, 3003, 3007 or consent of instructor.)
THEA 4066. Theatre Management (3) (F,S) (FC: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) (F,S) (FC:FA)
MUSC 2208. Music Appreciation (2) (F,S,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) (F,S,SS)
Choose one from:
ART 1001. Color and Design (3) (F,S,SS)
ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 1907. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
MUSC 1008. Music Theory for Nonmusic Majors (3) (F,S) (FC:FA) (P: Ability to read music or consent of instructor)
MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (F,S,SS) (FC:FA)
PHIL 2271. Introduction to Philosophy of Art (3) (WI*) (F,S) (FC:FA)

5. Electives to complete requirements for graduation.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BFA in Dance Education

In order to declare a major in dance education, a student 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 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **128 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.)*

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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) (F,S,SS) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (WI) (F, S, SS) (FC:SO) (P: PSYC 1000 or 1060)
   Choose a history course
   Choose a literature course
2. **Core.....56-57 s.h.**
   Dance (18-19 s.h.):
   DNCE 2200. Creative Dance and Drama for the Elementary School (2) (S)
   DNCE 2201. Dance Improvisation I (1) (F)
   DNCE 2202. Dance Improvisation II (1) (S) (P: DNCE 2201 or consent of instructor)
   DNCE 4044. History of Dance I (3) (WI) (F) (FC:FA)
   DNCE 4045. History of Dance II (3) (WI) (S) (FC: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 1001) or DNCE 3603. Selected Topics in Dance (3) (F,S,SS) (FC:FA) or DNCE 3703 (3) (FC: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) (FC:FA)
   THEA 4065. Stage Management (3) (F,S) (FC:FA) (P: At least 2 of the following courses: THEA 2001, 2002, 3003, 3007 or consent of instructor.)
   Choose 3 s.h. from:
   THEA 1010. Introduction to Acting I (3) (F,S,SS) (FC:FA)
   THEA 2002. Stage Scenery II (3) (F,S) (FC: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) (FC:FA)
   THEA 4030. Creative Dramatics (3) (F) (FC:FA)
   THEA 4066. Theatre Management (3) (F,S) (FC:FA)
3. **Professional courses.....27 s.h.**
   DNCE 2190. Early Experiences for the Prospective Dance Educator (1) (F)
   DNCE 4323. Perspectives on Dance Education, Grades K-12 (3) (WI) (F,S) (P: P: Admission to upper division; 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)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

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) (P: Admission to upper division; 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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all 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) (FC:FA)
   THEA 2001. Stage Scenery I (3) (F,S) (FC: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) (FC:FA)
   THEA 3003. Stage Lighting (3) (F,S) (P: Consent of instructor)
   THEA 3007. Costume Design (3) (F,S) (FC:FA)
   THEA 3035. Theatre History-Literature II (3) (WI*) (F-03) (FC:FA)
   THEA 3036. Theatre History-Literature III (3) (WI*) (FC:FA)
   Choose 12 s.h. of THEA electives.
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. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   ENGL 3330. Early Twentieth Century Drama (3) (WI) (F-EY) (FC:HU) (P: ENGL 1200)
   ENGL 3340. Contemporary Drama (3) (WI) (F-OY) (FC:HU) (P: ENGL 1200)
2. **Core.....21 s.h.**
   THEA 1010. Introduction to Acting I (3) (F,S,SS) (FC:FA)
   THEA 2001. Stage Scenery I (3) (F,S) (FC:FA)
   THEA 2015. Voice and Articulation (3) (F,S,SS) (P: Intended DNCE or THEA major)
   THEA 2035. Theatre History-Literature I (3) (WI*) (S) (FC:FA)
   THEA 3003. Stage Lighting (3) (F,S) (P: Consent of instructor)
   THEA 3007. Costuming (3) (F,S)
   THEA 3035. Theatre History-Literature II (3) (F) (WI*) (FC:FA)
3. **Concentration area (Choose one.).....44-63 s.h.**
   Musical Theatre (60-63 s.h.):
   Dance (17 s.h.):
   DNCE 3014. Fundamentals of Tap Dance (1) (F) (FC: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.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Music (13-16 s.h.):

MUSC 1008. Music Theory for Nonmusic Majors (3) (F,S) (FC: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) (FC:FA) or MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1)

*MUSC 1108 (F), 1118 (S). Nonmusic Major Group Voice (1,1) (FC:FA)

*MUSC 1208, 1218. Nonmusic Major Group Piano (1,1) (F,S) (FC: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 (2) (F,S) (P: THEA major)

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.

THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)

THEA 2002. Stage Scenery II (3) (F,S) (FC:FA) (P: THEA 2001) or THEA 4065. Stage Management (3) (F,S) (FC:FA) (P: At least 2 of the following courses: THEA 2001, 2002, 3003, 3007 or consent of instructor.)

THEA 2006. The Art of Make-up (2) (F,S) (P: THEA major)

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) (F,S) (P: THEA 1020)

THEA 2018. Stage Combat: Unarmed (3) (F,S) (P:THEA 2017)

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 3018. Movement for Actors II: Physical Characterization (3) (F,S) (P: THEA 2017)

THEA 3020. Professional Acting Technique IV (3) (S) (P: THEA 3010)

THEA 3025. Intermediate Voice and Articulation (3) (F,S) (P: THEA 2015 or consent of instructor)

THEA 3036. Theatre History-Literature III (3) (WI*) (S) (FC: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) (WI) (F) (P: Consent of instructor)

THEA 4041. Directing II (3) (WI) (S) (P: THEA 4040; consent of instructor)

THEA 4070. Professional Preparation and Audition Technique for Actors (3) (WI) (S) (P: THEA 4025)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Stage Management (57 s.h.):

To move successfully through the program to graduation, the BFA stage management candidate will be reviewed annually by a faculty jury consisting of the stage management supervisor, one ECU Playhouse director, one design-production faculty member, and the department chairman. The candidate must demonstrate to the jury that s/he is progressing and developing both scholastically and in stage management skills, as evidenced in both course work and in practice. A student who fails to pass the annual jury, who wishes to remain a department major, will be referred to the BA degree program in Theatre Arts.

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*) (FC: FA)
THEA 4025. Television and Film Practicum for the Actor I (3) (F) (P: THEA 3020 or consent of instructor)
THEA 4040. Directing I (3) (WI) (F)
THEA 4041. Directing II (3) (WI) (S) (P: THEA 4040; consent of instructor)
THEA 4065. Stage Management (3) (F,S) (FC:FA)
THEA 4066. Theatre Management (3) (F,S) (FC:FA)
THEA 4099. Design and Production Portfolio (1) (P: Junior or senior standing; consent of instructor)
Choose a minimum of 13 s.h. from the following (each course may be repeated up to three times, and THEA 4444 must be taken at least once):
THEA 1111 Apprentice Level Production (1) (F,S,SS) (P: Consent of instructor)
THEA 2222 Intern Level Production (2) (F,S,SS) (P: Consent of instructor)
THEA 3333 Journeyman Level Production (3) (F,S,SS) (P: Consent of instructor)
THEA 4444 Master Level Production (4) (F,S,SS) (P: Consent of instructor)
Choose a minimum of 19 s.h. from:
Up to 12 s.h. DNCE course from ballet, contemporary, or jazz area
THEA 2002. Stage Scenery II (3) (F,S) (FC:FA) (P: THEA 2001)
THEA 2006. The Art of Make-up (2) (F,S) (P: THEA major)
THEA 2009. Decor and Ornament for the Stage (3) (FC:FA)
THEA 2010. Professional Acting Technique I (3) (F) (P: THEA 1020; audition and faculty jury)
THEA 2020. Professional Acting Technique II (3) (S) (P: THEA 2010)
THEA 3010. Professional Acting Technique III (3) (F) (P: THEA 2020)
THEA 3020. Professional Acting Technique IV (3) (S) (P: THEA 3010)
THEA 3005. Scenery Design II (3) (P: THEA 3004)
THEA 3008. Advanced Costume Design (3) (P: THEA 3007 or consent of instructor)
THEA 3015. Oral Interpretation (3) (F) (P: THEA 2015 or consent of instructor)
THEA 3050. Advanced Acting I (3) (F) (P: THEA 1020)
THEA 3060. Advanced Acting II (3) (S) (P: THEA 3050)
THEA 3501, 3502, 3503. Independent Study in Theatre (1,2,3) (F,S)
THEA 3601, 3602, 3603. Selected Topics in Theatre (1,2,3) (F,S)
THEA 4003. Advanced Stage Lighting (3) (P: THEA 3003 or consent of instructor)

Theatre Design and Production (55 s.h.):

ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910) or ART 1907. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
THEA 2002. Stage Scenery II (3) (F,S) (FC:FA) (P: THEA 2001)
THEA 2003. Scene Painting (3) (FC:FA) (P: THEA 2001, 2002)
THEA 2009. Decor and Ornament for the Stage (3) (FC:FA)
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*) (FC:FA)
THEA 4065. Stage Management (3) (F,S) (FC:FA) (P: At least 2 of the following courses: THEA 2001, 2002, 3003, 3007 or consent of instructor.)
THEA 4099. Design and Production Portfolio (1) (P: Junior or senior standing; consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Choose one from:
3 s.h. DNCE course from ballet, contemporary, or jazz area
THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)
THEA 4041. Directing II (3) (WI) (S) (P: THEA 4040; consent of instructor)

Choose a minimum of 14 s.h. from:
THEA 2006. The Art of Make-up (2) (F,S) (P: THEA major)
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) (F,S)
THEA 3601, 3602, 3603. Selected Topics in Theatre (1,2,3) (F,S)
THEA 4003. Advanced Stage Lighting (3) (P: THEA 3003 or consent of instructor)
THEA 4040. Directing I (3) (WI) (F)
THEA 4066. Theatre Management (3) (F,S) (FC:FA)

Choose a minimum of 13 s.h. from the following (each course may be repeated up to three times, and THEA 4444 must be taken at least once):
THEA 1111. Apprentice Level Production (1) (F,S,SS) (P: Consent of instructor)
THEA 2222. Intern Level Production (2) (F,S,SS) (P: Consent of instructor)
THEA 3333. Journeyman Level Production (3) (F,S,SS) (P: Consent of instructor)
THEA 4444. Master Level Production (4) (F,S,SS) (P: Consent of instructor)

4. Electives (Choose from the following).....12 s.h.

THEA 2004. Introduction to Theatrical Properties (3) (S) (P: THEA 2001)
THEA 2010. Professional Acting Technique I (3) (F) (P: Audition and faculty jury; THEA 1020)
THEA 2020. Professional Acting Technique II. (3) (S) (P: THEA 2010)
THEA 3005. Scenery Design II (3) (S) (P: THEA 3004)
THEA 3010. Professional Acting Technique III. (3) (F) (P: THEA 2020)
THEA 3018. Movement for Actors II: Physical Characterization (3) (F,S) (P: THEA 2017)
THEA 3020. Professional Acting Technique IV (3) (S) (P: 3010)
THEA 3025. Intermediate Voice and Articulation (3) (S) (P: THEA 2015 or consent of instructor)
THEA 3050. Advanced Acting I (3) (F)
THEA 3019. Stage Combat: Rapier and Dagger (3) (F,S) (P: THEA 2018)
THEA 4003. Advanced Stage Lighting. (3) (F) (P: THEA 3003 or consent of instructor)
THEA 4018. Stage Combat: Broadsword and Quarterstaff (3) (F,S) (P: THEA 2018)
THEA 4040. Directing I (3) (WI) (F) (P: THEA 2035, 3035, 3036; 3020 or 3050)
THEA 4065. Stage Management (3) (F,S) (FC:FA) (P: At least 2 of the following courses: THEA 2001,2002, 3003,3007 or consent of the instructor)

5. 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 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **128 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.

PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 2201. Psychology of Childhood (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060 or equivalent) or PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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:
ENGL 3330. Early Twentieth Century Drama (3) (WI) (F-EY) (FC:HU) (P: ENGL 1200)
ENGL 3340. Contemporary Drama (3) (WI) (F-OY) (FC:HU) (P: ENGL 1200)
ENGL 4070. Shakespeare: The Histories (3) (WI) (F-EY) (FC:HU) (P: ENGL 1200)
ENGL 4080. Shakespeare: The Comedies (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)
ENGL 4090. Shakespeare: The Tragedies (3) (WI) (F,S,SS) (FC:HU) (P: ENGL 1200)

2. Core.....53 s.h.

DNCE 1011. Ballet I (3) (F) (FC:FA) or DNCE 1012. Contemporary Dance I (3) (F) (FC:FA) or DNCE 1013. Jazz Dance I (3) (F) (FC:FA)
THEA 1010. Introduction to Acting I (3) (F,S,SS) (FC:FA)
THEA 1020. Introduction to Acting II (3) (S) (P: THEA 1010)
THEA 2001. Stage Scenery I (3) (F,S) (FC:FA)
THEA 2006. The Art of Make-up (2) (F,S) (P: THEA major; C: THEA 2007)
THEA 2015. Voice and Articulation (3) (F,S,SS) (P: Intended DNCE or THEA major)
THEA 2035. Theatre History-Literature I (3) (WI*) (S) (FC:FA)
THEA 3003. Stage Lighting (3) (F,S) (P: Consent of instructor)
THEA 3004. Scenery Design I (3) (F) (P: THEA 2002 or consent of instructor)
THEA 3007. Costume Design (3) (F,S) (FC:FA)
THEA 3015. Oral Interpretation (3) (S) (P: THEA 2015 or consent of instructor)
THEA 3035. Theatre History-Literature II (3) (WI*) (F) (FC:FA)
THEA 3036. Theatre History-Literature III (3) (WI*) (S) (FC:FA)
THEA 4030. Creative Dramatics (3) (S) (FC:FA)
THEA 4040. Directing I (3) (WI) (F) (P: THEA 1010 or 2020)
THEA 4041. Directing II (3) (WI) (S) (P: THEA 4040; consent of instructor)
THEA 4065. Stage Management (3) (F,S) (FC:FA) (P: At least 2 of the following courses: THEA 2001, 2002, 3003, 3007 or consent of instructor.)
THEA 4066. Theatre Management (3) (F,S) (FC:FA)

3. Professional courses.....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)
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) (P: Admission to upper division; RP: SPED 2000)
THEA 2123. Early Experiences for the Prospective Teacher (1)
THEA 4323. The Teaching of Theatre Arts in Grades K-12 (3) (P: Admission to upper division)
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)

4. Electives to complete requirements for graduation

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

COLLEGE OF HEALTH AND HUMAN PERFORMANCE

Glen Gilbert, Dean, 60 Minges Coliseum
Sharon Knight, Associate Dean, 79 Minges Coliseum
Susan A. McGhee, Associate Dean, 72 Minges Coliseum

The College 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 college provide a foundation for professional practice in the fields of health education, exercise and sport science, and recreation. The College of Health and Human Performance offers baccalaureate and master's degree programs through its Departments of Health Education and Promotion, Exercise and Sport Science, and Recreation and Leisure Studies and a PhD program in the Department of Exercise and Sport Science.

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

Peter Farrell, Chairperson, 176 Minges Coliseum

BA in Exercise and Sport Science

A minimum cumulative 2.0 GPA, 32 s.h. foundations curriculum and successful completion of the health-related physical fitness test are required for admission to the exercise and sport science major. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
   BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
   BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
   CHEM 1020. General Descriptive Chemistry (4) (FC:SC)
2. **Foreign language through level 1004 ..... 12 s.h.**
3. **Core..... 33 s.h.**
   EXSS 2000. Introductory Exercise and Sport Science (3) (F,S,SS)
   EXSS 2202. Motor Learning and Performance (3) (F,S,SS)
   EXSS 2850. Structural Kinesiology (1) (F,S,SS)
   EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: Health and human performance major or minor or consent of dept chair; BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850)
   EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
   EXSS 4300. Program Development and Management in Physical Education and Sports (2) (F,S,SS) (P: EXSS 2000 or 2323; or consent of instructor)
   HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
   HLTH 3010. Health Problems I (3) (F) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
   Choose 12 s.h. approved EXSS electives
4. **Cognates..... 4 s.h.**
   BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)
5. **Minor and electives to complete requirements for graduation.**

BS in Exercise Physiology

The 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. foundations curriculum, and successful completion of the health-related physical fitness requirement are required for admission. A minimum grade of C is required in BIOL 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 2140, 2141, 2150, 2151; CHEM 1160, 1161; and all required EXSS courses. Minimum degree requirement is **126 s.h.** of credit as follows:

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
   CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
2. **Core.....42 s.h.**
   EXSS 2000. Introductory Exercise and Sport Science (3) (F,S,SS)
   EXSS 2850. Structural Kinesiology (1) (F,S,SS)
   EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: Health and human performance major or minor or consent of dept chair; BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850)
   EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2140, 2141, 2150, 2151; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
   EXSS 3806. Physiology of Exercise Laboratory (1) (F,S,SS) (P/C: EXSS 3805)
   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 4809. Exercise Prescription for Clinical Populations (3) (F,S,SS) (P: EXSS 4806)
   EXSS 4991. Independent Research in Exercise Physiology (3) (WI*) (F,S) (P: EXSS 4806; or consent of exercise physiology degree director)
   EXSS 4992. Research Internship in Exercise Physiology (12) (F,S) (P: Completion of all other requirements for the exercise physiology degree 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)
   Choose 6 s.h. approved electives
3. **Cognates.....38 s.h.**
   BIOL 2140, 2150. Human Physiology and Anatomy (3,3) (P for 2150: BIOL 2140; C for 2141: BIOL 2140; C for 2151: BIOL 2150)
   BIOL 2141, 2151. Human Physiology and Anatomy Laboratory (1,1)
   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)
   CHEM 1160, 1161. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC: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)
   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)
   NUTR 1000. Contemporary Nutrition (3) (F,S,SS) or NUTR 2105. Nutrition Science (3) (F,S,SS)
   PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
4. **Electives to complete requirements for graduation.....4 s.h.**

BS in Exercise Physiology/Doctorate of Physical Therapy

The BS/DPT program provides a means by which undergraduate students at East Carolina University enroll in the program of exercise physiology with the intention of preparing for a professional doctoral degree path in physical therapy (DPT). The student in this program will count 15 s.h. of graduate physical therapy course work towards the BS in exercise physiology. The student will complete the DPT in six years for a total of 217 s.h. This course work includes all foundations curriculum courses, core requirements for the undergraduate degree, and prerequisites and core requirements for the DPT. A student may be granted provisional acceptance to the DPT program after their second year of study based on competitive academic

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

qualifications. Upon successful completion of the first year of the DPT degree, BS /DPT students are awarded the appropriate bachelor's degree.

BS in Health Fitness Specialist

The health fitness specialist program is endorsed by the American College of Sports Medicine (ACSM) as providing all competencies necessary for the ACSM Health Fitness Instructor® certificate exam. This program provides competencies and knowledge for students to develop and conduct health and fitness programs in commercial, corporate, clinical and community settings. A minimum cumulative 2.0 GPA is required for admission as well as successful completion of the EXSS health-related fitness test. 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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
   BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
   CHEM 1020. General Descriptive Chemistry (4) (F,S) (FC:SC)
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
2. **Core.....48 s.h.**
   EXSS 1101. Physical Conditioning (1) (F,S,SS) (P: EXSS 1000 or 1001)
   EXSS 1114. Aerobic Dance (1) (F,S,SS) (P: EXSS 1000 or 1001)
   EXSS 2000. Introductory Exercise and Sport Science (3) (F,S,SS)
   EXSS 2202. Motor Learning and Performance (3) (F,S,SS)
   EXSS 2850. Structural Kinesiology (1) (F,S,SS)
   EXSS 3804. Measurement of Physical Activity and Fitness (3) (F,S,SS) (P: ASIP 2112 or MIS 2223; EXSS 2000; or consent of instructor)
   EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: Health and human performance major or minor or consent of dept chair; BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850)
   EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850; PHYS 1250,1251; or consent of instructor)
   EXSS 3880. Personal Fitness Training (3) (F,S,SS) (P: EXSS 3805)
   EXSS 4806. Exercise Evaluation and Prescription (4) (WI) (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) (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 4200. Planning and Evaluation in Worksite Health Promotion (3) (F,S,SS) (P: Completion of core courses)
   Choose a minimum of an additional 2 s.h. approved EXSS electives
   Choose 9 s.h. from the following HLTH classes:
   ATEP 2800. Medical Nomenclature in Human Performance (2) (F) (P: HLTH 1000)
   ATEP 3350. Concepts in Pharmacology (3) (F)
   HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
   HLTH 2220, 2221. Basic Athletic Training (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2220: HLTH 2221; C for 2221: HLTH 2220)
   HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
   HLTH 3030. Health Behavior (3) (WI) (F,S,SS) (P: HLTH 1000 or 1050; PSYC 1000)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

HLTH 4000. Methods of Training and Staff Development (4) (P: PSYC 3221 or consent of instructor)
HLTH 4604. Applied Principles of Health Promotion (3) (F,S) (P: BIOL 2130 or 2140; NUTR 2105; PSYC 1000; or consent of instructor)
HLTH 5900. Stress Management (3) (S) P: Undergraduate course in anatomy and physiology; graduate standing; or consent of instructor)

3. Cognates.....15 s.h.

ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS) or MIS 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)
CHEM 1021. General Descriptive Chemistry Laboratory (1) (F,S) (FC:SC)
NUTR 2105. Nutrition Science (3) (F,S,SS)
PHYS 1250. General Physics (3) (F,S,SS) (FC:SC) (P: MATH 1065)
PHYS 1251. General Physics Laboratory (1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350)

4. Internship.....12 s.h.

EXSS 4800. Internship in Exercise and Sport Science (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, CBT or documented scores on SAT/ACT), 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. A minimum grade of C is required in EXSS 2123 and EXSS 4323. See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **122 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. Foundations curriculum and special requirements for students preparing to teach and for certification (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.

BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (FC:SC), or BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
PHYS 1250. General Physics (3) (F,S,SS) (FC:SC) (P: MATH 1065)
PHYS 1251. General Physics Laboratory (1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350)

2. Core.....44 s.h.

EXSS 2122. Motor Development (2) (F,S) (P: BIOL 2130; EXSS 2850; 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 or 1001)
EXSS 2600. Children's Movement Patterns (2) (F,S,SS) (P: EXSS 1000 or 1001)
EXSS 2700. Gymnastics in the Schools (2) (F,S,SS) (P: EXSS 1000 or 1001)
EXSS 2850. Structural Kinesiology (1) (F,S,SS)
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 or 1001)
EXSS 3520. Team Sports (1) (F,S,SS) (P: Declared EXSS major; EXSS 1000 or 1001)
EXSS 3530. Field Sports (1) (F,S,SS) (P: Declared EXSS major; EXSS 1000 or 1001)
EXSS 3540. Track and Field/Physical Conditioning (1) (F,S,SS) (P: Declared EXSS majors; EXSS 1000 or 1001)
EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: Health and human performance major or minor or consent of dept chair; BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
EXSS 3900. Elementary School Instruction in Physical Education (3) (F,S) (P: Upper division standing; EXSS 2122, 2500, 2600, 2700, 2900)
EXSS 3906. Physical Education for Special Populations (3) (WI) (F,S,SS) (P: Upper division standing; EXSS 2323; SPED 2000; or consent of instructor)
EXSS 3910. Diversity Issues in Teaching Physical Education (3) (F,S) (P: Upper division standing)
EXSS 4300. Program Development and Management in Physical Education and Sports (2) (F,S) (P: EXSS 2000 or 2323; or consent of instructor)
EXSS 4400. Creating Positive Learning Environments in Physical Education (3) (F,S) (P: Upper division standing; C: EXSS 4323)
EXSS 4804. Measurement and Evaluation in Exercise and Sport Science (3) (F,SS) (P: Upper division standing; EXSS 2323; MATH 1065; health and human performance major or minor or consent of dept chair)

3. **Cognates.....4 s.h.**
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)

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 standing; EXSS 3510, 3520, 3530, 3540, 3900; P/C: 4804; C: EXSS 4400)
EXSS 4324. Internship in Exercise and Sport Science (9) (F,S) (P: Upper division standing; completion of upper-division courses, except READ 3990, EXSS 4325; C: EXSS 4325)
EXSS 4325. Internship Seminar: Issues in Physical Education (1) (F,S) (P: Upper division standing; 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 College of Education, Academic Concentration. A maximum of 6 s.h. may count toward foundations curriculum requirements.) **.....18 s.h.**

BS in Sports Studies

The BS in sports studies is an examination of the place of sport in culture. The program provides the competencies and knowledge for students to pursue a variety of sport-related careers. A minimum cumulative 2.0 GPA, 32 s.h. of foundations curriculum coursework, and successful completion of the health-related physical fitness test are required for admission to the program. A minimum grade of C is needed in all required EXSS courses for successful completion of the degree. Minimum degree requirement is **120 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (FC:SC) (C for 1051: BIOL 1030 or 1050)
COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept. chair)
PHIL 1176. Introduction to Social and Political Philosophy (3) (F,S,SS) (FC:HU)
PHYS 1250, 1251. General Physics and Laboratory (3,1) (F,S,SS) (FC:SC)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
RCLS 2601. Leisure in Society (3) (F,S,SS) (FC:SO)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

2. Core.....33 s.h.

Four hours of EXSS 1000 level activity courses (4)
EXSS 2000. Introductory Exercise and Sport Science (3) (F,S,SS)
EXSS 2202. Motor Learning and Performance (3) (F,S,SS)
EXSS 2850. Structural Kinesiology (1) (F,S,SS)
EXSS 3300. Applied Sports Psychology (3) (F) (P: PSYC 1000)
EXSS 3301. Physical Education and Sport in Modern Society (3) (F,SS)
EXSS 3600. Coaching Theories (2)
EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: Health and human performance major or minor or consent of dept chair; BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850)
EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
EXSS 4300. Program Development and Management in Physical Education and Sports (2) (F,S,SS) (P: EXSS 2000 or 2323; or consent of instructor)
EXSS 4301. Comparative Sport and Physical Education: International Aspects (3) (WI) (S,SS)
EXSS 4502. Independent Study in EXSS (3) (WI) (P: Consent of instructor)

3. Cognates.....19 s.h.

ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS) or MIS 2223. Introduction to Computers (3) (F,S,SS)
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P:BIOL 1050, 1051; or 1100, 1101)
COMM 3520. Sports Media Survey (3) (P: COMM major or minor or consent of instructor)
HIST 2444. History of Sports in Western Society (3) (F) (FC:SO)
PHIL 2280. Introduction to Philosophy of Sport (3) (FC:HU)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) or PSYC 3221. Social Psychology (3) (F,S,SS) (FC:SO) (P:PSYC 1000 or 1060)

4. Minor.....24 s.h.

5. General electives to complete requirements for graduation.....2 s.h.

Exercise and Sport Science Minor

Minimum requirement for the exercise and sport science minor is **24 s.h.** of credit as follows:

1. Core.....3 s.h.

EXSS 2000. Introductory Exercise and Sport Science (3) (F,S,SS)

2. Electives (must comprise at least 15 s.h. of EXSS courses).....**21 s.h.**

ATEP 2800. Medical Nomenclature in Human Performance (2) (F,S,SS) (P: HLTH 1000)
EXSS 2202. Motor Learning and Performance (3) (F,S,SS)
EXSS 2850. Structural Kinesiology (1) (F,S,SS)
EXSS 3300. Applied Sports Psychology (3) (F) (P: PSYC 1000)
EXSS 3301. Physical Education and Sport in Modern Society (3) (F,SS).
EXSS 3804. Measurement of Physical Activity and Fitness (3) (F,S,SS) (P: ASIP 2112 or MIS 2223; EXSS 2000; or consent of instructor)
EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: Health and human performance major or minor or consent of dept. chair; BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850)
EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
EXSS 3906. Physical Education for Special Populations (3) (WI) (F,S,SS) (P: Upper-division standing; EXSS 2323; SPED 2000; or consent of instructor)
EXSS 4804. Measurement and Evaluation in Exercise and Sport Science (3) (F,S,SS) (P: Upper-division standing; EXSS 2323; MATH 1065; health and human performance major or minor or consent of dept. chair)
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)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 4807. Advanced Exercise Physiology (3) (F) (P: EXSS 4806, CHEM 2750, 2753 (C or better), and consent of instructor)
EXSS 4808. Cardiopulmonary Physiology (3) (S) (P: EXSS 4806, CHEM 2750, 2753 (C or better), and consent of instructor)
EXSS 4809. Exercise Prescription for Clinical Populations (3) (F,S,SS) (P: EXSS 4806)
EXSS 4850. Exercise Leadership (3) (F,S) (P: EXSS 3805)
EXSS 5020. Exercise Adherence (3) (P: PSYC 1000; P/C: EXSS 4806; HHP major or minor or consent of instructor)
EXSS 5303. Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities (3) (P: EXSS 3545 or 3546; SPED 5101; or consent of instructor)
EXSS 5305. Motor Development (3) (P: EXSS 2800 or equivalent or consent of instructor)
EXSS 5800. Physical Activity and Aging (3) (P: GERO 2400 or consent of instructor)
EXSS 5903. Physical Activity Programs for Individuals with Orthopedic, Neurologic, and Sensory Impairments (3) (P: BIOL 2130 or equivalent)
HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
HLTH 3030. Health Behavior (3) (WI) (F,S,SS) (P: HLTH 1000 or 1050; PSYC 1000)
HLTH 4200. Planning and Evaluation of Worksite Health Promotion (3) (F,S,SS) (P: Completion of core courses in worksite health promotion)
HLTH 4604. Applied Principles of Health Promotion (3) (F,S) (P: BIOL 2130 or 2140; NUTR 1000 or 2105; PSYC 1000; or consent of instructor)
NUTR 3101. Clinical Nutrition for Allied Health Professions (3) (F,S)
PSYC 4333. Learning Theories and Applications (3) (P: PSYC 1000)

Sports Studies Minor

Minimum requirement for sports studies minor is **25 s.h.** of credit as follows:

1. Core.....16 s.h.
EXSS 2000. Introductory Exercise and Sport Science (3) (F,S,SS)
EXSS 3300. Applied Sports Psychology (3) (P: PSYC 1000)
EXSS 3301. Physical Education and Sport in Modern Society (3) (F,SS)
EXSS 3600. Coaching Theories (2)
EXSS 4300. Program Development and Management in Physical Education and Sports (2) (F,S,SS) (P: EXSS 2000 or 2323; or consent of instructor)
EXSS 4301. Comparative Sport and Physical Education: International Aspects (3) (WI) (S,SS)

2. Cognates.....9 s.h.
HIST 2444. History of Sports in Western Society (3) (F) (FC:SO)
PHIL 2280. Introduction to Philosophy of Sport (3) (FC:HU)
RCLS 2601. Leisure in Society (3) (F,S,SS) (FC:SO)

DEPARTMENT OF HEALTH EDUCATION AND PROMOTION

David White, Chairperson, 2201 Carol G. Belk Building

BS in Athletic Training

The athletic training degree program is a Commission on Accreditation of Athletic Training Education (CAATE) accredited undergraduate program based on a minimum of 126 s.h.: 42 s.h. of foundations curriculum courses, 70 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 a physician assistant program. Upon successful completion of this degree, the student will be eligible to sit for the 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. 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. Candidates are required to submit a separate application process, and it is due August 15 prior to the fall semester you wish to begin your degree. See program web site for details. Competitive admission is based upon assessments of the applicant's academic abilities, knowledge, dedication

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

to the profession, and commitment to the health care of others. Eligible applicants must have a minimum cumulative and semester 2.0 GPA, completed ATEP 1800, 2810, 2811 with a minimum grade of C, current cardiopulmonary resuscitation (CPR) and first aid 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. There are written technical standards for admission that can be found in the Athletic Training Student Handbook and the program's web site. Athletic training students are required to earn a minimum course grade of C in all athletic training courses. A minimum semester and 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 are required each academic year. Specific requirements are stated in the Athletic Training Student Handbook. 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. Transfer students must meet the above criteria. No transfer athletic training classes will be accepted, but other course work may be allowed on an individual basis. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
   BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
   HLTH 1000. Health in Modern Society (2) (F,S,SS) (FC:HL)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PHYS 1250. General Physics (3) (F,S,SS) (FC:SC) (P: MATH 1065)
   PHYS 1251. General Physics Laboratory (1) (F,S,SS) (FC:SC) (C: PHYS 1250 or 2350)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
2. **Core.....70 s.h.**
   ATEP 1800. Orientation to Athletic Training (1) (F) (P: Admission to candidacy period of athletic training curriculum)
   ATEP 2800. Medical Nomenclature for Human Performance (2) (F, S, SS)
   ATEP 2810. Principles of Athletic Training (3) (S) (C: Current participation in candidacy aspect of the athletic training program; first aid and CPR certification; C: ATEP 2811; RC: BIOL 2130; EXSS 2850)
   ATEP 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: ATEP 2810; RC: BIOL 2130; EXSS 2850)
   ATEP 3200. Field Experience in Athletic Training I (1) (F) (C: Current participation in the athletic training curriculum; ATEP 3810)
   ATEP 3201. Basic Rehabilitation Techniques in Athletic Training (2) (S) (P: Athletic Training major; C: ATEP 3820)
   ATEP 3250, 3251. Sports Medicine Treatment Modalities (3,0) (F) (P: ATEP 3810 or consent of instructor)
   ATEP 3270. Pathology and General Medicine in Sport (3) (S) (P: BIOL 2130 or 2140 or 2150)
   ATEP 3271. Clinical Experience in Medicine (1) (F,S,SS) (P: ATEP 3200, 3270)
   ATEP 3280, 3281. Therapeutic Rehabilitation in Sports Medicine (3,0) (S) (P: ATEP 3250, 3251; or consent of instructor)
   ATEP 3350. Concepts in Pharmacology (3) (F)
   ATEP 3400. Clinical Experience in an Equipment Intensive Sport (2) (F,S) (C: ATEP 3810; BIOL 2130; EXSS 2805; current participation in the athletic training curriculum)
   ATEP 3810. Etiology and Evaluation of the Trunk and Upper Extremity (3) (F) (P: ATEP 2810; P/C: BIOL 2130; EXSS 2850)
   ATEP 3820. Etiology and Evaluation of Lower Extremity (3) (S) (P: ATEP 2810; P/C: BIOL 2130; EXSS 2850)
   ATEP 3860. Sports Medicine Practicum I (3) (F) (P: Admission to the athletic training program; ATEP 3810)
   ATEP 4300. Field Experience in Athletic Training II (1) (F,S,SS) (P: ATEP 3250, 3251, 3810, 3820; C: Current participation in the athletic training curriculum)
   ATEP 4320. Organization and Administration of Sports Medicine (3) (WI) (P: ATEP 3810, 3820)
   ATEP 4860. Sports Medicine Practicum II (3) (S) (P: ATEP 3820)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)
EXSS 1101. Physical Conditioning (1) (F,S,SS) (P: EXSS 1000 or 1001)
EXSS 2850. Structural Kinesiology (1) (F,S)
EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: Health and human performance major or minor or consent of dept chair; BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850)
EXSS 3850. Introduction to Biomechanics (3) (F,S,SS) (P: BIOL 2130; EXSS 2850; PHYS 1250, 1251; or consent of instructor)
HLTH 2000. Introduction to Health Education (3) (F,S,SS) (P: HLTH 1000 or 1050)
HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
HLTH 3020. Health Problems II (3) (F,S,SS) (P: HLTH 3010 or consent of instructor)
MIS 2223. Introduction to Computers (3) (F,S,SS)
NUTR 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 Environmental Health

A minimum GPA of 2.0 in all 1000-level basic science and math courses, a minimum cumulative GPA of 2.0 on at least 30 s.h., and completion of EHST 2110 are required for admission to the professional phase of the environmental health sciences 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 environmental health sciences faculty for probationary continuation. Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

Required:

BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (FC:SC)
BIOL 2130. Survey of Human Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)

Recommended:

COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
HIST 1051. American History Since 1877 (WI*) (3) (F,S,SS) (FC:SO)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
RCLS 2601. Leisure in Society (3) (F,S,SS) (FC:SO)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

2. Common core ..... 42 s.h.

Select from the following with advisor approval:

EHST 2110, 2111. Introduction to Environmental Health Sciences and Laboratory (3,0) (F,S)
EHST 3003. Environmental Epidemiology (3) (F)
EHST 3200. Food Sanitation Principles (3) (S) (P: Consent of instructor; C: EHST 3201)
EHST 3201. Food Sanitation Principles Laboratory (1) (S) (P: Consent of instructor; C: EHST 3200)
EHST 3350. Safe Water (4) (F) (P: BIOL 2110, 2111; CHEM 1160, 1161; C: EHST 3351)
EHST 3351. Safe Water Laboratory (1) (F) (P: BIOL 2110, 2111; CHEM 1160, 1161; C: EHST 3350)
EHST 3370. Waste Water Management (3) (S) (P: EHST 3350, 3351; C: EHST 3371)
EHST 3371. Waste Water Management Laboratory (1) (S) (P: EHST 3350, 3351; C: EHST 3370)
EHST 3600. Air Pollution (3) (F) (P: EHST 2110 or consent of instructor)
EHST 3700. Industrial Hygiene (3) (S) (P: 8 s.h. of general science lab courses or consent of program directors; C: EHST 3701)
EHST 3701. Industrial Hygiene Laboratory (1) (S) (P: Consent of instructor; C: EHST 3700)
EHST 4010. Toxicological Foundations of Risk Assessment (3) (S) (P: BIOL 2130; CHEM 2650, 2651)
EHST 4200. Environmental Health Management and Law (3) (WI) (F) (P: EHST major or minor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

EHST 4300, 4301. Institutional and Recreational Sanitation and Laboratory (3,0) (F) (P: EHST 2110, 3003, 3200, 3201, 3350, 3351, 3370, 3371; or consent of instructor)
EHST 4350, 4351. Vector Borne Disease Ecology and Laboratory (3,0) (F) (P: EHST 2110, 3003, 3350, 3351, 3370, 3371; or consent of instructor)
EHST 4990. Environmental Health Internship (3) (P: EHST major; 13 s.h. in EHST or consent of program director)
EHST 5001. Environmental Health Seminar (1) (May be taken more than once)
EHST 5800, 5801. Solid and Hazardous Waste Management and Laboratory (3,0) (P: CHEM 1160, 1161 or consent of instructor)

3. Cognates.....30 s.h.

Required Cognates (24 s.h.):

BIOL 2110, 2111. Fundamentals of Microbiology and Laboratory (3,1) (F,S) (P: 4 s.h. in BIOL; 8 s.h. in CHEM)
CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: MATH 1065)
CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150)
CHEM 2650, 2651. Organic Chemistry for the Life Sciences (4,1) (P: CHEM 1160, 1161)
PHYS 1250, 1251. General Physics and Laboratory (3,1) (F,S,SS) (FC:SC) (P: MATH 1065)
MATH 2228. Elementary Statistical Analysis (3) (F,S,SS) (P: MATH 1065 or equivalent)
or BIOS 1500. Introduction to Biostatistics (3) (P: MATH 1065 or equivalent or consent of instructor)

Recommended Cognates (select at least 6 s.h.):

MIS 2223. Introduction to Computers (3) (F,S,SS)
PHYS 1260, 1261. General Physics and Laboratory (3,1) (P: PHYS 1250)
GEOG 3220. Soil Properties, Surveys, and Applications (3) (F) (P: GEOG 2250)
or GEOL 5710, 5711. Ground Water Hydrology (3,0) (P: GEOL 1500, 1501 or consent of instructor)
MATH 2119. Elements of Calculus (3) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)
or MATH 2121. Calculus for the Life Sciences (3) (F,S,SS) (FC:MA) (P: MATH 1065 with a minimum grade of C)

4. Electives to complete requirements for graduation.

Choose at least 6 s.h. of EHST electives from the 3000-level and above.

Environmental Health Requirements for Students Participating in MD in 7 Initiative

Students pursuing a BS in environmental health who are also participating in the MD in 7 Program must meet the specified requirements for their major. In addition, the student will need to fulfill the prehealth concentration by taking BIOL 1100, 1101 (pre-med students may substitute BIOL 1100, 1101 for the cognate requirement of BIOL 1050, 1051), 1200, 1201; CHEM 1150, 1151, 1160, 1161, 2750, 2751, 2760, 2763. Students accepted for admission to the Brody School of Medicine under the MD in 7 Program may substitute the successful completion of the first-year of medical school curriculum for EHST4990 and remaining 19 s.h. required 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 three courses: ECON 2113; HLTH 2000; PSYC 3241. Students entering the prehealth professions concentration must have a minimum cumulative 2.0 GPA and a minimum 2.75 GPA calculated on the following courses: BIOL 1100, 1101, 1200, 1201; CHEM 1150, 1151, 1160, 1161. Prehealth professions students must complete an interview with health education faculty. Minimum degree requirement is **126 s.h.** as follows:

1. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below for all options as well as additional foundations curriculum requirements for each option. .....42 s.h.
All concentrations:

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 1000. Health in Modern Society (2) (F,S,SS) (FC:HL)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)

Community Health:

BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or 1100, 1101)
COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

Prehealth Professions:

BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C for 1201: BIOL 1200)

Worksite Health Promotion:

BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC)
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)
PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO)

2. Common core.....21 s.h.

HLTH 2000. Introduction to Health Education (3) (F,S,SS)
HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
HLTH 3020. Health Problems II (3) (F,S,SS) (P: HLTH 1000 or 1050, 3010 or consent of instructor)
HLTH 3030. Health Behavior (3) (WI) (F,S,SS) (P: HLTH 1000 or 1050; PSYC 1000)
HLTH 4604. Applied Principles of Health Promotion (3) (F,S) (P: BIOL 2130 or 2140; NUTR 1000 or 2105; PSYC 1000; or consent of instructor)
NUTR 1000. Contemporary Nutrition (3) (F,S,SS) or NUTR 2105. Nutrition Science (3) (F,S,SS)

3. Concentration (Choose one option.).....39 s.h.

Community Health (40 s.h.):

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130)
EHST 2110, 2111. Introduction to Environmental Health Sciences and Laboratory (3,0) (F,S)
HLTH 2500. Peer Health I: Training (3) (F,S) (P: HLTH 1000 or HLTH 1050 or consent of instructor)
HLTH 3000. Theory and Practice in Community Health Education (3) (S)
HLTH 3011. Introduction to Epidemiology in Health Education and Promotion (3) (F,S,SS)
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 4991. Health Education and Promotion Internship (12) (F,S,SS) (P: Completion of all other major requirements)
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) (FC:SO) (P: PSYC 1000 or 1060)

Prehealth Professions (38-46 s.h.)

Basic Science Requirements:

BIOS 1500. Introduction to Biostatistics (3) (F,S) (P: MATH 1065 or equivalent)
BIOL 2140, 2141. Human Physiology and Anatomy (3,1) (P: 1 CHEM course)
BIOL 2150, 2151. Human Physiology and Anatomy (3,1) (P: BIOL 2140/41)
CHEM 1150, 1151. General Chemistry and Laboratory (3,1) (F,S,SS) (FC:SC)
CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

HIMA 3000. Medical Terminology for Health Professionals (2) (F,S,SS)

Choose either:

CHEM 2750, 2753. Organic Chemistry I and Laboratory (3,1) (F,S,SS) (P: CHEM 1160, 1161) and CHEM 2760, 2763. Organic Chemistry II and Laboratory (3,1) (F,S,SS) (P: CHEM 2750) and/or PHYS 1250, 1251. General Physics and Laboratory (3,1) (F,S,SS) (FC:SC) (P: MATH 1065) and PHYS 1260, 1261. General Physics II and Laboratory (3,1) (F,S,SS) (FC:SC)

Health Education Requirements:

HLTH 3300. Introduction to Patient Education (3) (P: HLTH 3010 or consent of instructor)

HLTH 4910. Clinical Internship (6) (F,S,SS) (P: Completion of all major requirements or consent of program director)

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 and Laboratory (3,1) (F,S) (P for 2110: BIOL 1050, 1051; or 1100, 1101; or equivalent; 8 s.h. CHEM; P/C for 2111: BIOL 2110)

BIOL 2300. Genetics (3) (P: 2 BIOL courses)

BIOL 5800, 5821. Principles of Biochemistry and Laboratory (3,1) P: BIOL 3310, 3311; or consent of instructor; CHEM 2760, 2763)

BIOL 5810. Principles of Biochemistry II (3) (P: BIOL 3310, 3311; or consent of instructor; CHEM 2760, 2763)

BIOS 5010. Epidemiology for Health Professionals (3) (P: BIOS 1500 or consent of instructor)

CHEM 2770, 2771. Biological Chemistry and Lab (3,1) (P: CHEM 2650 or 2760)

EXSS 3805. Physiology of Exercise (3) (P: Health and human performance major or minor or consent of dept. chair; BIOL 2130 or 2140,2141,2150,2151;EXSS 2850)

HLTH 3011. Introduction to Epidemiology in Health Education and Promotion (3) (F,S,SS)

HLTH 3515. AIDS HIV Disease in Modern Society (3) (P: HLTH 1000 or 1050 or consent of instructor)

HLTH 5310. Education for Human Sexuality (3) (P: Health education major or consent of instructor)

HLTH 5900. Stress Management (3) (P: Undergraduate course in anatomy and physiology, graduate standing or consent of instructor)

HPRO 2100. Perspectives in Health Care (2)

HPRO 5000. Seminar in Human Sexual Dysfunctions (3)

PHIL 3281. Introduction to Philosophical Ethics in the Health Care Profession (3) (WI*) (FC:HU)

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

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

Students in the prehealth professions concentration who have been accepted for admission to the Brody School of Medicine under the MD in 7 Program may substitute the successful completion of the first-year medical school curriculum for HLTH 4910 (6 s.h.) and 22 s.h. of electives.

Worksite Health Promotion (39 s.h.):

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (FC:SC) (P/C: BIOL 2130)

EXSS 2850. Structural Kinesiology (1) (F,S,SS)

EXSS 3805. Physiology of Exercise (3) (F,S,SS) (P: Health and human performance major or minor or consent of dept chair; BIOL 2130, 2131 or BIOL 2140, 2141, 2150, 2151; EXSS 2805)

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)

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 4991. Health Education and Promotion Internship (12) (F,S,SS) (P: Completion of all other major requirements)

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 MIS 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 9.
(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 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) or ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing; 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.

Worksite Health Promotion Minor

Minimum requirement for worksite health promotion minor is **24 s.h.** to be selected from:

1. **Core.....21 s.h.**
EHST 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)
HLTH 2000. Introduction to Health Education (3) (F,S,SS) (P: HLTH 1000 or 1050)
HLTH 3030. Health Behavior (3) (WI) (F,S, SS) (P: HLTH 1000 or 1050; PSYC 1000)
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 or 2140; NUTR 1000 or 2105; or consent of instructor)
HLTH 5200. Health Education in the Workplace (3) (F) (P: Consent of instructor)
NUTR 2105. Nutrition Science (3) (F,S,SS)
2. **Elective options (3 hrs. required) .....3 s.h.**
HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
HLTH 3020. Health Problems II (3) (F, S, SS) (P: HLTH 1000 or 1050; HLTH 3010; or consent of instructor)
HLTH 5900. Stress Management (3) (P: Undergraduate course in anatomy and physiology; graduate standing; or consent of instructor)

Health Education and Promotion Requirements for Students Participating in MD in 7 Initiative

Students pursuing a BS in health education and promotion who are also participating in the MD in 7 Program must meet the specified requirements for their major. In addition, the student will need to fulfill the prehealth professions concentration requirements of BIOL 1200, 1201; CHEM 1150, 1151, 1160, 1161, 2750, 2753, 2760, 2763. Students in the prehealth professions concentration who have been accepted for admission to the Brody School of Medicine under the MD in 7 Program may substitute the successful completion of the first-year of medical school curriculum for HTLH 4910 (6 s.h.) and 22 s.h. of electives.

BS in School Health Education

Students entering the school health degree program must have a minimum cumulative 2.5 GPA. See Section 4, Academic Advisement, Progression and Support, Special Requirements for the BS Degree for Students Preparing to Teach. See Section 8, Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is **126 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC: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) (FC:HL)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
SOCI 1025. Courtship and Marriage (3) (F,S,SS) (FC:SO)
Choose a history course (FC:SO)
Choose a literature course (FC: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) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
HLTH 3010. Health Problems I (3) (F,S,SS) (P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor)
HLTH 3020. Health Problems II (3) (F,S,SS) (P: HLTH 1000 or 1050, 3010 or consent of instructor)
HLTH 3030. Health Behavior (3) (WI) (F,S,SS) (P: HLTH 1000 or 1050; PSYC 1000)
HLTH 3244. Practices and Procedures in Health for Elementary School (2) (F,S,SS)
HLTH 3355. Alcohol, Tobacco, and Other Drugs Education and Prevention (3) (F)
HLTH 4323. Methods of Teaching Health Education (3) (F,S) (P: Admission to upper division)
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)
NUTR 1000. Contemporary Nutrition (3) (F,S,SS) or NUTR 2105. Nutrition Science (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) (P: Admission to upper division; RP: SPED 2000)

3. Approved academic concentration (A maximum of 6 s.h. may count toward foundations curriculum requirements.) **.....18-24 s.h.**

4. Electives to complete requirements for graduation.

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 (3,0) (S) (P: DRED 2000; valid driver's license)

Environmental Health Minor

Minimum requirement for environmental health minor is **24 s.h.** to be selected from:

EHST 2110, 2111. Introduction to Environmental Health Sciences and Laboratory (3,0) (F,S)
EHST 3003. Environmental Epidemiology (3) (F)
EHST 3200, 3201. Food Sanitation Principles (3,1) (S) (P: Consent of instructor)
EHST 3350. Safe Water (4) (F) (P: BIOL 2110, 2111; CHEM 1160, 1161; C: EHST 3351)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 3351. Safe Water Laboratory (1) (F) (P: BIOL 2110, 2111; CHEM 1160, 1161; C: EHST 3350)
EHST 3370. Waste Water Management (3) (S) (P: EHST 3350, 3351; C: EHST 3371)
EHST 3371. Waste Water Management Laboratory (1) (S) (P: EHST 3350, 3351; C: EHST 3370)
EHST 3600. Air Pollution (3) (F) (P: EHST 2110 or consent of instructor)
EHST 3700, 3701. Industrial Hygiene and Laboratory (3,1) (S) (P: 8 s.h. of general science lab courses or consent of program director)
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) (S) (P: BIOL 2130; CHEM 2650, 2651)
EHST 4300, 4301. Institutional and Recreational Sanitation and Laboratory (3,0) (F) (P: EHST 2110, 3003, 3200, 3201, 3350, 3351, 3370, 3371; or consent of instructor)
EHST 4350, 4351. Vector Borne Disease Ecology and Laboratory (3,0) (F) (P: EHST 2110, 3003, 3350, 3351, 3370, 3371; or consent of instructor)
EHST 5800, 5801. Solid and Hazardous Waste Management and Laboratory (3,0) (S) (P: CHEM 1160, 1161 or consent of instructor)

DEPARTMENT OF RECREATION AND LEISURE STUDIES

Joseph D. Fridgen, Chairperson, 1404 Carol G. Belk Building

BS in Recreation and Park Management

Students wishing to declare a major in recreation and park management at the time of entrance into the curriculum, need to possess a minimum overall GPA of 2.0; have no more than 10 s.h. of foundations curriculum remaining; have completed a brief, written application (available at www.ecu.edu/rcls); and have a meeting with a RCLS faculty member. RCLS courses at the 3000 level and above cannot be taken before admission to the major or minor, or by consent of instructor where appropriate. Students majoring in recreation and park management 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. Students failing to meet these criteria will not be allowed to enroll in any additional RCLS prefix courses. The only exception being students re-enrolling in RCLS courses in which the student has a D or F. Students who want to appeal need to 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 **123 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.) including those listed below .....42 s.h.**
   BIOL 1050. General Biology (3) (F,S,SS) (FC:SC) and BIOL 1051. General Biology Laboratory (1) (F,S,SS) (FC:SC) or BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC) or BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100) or BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (FC:SC) (P/C for 1201: BIOL 1200)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PHIL 2274. Business Ethics (3) (WI*) (F,S,SS) (FC:HU) or PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
2. **Common core.....41 s.h.**
   RCLS 2000. Introduction to Leisure Services (3) (F,S,SS)
   RCLS 3003, 3004. Leisure Programming and Laboratory (3,1) (F,S) (P: Declared RCLS RT major, or RPM major or minor; P/C: RCLS 2000)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

RCLS 3131. Inclusive Recreation (3) (F)
RCLS 4000. Research Methods and Techniques (3) (F,S) (P: Declared RCLS RT major, or RPM major or minor; RCLS 3003, 3004)
RCLS 4002. Administration of Leisure Services (3) (S) (P: RCLS 3003, 3004)
RCLS 4004. Philosophical and Current Issues in Leisure (3) (F,S) (WI*) (P: Declared RCLS RT major, or RPM major or minor; RCLS 3003, 3004)
RCLS 4120. Leisure Services Marketing (3) (S) (P: RCLS 3104 or 3120 or consent of instructor)
RCLS 4122. Case Studies in Leisure Management (3) (F) (P: RCLS 3104 or 3120 or consent of instructor)
RCLS 4901. RPM Internship Pre-Placement Seminar (1) (F,S) (P: Declared MRFS major; minimum cumulative 2.0 GPA; consent of RCLS advisor)
RCLS 4990. Recreation Internship (12) (WI) (F,S,SS) (P: Declared RPM major or minor; RCLS 4901; 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: 3104 or 3120; or consent of the instructor)

3. Concentration area (Choose one.).....33-34 s.h.

Commercial Recreation and Tourism:

Cognates (21 s.h.)
ACCT 2101. Survey of Accounting (3) (F,S) (P: MATH 1065 or 1066) or ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066 or 2119 or 2121 or 2171)
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)
MIS 2223. Introduction to Computers (3) (F, S, SS)
RCLS 3120. Commercial Recreation and Tourism (3) (S)
RCLS 4121. Tourism Planning and Development (3) (F) (P: RCLS 3120 or consent of instructor)

Restricted Electives (Choose 12 s.h. from the following.):
ACCT 2521. Managerial Accounting (3) (F,S, SS) (P: ACCT 2401; MIS 2223)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
FINA 3004 (3) or FINA 3724. Financial Management (3) (F,S,SS) (P: ECON 2113; MATH 2283; P/C: ACCT 2521)
GEOG 2019. Geography of Recreation (3) (F) (FC:SO)
GEOG 4335. Geography of Tourism (3) (FC:SO)
HLTH 2125, 2126. Safety Education and First Aid (3) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
HMGT 1350. Introduction to Food Service and Lodging Management (3) (WI) (F,S,SS)
HMGT 3200. Dimensions of Tourism (3) (F) (P: HMGT 1350)
HMGT 4200. Travel and Tourism Management (3) (S) (P: HMGT 3200).
MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
MGMT 4262. Small Business Management (3) (WI) (F,S) (P: FINA 37244; MGMT 3202 or 3302: MKTG 3852)
MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
RCLS 2400. Facilitation and Leadership of Adventure-Based Programs (3) (F,S)
RCLS 2600. Outdoor Recreation Activities (3) (F,S)
RCLS 2601. Leisure in Society (3) (F,S,SS)
RCLS 3104. Public and Non-Profit Recreation (3) (F) (P: RCLS 2000; or consent of instructor; P/C: RCLS 3003, 3004)
RCLS 4111. Design of Parks and Recreation Facilities (4) (F) (P: 3104 or 3120; or consent of instructor)
RCLS 5100. Aquatics Facilities Management (3)
RCLS 5101. Waterfront Facilities Operation (3)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Outdoor Recreation:

Cognates (22 s.h.)

ACCT 2101. Survey of Accounting (3) (F,S) (P: MATH 1065 or 1066) or ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066 or 2119 or 2121 or 2171)

ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)

MGMT 3202. Fundamentals of Management (3) (F,S,SS) (FC:SO) (P: ECON 2113)

RCLS 3104. Public and Non-Profit Recreation (3) (F) (P: RCLS 2000 or consent of instructor; P/C: RCLS 3003, 3004)

RCLS 3300. Outdoor Programming. (3) (S)

RCLS 3301. Recreational Interpretation of Cultural and Natural Resources (3)

RCLS 4111. Design of Parks and Recreation Facilities (4) (F) (P: Declared RPM major or minor; RCLS 3003, 3004)

Restricted Electives (Choose 12 s.h. from the following.)

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

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

BIOL 3660, 3661. Introduction to Marine Biology & Lab (3,1). (F,S)

COAS 2025. Survey of Coastal and Marine Resources (3) (F)

HLTH 2125, 2126. Safety Education and First Aid (3) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)

PLAN 3020. Environmental Planning. (3) (F)

RCLS 2400. Facilitation and Leadership of Adventure-Based Programs (3) (F,S)

RCLS 2600. Outdoor Recreation Activities (3) (F,S)

RCLS 2601. Leisure in Society (3) (F,S,SS)

RCLS 3120. Commercial Recreation and Tourism (3) (S)

RCLS 3303. Wild Land Recreation Management (3) (P: RCLS 2000 or consent of instructor)

RCLS 4111. Design of Parks and Recreation Facilities (4) (F) (P: RCLS 3104 or 3120; or consent of instructor)

RCLS 4121. Tourism Planning and Development (3) (F) (P: RCLS 3120; or consent of instructor)

RCLS 5100. Aquatics Facilities Management (3)

RCLS 5101. Waterfront Facilities Operation (3)

Community and Non-Profit Recreation:

Cognates (22 s.h.)

ACCT 2101. Survey of Accounting (3) (F,S) (P: MATH 1065 or 1066) or ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066 or 2119 or 2121 or 2171)

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 FC:SO)

RCLS 3104. Public and Non-Profit Recreation (3) (F) (P: RCLS 2000 or consent of instructor; P/C: RCLS 3003, 3004)

RCLS 3300. Outdoor Programming. (3) (S)

RCLS 4111. Design of Parks and Recreation Facilities (4) (F) (P: Declared RPM major or minor; RCLS 3003, 3004)

Restricted Electives (Choose 12 s.h. from the following.):

HLTH 2125, 2126. Safety Education and First Aid (3) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)

RCLS 2400. Facilitation and Leadership of Adventure-Based Programs (3) (F,S)

RCLS 2600. Outdoor Recreation Activities (3) (F,S)

RCLS 2601. Leisure in Society (3) (F,S,SS)

RCLS 3120. Commercial Recreation and Tourism (3) (S)

RCLS 3301. Recreational Interpretation of Cultural and Natural Resources (3)

RCLS 3303. Wild Land Recreation Management (3) (P: RCLS 2000 or consent of instructor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

RCLS 4121. Tourism Planning and Development (3) (F) (P: RCLS 3120 or consent of instructor)
RCLS 5100. Aquatics Facilities Management (3)
RCLS 5101. Waterfront Facilities Operation (3)
Business administration minor courses (ECON 2113 may count toward FC:SO requirement)
Exercise and sport science minor courses (BIOL 1050, 1051, BIOL 2130, 2131 may count toward FC:SC requirement)
Public administration minor courses (POLS 2000, POLS 3252 may count toward FC:SO requirement)

Recreational Sports Leadership:

Cognates (21 s.h.)
EXSS 3300. Applied Sports Psychology (3) (P: PSYC 1000)
EXSS 3301. Physical Education and Sport in Modern Society (3) (F,SS)
RCLS 3104. Public and Non-Profit Recreation (3) (F) (P: RCLS 2000; or consent of instructor; P/C: RCLS 3003, 3004)
RCLS 3120. Commercial Recreation and Tourism (3) (S)
RCLS 3500. Recreation Leadership and Group Process (2) (S) (C: RCLS 3501)
RCLS 3501. Recreation Leadership and Group Process Lab (1) (S) (C: RCLS 3500)
RCLS 4130. Recreational Sport Programming (3) (P: RCLS 3003, 3004; or consent of instructor)
SOCI 3289. Community Organization (3) (S) (FC:SO) (P: SOCI 2110)
Restricted Electives (Choose 12 s.h. from the following.)
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)
EXSS 3600. Coaching Theories (2)
GERO 2400. Introduction to Gerontology (3) (FC:SO) (Same as CDFR 2400; SOCW 2400)
HLTH 2125, 2126. Safety Education and First Aid (3,0) (F,S,SS) (P: HLTH 1000 or 1050; C for 2125: HLTH 2126; C for 2126: HLTH 2125)
RCLS 2400. Facilitation and Leadership of Adventure-Based Programs (3) (F,S)
RCLS 2600. Outdoor Recreation Activities (3) (F,S)
RCLS 2601. Leisure in Society (3) (F,S,SS) (FC: SO)
RCLS 3300. Outdoor Programming (3) (S)
SOCI 3220. Sociology of Deviant Behavior (3) (F,S,SS) (FC:SO) (P: SOCI 2110)
SOCI 4350. Social Change (3) (FC:SO) (P: SOCI 2110)
Other EXSS courses approved by advisor
Courses from the Business Administration minor

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 foundations curriculum remaining; have submitted a written application; have a personal interview with a faculty member; and have completed a sequencing form (timetable) in consultation with the RCTX advisor. 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 and RCTX courses. A student wishing to appeal should contact the RCLS department chair within two weeks of notification of academic deficiency. Graduates are eligible to apply to sit for the examination to become credentialed nationally as a Certified Therapeutic Recreation Specialist (CTRS) and Licensed Recreational Therapist (LRT) in North Carolina. Minimum degree requirement is **123 s.h.** of credit as follows:

1. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.) including those listed below .....42 s.h.
BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (FC:SC), or BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C for 1101: BIOL 1100)
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P: BIOL 1050, 1051; or 1100, 1101)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair) or MATH 1067. Algebraic Concepts and Relationships (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 2275. Psychology of Adjustment (3) (F,S) (FC:SO)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

2. Core .....49 s.h.

RCLS 2000. Introduction to Leisure Services (3) (F,S,SS)
RCLS 3003, 3004. Leisure Programming and Laboratory (3,1) (F,S) (P: Declared RT major, or RPM major or minor; P/C: RCLS 2000)
RCLS 4000. Research Methods and Techniques (3) (F,S) (P: Declared RT major or RPM major or minor; RCLS 3003, 3004)
RCLS 4004. Philosophical and Current Issues in Leisure (3) (F,S) (WI*) (P: Declared RT major or RPM major or minor; RCLS 3003, 3004)
RCTX 2230. Recreational Therapy Foundations (3) (F,S) Formerly RCLS 2230
RCTX 3240. Disability Survey for Recreational Therapy Services (3) (F,S) Formerly RCLS 3240 (P: Declared RT major; BIOL 2130, 2131; RCLS 2000; or consent of instructor)
RCTX 4250. Recreational Therapy Program Design (3) (F,S) Formerly RCLS 4250 (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4252. Recreational Therapy Leadership and Group Dynamics (3) (S) Formerly RCLS 4252 (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4260. Recreational Therapy Practicum (1) (F,S) Formerly RCLS 4260 (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4262. Recreational Therapy Interventions and Techniques (3) (F) Formerly RCLS 4262 (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4264. Recreational Therapy Assessment, Documentation, and Evaluation (3) (F) Formerly RCLS 4264 (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4266. Organization and Management of Recreational Therapy Services (3) (F,S) Formerly RCLS 4266 (P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor)
RCTX 4902. Recreational Therapy Internship Pre-placement Seminar (2) (F,S) Formerly RCLS 4902 (P: Declared RT major; minimum cumulative 2.0 GPA; consent of RCTX advisor)

3. Cognates.....21 s.h.

BIOL 2131. Survey of Human Physiology and Anatomy Laboratory (1) (F,S,SS) (P/C: BIOL 2130)
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) (FC:SO) (P: PSYC 1000 or 1060)
PSYC 4375. Abnormal Psychology (3) (F,S,SS) (FC: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)
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)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum. (FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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) (F,S)
RCTX 3202. Camping and Adventure Programming for Individuals with Disabilities (3) Formerly RCLS 3202 (P: Consent of instructor)
RCTX 5000. Theoretical Foundations of Aquatic Rehabilitation (3) Formerly RCLS 5000
RCTX 5001. Applied Techniques in Aquatic Rehabilitation (3) Formerly RCLS 5001 (P: RCTX 5000 or consent of instructor)
THEA 4030. Creative Dramatics (3) (S) (FC: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) (FC:SO)
PSYC 3225. Psychology of Learning (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
PSYC 3226. Cognitive Psychology (3) (F,S,SS) (FC: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) (FC:SO) (F,S,SS) (P: SOCI 2110)
SOCI 3327. Introductory Medical Sociology (3) (FC: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 **25 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 RPM major or minor; RCLS 2000; C: RCLS 3004)
RCLS 3004. Leisure Programming Laboratory (1) (F,S) (P: Declared RT major or RPM major or minor; RCLS 2000; C: RCLS 3003)
RCLS 4002. Administration of Leisure Services (3) (F,S) (P: Declared RPM major or minor; RCLS 3003, 3004)
RCLS 4004. Philosophical and Current Issues in Leisure (3) (F,S) (WI*) (P: Declared RT major or RPM major or minor; RCLS 3003, 3004)
2. **RCLS courses from RPM degree program ..... 12 s.h.**

Aquatics Management Certificate

The aquatics management certificate program is open to any individual that is (a) enrolled in a degree program at ECU, or (b) admitted as non-degree earning students at ECU. All students are required to earn a minimum of a C grade in all required certificate courses. Requirements for the **12 s.h.** aquatics management certificate include*:

RCLS 5100. Aquatic Facility Management (3)
RCLS 5101. Waterfront Facility Operations (3)
Select 3 hours from the following:
EXSS 4300. Program Development and Management in Physical Education and Sports (3)
MGMT 3202. Fundamentals of Management (3)
RCLS 4002. Administration of Leisure Services (3)
RCLS 5111. Recreational Facility Management (3)
Select 3 hours from the following:
EXSS 2278. Basic Scuba Diving (3)
EXSS 2777. Life Guard Training (2)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 2788. Water Safety Instructors Training Course (3)
EXSS 3278. Skin and Scuba Diving Leadership (3)
HLTH 2125, 2126. Safety Education and First Aid (3,0)
HLTH 3225. Standard First Aid and Personal Safety Instructor (2)
PLAN 5025. Coastal Area Planning and Management (3)
RCTX 5000. Theoretical Foundations of Aquatic Rehabilitation (3) Formerly RCLS 5000
Other courses approved by certificate director.

*Proof of current First Aid, Lifeguarding, Water Safety Instructor (WSI), and CPR certification is required to earn the aquatics management certificate. These may be earned through enrollment in ECU courses or elsewhere.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Margie Gallagher, Interim Dean, RW-238 Rivers Building

The College of Human Ecology seeks to improve the quality of life for individuals and families through education, research, and service. The knowledge base of the field includes criminal justice, early childhood education, human nutrition and food, individual and family development through the life span, interior design, the management of food service and lodging operations, textiles, and social work. The faculty members of the college 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 this knowledge to the state of North Carolina and beyond.

The Carolyn Freeze Baynes Institute for Social Justice, established by the generosity of Charles and Hazel Freeze with the support of Michael Ray Baynes, is located within the College of Human Ecology. The gift has been made by the Freeze family of Mooresville, North Carolina, in memory of their daughter Carolyn, and to promote the issues to which she devoted. The institute coordinates research, community partnerships, and scholarship aimed at improving the well-being of individuals and the quality of community life. The institute offers a number of activities for students, including research experiences, scholarship opportunities, and interaction with visiting scholars and alumni.

Undergraduate study is offered in birth through kindergarten teacher education, child life, criminal justice, family and community services, family and consumer sciences education, hospitality management, interior design, merchandising, nutrition and dietetics, and social work.

Students completing the major and minor requirements within the college may use 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 advisor early in the undergraduate program regarding required courses, sequencing, and grade requirements. (See Section 6, Early Entry Into ECU Graduate Programs.)

DEPARTMENT OF CHILD DEVELOPMENT AND FAMILY RELATIONS

Cynthia Johnson, Chairperson, 150 Rivers Building

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 Program Personnel Certification from the NC Department of Health and Human Services, Child Life Certification from the Association for the Care of Children's Health, and teacher licensure in family and consumer sciences education and birth-kindergarten teacher education from the North Carolina Department of Public Instruction.

BS in Birth Through Kindergarten Teacher Education

Freshmen may declare birth through kindergarten (BK) teacher education as their major. Transfer students must have completed at least 12 s.h. at East Carolina University with a minimum cumulative grade point average (GPA) of 2.5 to declare. Prior to enrolling in selected courses, all BK majors must be admitted to the Upper Division of Teacher Education. Requirements for admission to upper division include, but are not limited to, satisfactory scores on all parts of PRAXIS I, a minimum cumulative GPA of 2.5, and demonstration of computer competency. In addition, BK majors must achieve a minimum grade of C in all courses required for the major.

A semester-long internship is the culminating experience for BK Teacher Education majors. Applications for admission to internship (CDFR 4324, 4325) must be submitted to the internship coordinator one year prior to the semester in which the student will complete internship requirements. Prior to internship, BK majors must have completed the following courses with a minimum grade of C: CDFR 1103, 2000, 2123, 2124, 3150, 3306, 4200, 4320, 4321, 4322, 4323, 4406; EDTC 4001; EDUC 3200, 4400; ELEM 3249; CDFR 4303 or ELEM 3275; SPED 2000, 3005, 3510, 3511. Students who successfully complete all

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

requirements and have a minimum cumulative GPA of 2.5 are recommended for BK licensure. A minimum grade of C in internship is required for licensure. Additional information about upper division, internship, and NC teacher licensure can be found in the College of Education section of this catalog and in the handbook, *Welcome to Teacher Education*.

The birth through kindergarten (BK) teacher education program is offered both on-campus and online. Online delivery is designed as a 2 + 2 degree-completion program that is administered in cohorts. To be admitted to a distance education (DE) cohort, individuals must first be admitted to ECU and complete a separate application for admission to the BS BK DE cohort. Criteria for admission to the BS BK DE cohort include completion of all foundations curriculum requirements, passing scores on all parts of PRAXIS I (or designated SAT or ACT scores), computer competency, and reliable internet access. BS BK DE cohorts begin first summer session each year. Information about the proposed schedule for offering courses online can be found at **www.ecu.edu/che/cdfr**. The BS in BK teacher education program requires on-campus attendance for orientation, admission to upper division interviews, and senior-year internship seminars.

Minimum degree requirement is **126 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (F,S,SS) (FC:FA)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   Choose a history course (FC:SO)
   Choose a literature course (except children's literature) (FC:HU)
2. **Professional studies .....29 s.h.**
   CDFR 2123. Early Experience in Birth through Kindergarten Education (1) (F,S)
   CDFR 4323. Kindergarten Curriculum (3) (F) (P: Admission to upper division; CDFR 3150)
   CDFR 4324. Internship in Birth Through Kindergarten Education (10) (F,S) (P: Admission to upper division; CDFR 3306, 4321, 4322, 4323, 4406; professional studies courses; CDFR 4303 or ELEM 3275; SPED 3510, 3511; C: CDFR 4325)
   CDFR 4325. Internship Seminar: Issues in Birth-Kindergarten Education (2) (F,S) (P: Admission to upper division; C: CDFR 4324)
   EDTC 4001. Technology in Education (2) (F,S,SS) (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)
   ELEM 3249. Literacy Development in Early Childhood (3) (F,S)(P: Admission to upper division)
   SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)
3. **Specialty Area Studies.....33 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 2124. Interaction Techniques for Working with Young Children (2) (F,S) (P: CDFR major; C: CDFR 2123)
   CDFR 3150. Introduction to Early Childhood Intervention (3) (F,S) (P: CDFR 1103, 2000)
   CDFR 3306. Guiding Children's Behavior (3) (F,S,SS) (P: CDFR 2000)
   CDFR 4200. Developmental and Educational Assessment of Young Children (3) (WI) (S) (P: CDFR 3150)
   CDFR 4320. Practicum in Teaching Birth-Kindergarten in the Public Schools (1) (F,S) (P: Admission to upper division)
   CDFR 4321. Infant and Toddler Curriculum (3) (S) (P: CDFR 3150)
   CDFR 4322. Preschool Methods and Materials (3) (F,S) (P: CDFR 3150)
   CDFR 4406. Parent-Professional Collaboration (3) (F) (WI) (P: CDFR 4200)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 4408. Administration of Programs for Young Children (3) (F) (P: CDFR 4322)
3 s.h. advisor-approved CDFR electives

4. Cognates.....10 s.h.
CDFR 4303. Families and Cultural Diversity (3) (F,S) (P: CDFR 1103) or ELEM 3275. Early Childhood and Elementary School Curriculum (3) (F,S,SS) (P: Sophomore standing; P/C: CDFR 2123 or ELEM 2123)
SPED 3005. Instructional Programming in Special Education (3) (F,SS) (P: SPED 2000)
SPED 3510. Methods in Early Childhood Special Education (3) (S) (P: Admission to upper division; SPED 3005; C: SPED 3511)
SPED 3511. Practicum in Early Childhood Special Education (1) (S) (P: Admission to upper division; C: 3510)

5. Advisor approved electives to complete requirements for graduation.

BS in Child Life

Freshman and transfer students may declare child life as a major. 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 Committee of the Child Life Council oversees the administration of 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. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (FC:SC) (P: BIOL 1050, 1051; or 1100, 1101)
COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
MUSC 3018. Introduction to Basic Music Skills for Elementary School Teachers (3) (F,S,SS) (FC:FA)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

2. Core.....55 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 Young Adulthood (3) (F,S,SS)
CDFR 2021. Introduction to Child Life (1) (S) (P: Intended Child Life major)
CDFR 3002. Child in the Family (3) (F,S,SS)
CDFR 3150. Introduction to Early Childhood Intervention (3) (F,S) (P: CDFR 2000 or 2001)
CDFR 3413. The Hospitalized Child (3) (WI) (F) (P: Child Life major; CDFR 2000, 2001, 2021)
CDFR 4200. Development and Educational Assessment of Young Children (3) (WI) (S) (P: CDFR 3150)
CDFR 4210. Child Life Practicum (3) (F,S,SS) (P: Child Life major; CDFR 3413)
CDFR 4303. Families and Cultural Diversity (3) (F,S) (P: CDFR 1103)
CDFR 4321. Infant and Toddler Curriculum (3) (F) (P: CDFR 3150) or CDFR 4322. Preschool Methods and Materials (3) (S) (P: CDFR 3150)
CDFR 4415. Child Life Internship (12) (F,S,SS) (P: Child Life major; CDFR 4210, 4996, 4997)
CDFR 4996, 4997. Child-Family Internship and Laboratory (3,0) (F,S,SS) (P: CDFR 2000, 3002, 4321 or 4322)
NUTR 1000. Contemporary Nutrition (3) (F,S,SS)
6 s.h. advisor-approved CDFR electives

3. Cognates.....8 s.h.
HIMA 3000. Introduction to Medical Terminology (2) (F,S,SS)
PSYC 2201. Psychology of Childhood (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060 or equivalent)
Choose a 3 s.h. advisor-approved computer course

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

4. Restricted electives (Choose from the following.) ..... 9 s.h.

ANTH 3252. Medical Anthropology (3) (OY) (FC:SO) (P: ANTH 1000 or 2010 or 2200 or consent of instructor) or SOCI 3327. Introductory Medical Sociology (3) (FC: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) (FC:HU) (P: ENGL 1200)
HLTH 2125, 2126. Safety Education and First Aid (3,0) (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 (3) (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)
SPAN 2117. Spanish for Professionals (3) (P: SPAN 1004 or consent of chair)
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.

BS in Family and Consumer Sciences Education

Freshmen may declare family and consumer sciences (FACS) teacher education as their major. Transfer students must have completed at least 12 s.h. at East Carolina University with a minimum cumulative grade point average (GPA) of 2.5 to declare. Prior to enrolling in selected courses, all FACS students must be admitted to the Upper Division of Teacher Education. Requirements for admission to upper division include, but are not limited to, satisfactory scores on PRAXIS I, a minimum cumulative GPA of 2.5, and demonstration of computer competency. In addition, FACS majors must achieve a minimum grade of C in all 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, FACS majors must have a minimum grade of C in the early experience (FACS 2123), methods courses (FACS 4323, FACS 4317), and EDUC 3200. A minimum grade of C in internship (FACS 4324) is required for licensure. Additional information about upper division, internship, and licensure can be found in the College of Education section of this catalog and in the handbook, *Welcome to Teacher Education.* Students must also be certified in Community First Aid & Safety and Community CPR by the American Red Cross. Minimum degree requirement is **126 s.h.** of credit as follows:

NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.*

1. Foundations curriculum and special requirements for certification (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below..... 42 s.h.

ART 1001. Color and Design (3) (F,S,SS) (FC:FA)
COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO) or SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3206. Developmental Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
Choose a history course (FC:SO)
Choose a literature course (FC:HU)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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. Professional studies .....33 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)
FACS 2123. Early Experiences for the Prospective Teacher in Family and Consumer Sciences (1) (F,S)
FACS 4317. Curriculum Development (3) (F) (P: FACS 2123)
FACS 4323. Methods of Teaching in Family and Consumer Sciences (3) (F) (P: Declared major and admission to upper division)
FACS 4324. Internship in Family and Consumer Sciences Education (10) (S) (P: Admission to upper division; FACS 4323; C: FACS 4325)
FACS 4325. Internship Seminar: Issues in Family and Consumer Sciences Education (2) (S) (P: Admission to upper division, FACS 4323; C: FACS 4324)
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F,S,SS)
SPED 2000. Introduction to Exceptional Children (2) (F,S,SS)
SPED 4010. Exceptional Students in the Regular Classroom (2) (F,S) (P: Admission to upper division; SPED 2000)

3. Core.....37 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 3002. Child in the Family (3) (F,S,SS)
CDFR 3215. The Family as Consumers (3) (S) (P: CDFR 1103)
CDFR 4366. Family Life Education (3) (F,S) (P: Junior or senior standing; CDFR major)
CDFR 4390. Family Resource Management (3) (S) (P: CDFR major)
FACS 1180. Housing and Interior Design (3) (S) (P: FCS major)
FACS 2003. Apparel Construction for Secondary Education (2) (F) (C: FACS 2004)
FACS 2004. Apparel Construction for Secondary Education Laboratory (1) (F) (C: FACS 2003)
MRCH 2239. Apparel and Human Behavior (3) or MRCH 3003. Special Topics (3) (F) (P: Consent of instructor; may vary by topic offered)
NUTR 1000. Contemporary Nutrition (3) (F,S,SS)
NUTR 2110. Principles of Food Preparation (3) (F,S,SS)
NUTR 2111. Principles of Food Preparation Laboratory (1) (F,S,SS)
NUTR 3110. Introduction to Quantity Food Management (3) (F,S) (P: NUTR 1000 or 2105; HMGT 2110)

4. Specialty Courses.....4 s.h.

FACS 4410. Professional Seminar (1) (F,S) (P: FACS major; junior standing)
FACS 4411. Professional Internship (3) (F,S) (P: FACS 4410)

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.

BS in Family and Community Services

Freshmen may declare family and community services as their major. Students must attain a minimum cumulative 2.25 GPA to be admitted to family and community services. Transfer students must have completed at least 12 s.h. at East Carolina University and a minimum GPA of 2.25 to declare. Retention as a major requires maintaining a minimum cumulative 2.25

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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 courses required for the major and NUTR 1000. (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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communications (3) (F,S,SS) (FC:FA)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC: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)
   CDFR 2280. Introduction to Child, Family, and Community Services (3) (F)
   CDFR 2400. Introduction to Gerontology (3) (F,S,SS)
   CDFR 3002. Child in the Family (3) (F,S,SS)
   CDFR 3290. Theory and Practice in Family and Community Services (3) (F,S) (P: CDFR 2280; FACS major)
   CDFR 4000. Introduction to Child and Family Research (3) (F) (P: FACS major; foundations curriculum math requirement)
   CDFR 4001. Community Service Internship (8) (WI) (F,S) (P: Senior standing; FCS major; CDFR 4366; 2.25 GPA; C: 4410)
   CDFR 4303. Families and Cultural Diversity (3) (F,S) (P: CDFR 1103)
   CDFR 4313. Trends and Issues in Family Studies (3) (F,S,SS) (P: CDFR 1103)
   CDFR 4366. Family Life Education (3) (F) (P: FCS major; junior or senior standing; CDFR 3290; P/C: CDFR 4000)
   CDFR 4410. Professional Seminar (1) (WI) (F,S) (P: Senior standing; CDFR major; CDFR 4366; C: CDFR 4001)
   NUTR 1000. Contemporary Nutrition (3) (F,S,SS)
   Choose 9 s.h. CDFR electives
3. **Cognates..... 6 s.h.**
   ENGL 3880. Writing for Business and Industry (3) (WI) (F,S,SS) (P: ENGL 1200)
   Choose a 3 s.h. advisor-approved computer course
4. **Minor or approved concentration ..... 24 s.h.**
5. **Electives to complete requirements for graduation.**

DEPARTMENT OF CRIMINAL JUSTICE

James F. Anderson, Chair, 247 Rivers Building

The Department of Criminal Justice offers the bachelor of science in criminal justice, minor in criminal justice, minor in forensic science, master of science in criminal justice, graduate certificate in security studies, and graduate certificate in substance abuse. (See also graduate catalog.)

To be eligible for the program as a criminal justice major or a minor, a student is required to have completed 32 s.h. with a minimum overall 2.0 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 2.0 GPA at the university prior to admission into the criminal justice program and have completed JUST 1000 or equivalent with a minimum grade of C. Criminal justice majors and criminal justice minors are expected to maintain an overall 2.0 GPA throughout the program. Further information and applications for admission may be obtained from the criminal justice departmental office, 140 Rivers Building.

In addition to the above requirements, to be admitted to the minor in forensic science, students need to have a minimum overall 2.5 GPA. They are also expected to maintain an overall GPA of 2.5 throughout the program.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

The major in criminal justice is designed to prepare students for entrance into professional positions in the field of criminal justice. The program requires mandatory field internship to be undertaken during the final semester of the program. Students with sufficient criminal justice work experience may request the departmental chair for exemption from the internship. 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 2.0 GPA or higher to be eligible for consideration.

BS in Criminal Justice

Criminal justice majors, criminal justice minors and forensic science minors 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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.**
   History course
   POLS 1010. National Government (3) (F,S,SS) (FC:SO)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
2. **Core ..... 33 s.h.**
   JUST 1000. Introduction to Criminal Justice (3) (F,S,SS)
   JUST 3004. Crime and Criminality (3) (F,S) (P: JUST major/minor)
   JUST 3500. Principles of Criminal Law (3) (F,S) (P: JUST or SOCW major/minor; JUST 1000)
   JUST 3700. Race, Gender and Special Populations in the Criminal Justice System (3) (F,S) (P: JUST major/minor)
   JUST 3800. Research Methods in Criminal Justice (3) (F,S) (P: JUST major/minor)
   JUST 3900. Introductory Statistics for Criminal Justice (3) (F,S) (P: JUST major/minor; JUST 3800)
   JUST 4200. The Juvenile Justice System (3) (WI) (F,S) (P: JUST major/minor)
   JUST 4500. Issues and Problems in Criminal Justice (3) (F,S)
   JUST 4990. Field Education and Seminar (9) (F,S,SS) (P: Minimum cumulative 2.0 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)*
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/minor)
   JUST 3502. Correctional Law (3) (WI) (F,S) (P: JUST major/minor)
   JUST 4006. Community Corrections (3) (F,SS) (P: JUST major/minor)
   Law Enforcement:
   JUST 3006. Security Systems (3) (S,SS) (P: JUST major/minor)
   JUST 3007. Criminal Investigation (3) (F) (P: JUST major/minor)
   JUST 3012. Police Operations (3) (S) (P: JUST major/minor)
   JUST 3501. Criminal Procedures (3) (F,S) (WI) (P: JUST major/minor)
4. **Cognates ..... 3 s.h.**
   ASIP 2112. Introduction to Information Processing Technology (3) (F,S,SS) or MIS 2223. Introduction to Computers (3) (F,S,SS) or ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S,SS)
5. **Specified Electives ..... 18 s.h.**
   Choose a minimum of 3 s.h. from:
   JUST 3003. Addiction, Crime, and the Criminal (3) (P: JUST major/minor)
   JUST 3101. Conflict Management (3) (F,S) (P: JUST major/minor)
   JUST 3102. Interviewing in Criminal Justice (3) (F,S) (P: JUST major/minor)
   JUST 4004. Criminal Justice History (3) (S) (P: JUST major/minor)
   JUST 4005. Organized Crime (3) (SS) (P: JUST major/minor)
   JUST 4300. Criminal Justice Administration and Management (3) (S) (P: JUST major/minor)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

JUST 4401, 4402, 4403. Independent Study (1,2,3) (F,S,SS) (P: JUST major/minor)
JUST 4600. Special Topics in Criminal Justice (3) (F or S or SS) (P: JUST major/minor)
JUST 5000. Comparative Criminal Justice (3) (P: JUST major/minor)
Choose a minimum of 15 s.h. from outside criminal justice above 2999 with approval of advisor

6. **General Electives to complete requirements for graduation.**

Criminal Justice Minor

The minor in criminal justice requires **24 s.h.** of credit as follows:

1. **Core.....9 s.h.**
JUST 1000. Introduction to Criminal Justice (3) (F,S,SS)
JUST 3004. Crime and Criminality (3) (F,S) (P: JUST 1000)
JUST 3500. Principles of Criminal Law (3) (F,S) (P: JUST 1000)
2. **Electives from criminal justice courses (may not include JUST 4990).....15 s.h.**

Forensic Science Minor

The minor in forensic science requires **24-26 s.h.** of credit as follows:

1. **Core.....15 s.h.**
JUST 1000. Introduction to Criminal Justice (3) (F,S,SS)
JUST 3007. Criminal Investigation (3) (F,S) (P: JUST major/minor or forensic science major)
JUST 3020. Introduction to Forensic Science (3) (F,S,SS) (P: JUST major/minor or forensic science major)
JUST 3021. Forensic Impressions and Markings (3) (F,S,SS) (P: JUST major/minor or forensic science minor)
JUST 3022. Crime Scene Investigation (3) (F,S,SS) (P: JUST major/minor or forensic science minor)
Substitute core courses may be approved by the Chair of the Department of Criminal Justice.
2. **Electives .....9-11 s.h.**
CHEM 2650. Organic Chemistry for the Life Sciences (4) (F) (P: CHEM 1160, 1161)
BIOL 2130. Survey of Human Physiology and Anatomy (4) (F,S,SS) (P:BIOL 1050, 1051; or 1100,1101)
ANTH 3026. Forensic Anthropology (3) (S) (P: ANTH 2015, 2016; or consent of instructor)
Other courses approved by the Chair of the Department of Criminal Justice.

DEPARTMENT OF HOSPITALITY MANAGEMENT

Robert M. O'Halloran, Chairperson, 152 Rivers Building

The BS in hospitality management requires students to complete a 45 s.h. hospitality core, a minor in business administration, and 15 s.h. in hospitality concentration. Three concentrations are offered within the BS in hospitality management: food and beverage management; hotel management; and, conventions and special events management. Students may be able to complete both the BS in hospitality management and the MBA with the hospitality management option in five years. The BS degree in hospitality management is also offered via distance education.

BS in Hospitality Management

Each HMGT course must be completed with a minimum grade of C. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
2. **Common Core .....42 s.h.**
HMGT 1350. Introduction to Hospitality Management (3) (F,S,SS)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

HMGT 1500. Multicultural Hospitality Management (3) (F,S)
HMGT 2100. Lodging Systems Management I (3) (F,S) (P: HMGT 1350)
HMGT 2110. Principles of Food Preparation (2) (S,SS) (C: HMGT 2111)
HMGT 2111. Principles of Food Preparation Laboratory (1) (S,SS) (C: HMGT 2110)
HMGT 2200. Introduction to Conventions and Special Events (3) (F,S) (P: HMGT 1350)
HMGT 2591. Field Experience in Hospitality Management I (3) (F,S)
HMGT 3110. Introduction to Quantity Food Management (3) (F,S) (P: HMGT 2110, 2111)
HMGT 3294. Hospitality Information Systems (3) (F,S) (P: MIS 2223, HMGT 1350)
HMGT 3600. Lodging Systems Management II (3) (F,S) (P: ACCT 2101; HMGT 2100)
HMGT 4244. Hospitality Law (3) (F,S) (P: FINA 2244; HMGT 2591)
HMGT 4308. Purchasing and Cost Controls for Food Service Operations (3) (F,S,SS) (P: NUTR 3350 or HMGT 2591)
HMGT 4440. Hospitality Marketing (3) (F,S) (P: MKTG 3832; HMGT 2591)
HMGT 4450. Hospitality and Dietetics Human Resources Management (3) (WI) (S,SS) (P: NUTR 3350 or HMGT 2591)
HMGT 4700. Hospitality Management Current Issues (3) (F,S) (P: Senior Standing; HMGT major)

3. Concentration area (Choose one.)..... 15 s.h.

Hotel Management:

HMGT 3750. Hospitality Facilities Management (3) (F,S) (P: HMGT 3600)
HMGT 3990. Field Experience in Lodging (3) (F,S,SS) (P: HMGT 2591, 3750, minimum cumulative 2.0 GPA; consent of instructor)
HMGT 4170. Hospitality Services Management (3) (F,S) (P: HMGT 4110, 4111)
HMGT 4650. Hospitality Financial Management (3) (F,S) (P: HMGT 3600, FINA 3004)
Select one from:
HMGT 3393, HMGT 3832, HMGT 4400, HMGT 4495

Food and Beverage Management:

HMGT 3991. Field Experience in Food Service (3) (F,S,SS) (P: HMGT 2591, 4110, 4111, minimum cumulative 2.0 GPA; consent of instructor)
HMGT 4110, 4111. Quantity Food Production and Service Management and Lab (3, 2) (F,S,SS) (P: HMGT 3110, NUTR 3350 or HMGT 2591) (C: HMGT 4111)
HMGT 4120. Wine and Beverage Management (1) (F,S) (P: HMGT 4110, 4111)
HMGT 4170. Hospitality Services Management (3) (F,S) (P: HMGT 4110, 4111)
Select one from:
HMGT 3393, HMGT 3750, HMGT 3832, HMGT 4400, HMGT 4995

Convention and Special Events Management:

HMGT 3200. Dimensions of Tourism (3) (F,S) (P: HMGT 1350)
HMGT 3992. Field Experience in Conventions and Special Events Management (3) (WI) (F,S,SS) (P: HMGT 2591, 3200, minimum cumulative 2.0 GPA; consent of instructor)
HMGT 4200. Travel and Tourism Management (3) (S) (P: HMGT 3200)
HMGT 4400. Convention Services Management (3) (F,S) (P: HMGT 3600)
Select one from:
HMGT 3393, HMGT 3750, HMGT 3832, HMGT 4170, HMGT 4995

4. Business administration minor ..... 24 s.h.

5. Electives to complete requirements for graduation.

Hospitality Management Minor

The minor in hospitality management requires **30 s.h.** of credit as follows:

HMGT 1350. Introduction to Hospitality Management (3) (WI) (F,S,SS)
HMGT 1500. Multicultural Hospitality Management (3) (F,S)
HMGT 2100. Lodging Systems Management (3) (F,S) (P: HMGT 1350)
HMGT 2110. Principles of Food Preparation (2) (F,S,SS)

Some courses which carry Foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry Foundations curriculum credit. Courses in major prefix may not count toward Foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

HMGT 2111. Principles of Food Preparation Laboratory (1) (F,S,SS) (C: HMGT 2110)
HMGT 2200. Introduction to Conventions and Special Events (3) (F,S) (P: HMGT 1350)
HMGT 3110. Introduction to Quantity Food Management (3) (F,S) (P: HMGT 2110, 2111)
HMGT 3294. Hospitality Information Systems (3) (F,S) (P: MIS 2223, HMGT 2591)
HMGT 3600. Lodging Systems Management II (3) (F,S) (P: ACCT 2101; HMGT 2100)
Select two from:
HMGT 3832, 4170, 4244, 4400, 4450, 4995

DEPARTMENT OF INTERIOR DESIGN AND MERCHANDISING

Katherine Warsco, Chairperson, 249 Rivers Building

BS in Interior Design

The interior design major is accredited by the council for Interior Design Accreditation, the National Association of Schools of Art and Design (NASAD), and the National Kitchen and Bath Association (NKBA).

To declare the interior design major, students must have a cumulative 2.5 GPA and complete IDSN 1180, 1181, 1281 and 1500 with a C or better. 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: IDSN 1180, 1181, 1281, 1500, 2040, 2800, 2850; and ART 1905.

Sophomore Portfolio Review: During the second semester of the sophomore year, students submit portfolios which contain representative work from specific design courses: IDSN 1181, 1281, 1500, 2800, and 2850. 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.

Policy on Student Projects: The IDMR 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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below..... 42 s.h.**
   ART 1905. The Dimensions of Art (3) (F,S) (FC:FA) (P: Art major)
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3221. Social Psychology (3) (F,S,SS) (FC:SO)
2. **Core..... 53 s.h.**
   IDSN 1180. Interior Design Fundamentals (3)
   IDSN 1181. Interior Design Fundamentals Laboratory (3) (C: IDSN 1180)
   IDSN 1281. Interior Design Graphics (3) (P: IDSN 1180, 1181)
   IDSN 1500. Color in Interiors: Theory and Application (3) (P: IDSN 1180, 1181)
   IDSN 2040. Textiles for Interiors (3)
   IDSN 2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (WI)
   IDSN 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (WI)
   IDSN 2800. Interior Design I: Residential Design (3) (P: IDSN 1281, 1500)
   IDSN 2850. Interior Design II: Commercial Design (3) (P: IDSN 2800)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

IDSN 3550. Materials and Specifications for Interior Design (3) (P: IDSN 2040; junior standing; IDMR major)
IDSN 3600. Interior Design III: Systems (3) (P: DESN 3030, 3031; junior standing; interior design major)
IDSN 3700. Computer Aided Design in Interior Design (3) (P: DESN 3030, 3031; junior standing; interior design major)
IDSN 3999. Professional Procedures in Interior Design (2) (P/C: Interior design major; COMM 2410 or 2420; all required major courses below the 4000 level)
IDSN 4500, 4501. Interior Design IV and Laboratory: Universal Design (1,2) (P: IDSN 3600, 3700; DESN 3030)
IDSN 4600, 4601. Interior Design V and Laboratory: Commercial Design (1,2) (4600:WI) (P: IDSN 3600, 3700)
IDSN 4880. Interior Design Internship (3) (P: IDSN 3999; senior interior design major; consent of instructor)
Choose an additional 6 s.h. electives from:
IDSN 3650. Kitchen and Bath Design (3) (P: IDSN 3550, 3600)
IDSN 4650. Advanced Computer-Aided Design (3) (P: IDSN 3700, 4500, 4501 or consent of instructor)
IDSN 4700. Problems in Interiors (3) (P: IDSN 3600, 3700)
IDSN 4750. Interior Design for Adaptive Reuse (3) (WI) (P: IDSN 3600, 3700)

3. Cognates.....18 s.h.

ACCT 2101. Survey of Financial Management Accounting or 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 or IDSN 1281)
DESN elective
MKTG 3832. Marketing Management (3) (F,S,SS) (P: ECON 2113)
Choose 6 s.h. from:
MKTG 4332. Professional Selling (3) (F,S) (P: MKTG 3832)
MKTG 4362. Marketing Strategy (3) (F,S) (P: MKTG 3832)
MKTG 4752. Advertising and Promotion Management (3) (F,S) (P: MKTG 3832)

4. Restricted electives.....6 s.h.

Choose 3 s.h. elective from:
ART 1005. Design I (3) (F,S,SS) (FC: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) (FC: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)
Choose 3 s.h. elective from:
ART 1906. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 1907. Art History Survey (3) (F,S) (FC:FA) (P: ART 1905 or 1910)
ART 3950. Architectural History of the Middle East Before 1600 (3) (FC:FA) (P: Junior standing; ART 1905 or 1910; 1906, 1907; or consent of instructor)
ART 4950. Twentieth Century Architecture (3) (F) (P: ART 1906, 1907; or consent of instructor)
ART 4970. History of Nineteenth- and Twentieth-Century Design (3) (S) Same as ART 4970. (P: ART1906, 1907; or consent of instructor)

5. Electives to complete requirements for graduation.

BS in 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, complete a minimum of 12 s.h. at ECU, and complete both MRCH 2999 and MATH 1065 with a C or better. Throughout the program students must make a C or better in all MRCH/IDSN major courses and business administration minor courses. Undeclared majors in apparel merchandising are allowed to take MRCH 1135, 2239, 2350 and 2999. Undeclared majors in interiors merchandising are allowed to take MRCH 1135, 2350, IDSN 1180, and MRCH 2999. Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)

2. Core.....41 s.h.

MRCH 1135. Principles of Merchandising (3)
MRCH 2034. Textiles (3) (P: Merchandising majors; C: MRCH 2035) or IDSN 2040. Textiles for Interiors (3) (P: Merchandising majors; C: MRCH 2035)
MRCH 2035. Textiles Laboratory (1) (P: Merchandising majors; C: IDSN 2040 or MRCH 2034)
MRCH 2350. Merchandising Strategies (3) (P: MRCH 1135)
MRCH 2999. Pre-Professional Merchandising Seminar (3) (P: MRCH 1135; IDSN 1180 or MRCH 2239; MRCH 2350)
MRCH 3200. Consumer Studies in Merchandising (3) (P: Merchandising majors or minors; MRCH 2350)
MRCH 3350. Merchandising Analysis (3) (P: Merchandising majors or minors; MRCH 2350)
MRCH 3400. Visual Merchandising, Planning, and Operations (3) (P: Merchandising majors or minors; MRCH 1135)
MRCH 3401. Visual/CAD Lab (1) (P: MRCH 3400)
MRCH 4209. Directed Study: Research in Merchandising (3) (WI) (P: Merchandising majors or minors; Senior standing)
MRCH 4300. Global Economics: Textiles, Apparel, and Interior Furnishings Industries (3) (WI) (P: MRCH 2034 or IDSN 2040; ECON 2113)
MRCH 4350. Merchandise Planning, Buying and Sourcing (3) (P: MRCH 3350)
MRCH 4999. Merchandising Capstone: Executing the Concept (3) (P: MRCH 4350; Senior merchandising major)
Select 2 of the following:
MRCH 3003. Special Topics (3) (May be repeated for credit with change of topic)
MRCH 4400. International Merchandising (3) (P: MRCH 3200; Senior merchandising major)
MRCH 4883. Merchandising Internship (3) (WI) (P: Senior merchandising major; minimum cumulative 2.5 GPA; consent of instructor)
Advisor Approved Business Electives

3. Concentration area: (Choose one area.).....12 s.h.

Apparel:
MRCH 2239. Apparel and Human Behavior (3)
MRCH 2500. Survey of Costume Through the 18th Century (3)
MRCH 3050. Quality Analysis: Apparel (3) (P: MRCH 2034 or IDSN 2040; MRCH 2035; Merchandising majors)
MRCH 3307. Nineteenth and Twentieth Century Costume (3) (P: Merchandising majors or minors; MRCH 2239)

Interiors:
IDSN 1180. Interior Design Fundamentals (3)
IDSN 2700. Historic Interiors I: 3000 BC through Mid-Nineteenth Century (3) (WI)
IDSN 2750. Historic Interiors II: Late Nineteenth and Twentieth Centuries (3) (WI)
IDSN 3550. Materials and Specifications (3) (P: IDSN 2040; junior standing; IDMR major)

4. Minor in business.....24 s.h.

5. Electives to complete requirements for graduation.

Merchandising Minor

The minor in merchandising requires **24 s.h.** of credit as follows:

1. Core.....18 s.h.

MRCH 1135. Principles of Merchandising (3) (Formerly IDMR 1135)
MRCH 2350. Merchandising Strategies (3) (Formerly IDMR 2350) (P: MRCH 1135)
MRCH 3200. Consumer Studies in Merchandising (3) (Formerly IDMR 3200) (P: MRCH 2350; Merchandising majors or minors)
MRCH 3350. Merchandising Analysis (3) (Formerly IDMR 3350) (P: MRCH 2350; Merchandising majors or minors)
MRCH 3400. Visual Merchandising, Planning, and Operations (3) (Formerly IDMR 3400) (P: MRCH 1135; Merchandising majors or minors)
MRCH 4350. Merchandising Planning, Buying, and Sourcing (3) (Formerly IDMR 4350) (P: MRCH 3350)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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. MRCH or IDSN electives ..... 6 s.h.

To be eligible to declare the merchandising minor, a student must have a minimum overall GPA of 2.0. In addition, to complete the minor, a grade of C or better must be earned on all MRCH/IDSN courses.

DEPARTMENT OF NUTRITION AND DIETETICS

William Forsythe, Chairperson, 148 Rivers Building

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. To declare a major in nutrition and dietetics, students must complete the foundation curriculum requirements with a C in all courses and at least a 2.5 GPA. To continue in the program students must maintain a 2.5 GPA.

The Department of Nutrition and Dietetics 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). Completion of the BS in nutrition and dietetics does not guarantee entrance into an internship. Entrance into our internship is competitive and requires admittance into the graduate school, a 3.0 GPA, and 850 GRE score.

BS in Nutrition and Dietetics

Each NUTR course must be completed with a minimum grade of C. Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.

CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC: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) (FC: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) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)

ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)

MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)

PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)

SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)

2. Core ..... 55 s.h.

HMGT 2110. Principles of Food Preparation (2) (F,S,SS) (C: HMGT 2111)

HGMT 2111. Principles of Food Preparation Laboratory (1) (F,S,SS) (C: HMGT 2110)

HMGT 3110. Introduction to Quantity Food Management (3) (F,S) (P: NUTR 1000 or 2105; 1010, HMGT 2110, 2111)

HMGT 4110. Quantity Food Production and Service Management (3) (F,S,SS) (P: HMGT 3110; NUTR 3350 or HMGT 3990 or 3991; C: HMGT 4111)

HMGT 4111. Quantity Food Production Laboratory (2) (F,S,SS) (C: HMGT 4110)

HMGT 4308. Purchasing and Cost Controls for Food Service Operations (3) (F,S,SS) (P: NUTR 3350 or HMGT 3990 or 3991)

HMGT 4450. Hospitality and Dietetics Human Resource Management (3) (WI) (S,SS) (P: NUTR 3350 or HMGT 2591)

NUTR 1010. Cultural Foods (3) (F,S,SS)

NUTR 1300. Introduction to Dietetics (1) (F)

NUTR 2105. Nutrition Science (3) (F,S,SS)

NUTR 2400. Nutrition Education and Assessment (3) (P: NUTR 2105; nutrition major)

NUTR 3104. Advanced Vitamins and Minerals (2) (F,S) (P: BIOL 2130, 2131; CHEM 1160, 1161; NUTR 2105)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

NUTR 3105. Nutritional Biochemistry and Metabolism (3) (WI) (F,S) (P: BIOL 2130, 2131; CHEM 2650, 2651; or equivalent; NUTR 2105; a statistics course)
NUTR 3303. Food Science (3) (F) (P: HMGT 2110)
NUTR 3311. Life Cycle Nutrition (4) (F,S) (P/C: NUTR 3104)
NUTR 3350. Dietetics Administration (3) (S)
NUTR 3500. Nutrition Research Methodology (2) (WI) (P: NUTR 2105, 3105; C: NUTR 3501; nutrition major)
NUTR 3501. Nutrition Research Methodology Laboratory (1) (WI) (P: NUTR 2105, 3105; C: NUTR 3500: nutrition major)
NUTR 4300. Professional Preparation in Dietetics (1) (F) (P: NUTR major)
NUTR 4312. Medical Nutrition Therapy I (4) (F) (P: HIMA 3000; NUTR 3105, 3311)
NUTR 4313. Medical Nutrition Therapy II (4) (S) (P: NUTR 4312; C: NUTR 4500, 4600)
NUTR 4500. Community Nutrition Education (3) (S,SS) (P: NUTR 3311; C: NUTR 4313)
NUTR 4600. Dietetics Exit Seminar (2) (WI) (S,SS) (P/C: NUTR 4308, 4313, 4500; HMGT 4450)

3. Cognates.....19 s.h.

BIOL 1050. General Biology (3) (F,S,SS) (FC:SC)
BIOL 2110, 2111. Fundamentals of Microbiology (4,0) (F,S) (FC: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 3 s.h. statistics course

4. Electives to complete requirements for graduation.

Nutrition Minor

The minor in nutrition requires **28 s.h.** of credit as follows:

1. Core.....15 s.h.

NUTR 1010. Cultural Foods (3) (F,S,SS)
NUTR 2105. Nutrition (3) (F,S,SS)
NUTR 2400. Nutrition Education and Assessment (3) (P: NUTR 2105; nutrition major)
NUTR 3104. Advanced Vitamins and Minerals (2) (F,S) (P: BIOL 2130, 2131; CHEM 1160, 1161, or equivalent; NUTR 2105)
NUTR 3311. Life Cycle Nutrition (4) (F,S) (P/C: NUTR 3104)

2. Cognates.....13 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, 2651. Organic Chemistry for the Life Sciences and Laboratory (4,1) (F) (P: CHEM 1160, 1161)
Choose a 3 s.h. statistics course.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 SOCIAL WORK

School of Social Work, 108 Rivers Building
Shelia Grant Bunch, Bachelor of Social Work Program Coordinator, 223 Rivers Building
Richard Pozzuto, Master of Social Work Program Coordinator, RW-318 Rivers Building

The School of Social Work offers the bachelor of social work and the master of social work degrees. (See also graduate catalog.)

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 one semester before the semester in the field.

Admission to the BSW program is made during the fall semester. Students should submit an application to the program during the spring and summer. 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 School of Social Work, 108 Rivers 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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   BIOL 1050, 1051. General Biology and Laboratory (3,1) (F,S,SS) (FC:SC)
   BIOL 1060. Environmental Biology (4) (F,S,SS) (FC:SC)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or equivalent
   POLS 1010. National Government (3) (F,S,SS) (FC:SO)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
2. **Core.....51 s.h.**
   SOCW 1010. Introduction to Social Welfare and Social Work (3)
   SOCW 2010. Introduction to Social Work Practice with Special Populations (3)
   SOCW 3101. Human Behavior and the Social Environment I (3) (C: SOCW 3201, 3301 for SOCW majors)
   SOCW 3201. Social Work Practice I (3) (P: SOCW majors only; C: SOCW 3101, 3301)
   SOCW 3202. Social Work Practice II (3) (P: SOCW 3201; C: SOCW 3302, 3401)
   SOCW 3301. Social Work Policy I (3) (P: SOCW 2010; consent of instructor or program coordinator; C: SOCW 3101, 3201)
   SOCW 3302. Social Work Policy II (3) (P: SOCW major or consent of instructor or program coordinator; C: SOCW 3202, 3401)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

SOCW 3401. Social Work Research and Statistics (3) (WI) (P: SOCW major or consent of instructor or program coordinator; C: SOCW 3202, 3302)
SOCW 4102. Human Behavior and the Social Environment II (3) (P: SOCW 3101; C: SOCW 4203, 4303)
SOCW 4203. Social Work Practice III (3) (P: SOCW 3202; C: SOCW 4102, 4303)
SOCW 4303. Social Work Policy III (3) (WI) (P: SOCW 3301, 3302; C: SOCW 4102, 4203)
SOCW 4990. Field Education and Seminar (12) (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) (FC:SO)
HIST 3031. Economic History of the United States Since 1865 (3) (FC:SO)
HIST 3240. The Age of Franklin Roosevelt, 1919-1945 (3) (WI*) (FC:SO)
HIST 3245. The United States Since 1945 (3) (WI*) (FC:SO)
Choose one from:
PSYC 3300. Psychology of Personality (3) (F,S) (FC:SO)
PSYC 4375. Abnormal Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
Choose one from:
PSYC 2201. Psychology of Childhood (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060 or equivalent)
PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
Choose two from:
SOCI 2111. Modern Social Problems (3) (F,S,SS) (FC:SO) (P: SOCI 2110)
SOCI 3289. Community Organization (3) (S) (FC:SO) (P: SOCI 2110)
SOCI 4347. Social Inequality (3) (S) (FC:SO) (P: SOCI 2110)
SOCI 4350. Social Change (3) (FC: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 College of Education and the School of Social Work 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 the College of Education will recommend certification to the State Department of Public Instruction.
NOTE: *These degree requirements are subject to change beginning Fall 2010 pending NC State Board of Education approval of revised licensure program requirements. Students should consult their departmental advisor for specific program information.)*

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 NURSING

Sylvia Brown, Acting Dean, 4205LA Health Sciences Building
Josie Bowman, Interim Associate Dean for Undergraduate Program and
Chairperson, Department of Undergraduate Nursing Science, Senior Division, 2175C Health Sciences Building
Janice Neil, Chairperson, Department of Undergraduate Nursing Science, Junior Division, 3185A Health Sciences Building

Curriculum

The baccalaureate program in nursing educates students for professional nursing practice and is characterized by a combination of foundations curriculum 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 College 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 opportunities for educational accessibility, flexibility, and mobility. The curriculum track is 100 percent online. Service learning projects in student's area of interest are completed in their local region. The curriculum track is designed to build on students' past education and experience and expose registered nurses to innovative instructional methods for meeting course objectives. Registered nurse students meet course requirements by transfer, advanced placement, credit by exam, CLEP, and completion of courses by enrollment. Required sciences, foundations curriculum, and cognate courses must be completed prior to entry into the curriculum track. Students must hold a current unrestricted license as a registered nurse in North Carolina.

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.

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 College 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 2.5 GPA and completion of foundations curriculum 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 College 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 College of Nursing director of student services.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BS in Nursing (BSN)

Minimum degree requirement is **128 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   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 (1,1) (P for 2151: BIOL 2141; C for 2141: BIOL 2140; C for 2151: BIOL 2150)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3206. Developmental Psychology (3) (WI*) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
   SOCI 2110. Introduction to Sociology (3) (F,S,SS) (FC:SO)
   Choose an approved 3 s.h. ethics course
2. **Professional nursing core.....28 s.h.**
   NURS 3410. Concepts of Pathophysiology for Nursing (3) (F,S) (P: Admission to NURS major; RN students; P/C: NURS 3010)
   NURS 3510. Nursing Research (3) (F,S,SS) (P: All required NURS courses below 3330; approved statistics course; RN students; P/C: NURS 3010)
   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) (F,S) (P: All required NURS courses below 4000)
   NURS 4150. Nursing Leadership (3) (WI*) (F,S) (P: All required NURS courses below NURS 4000)
   NURS 4210, 4211. Nursing Care of Populations and Communities (6) (F,S) (P: All required NURS courses below 4200)
   NURS 4500. Theory Capstone (5) (F,S) (P: All required NURS courses below 4200; C: NURS 4210, 4211)
   NURS 4511. Clinical Capstone (3) (F,S) (P: All required NURS courses below 4200; P/C: NURS 4210, 4211, 4500)
3. **Specialization area (Choose one.).....39 s.h.**

   Professional Nursing (Pre-licensure students):
   NURS 3020, 3021. Health Assessment (3,0) (F,S) (P: Admission to the NURS major)
   NURS 3040. Pharmacotherapeutics (3) (F,S) (P: Admission to the NURS major)
   NURS 3200. Introduction to Professional Nursing (2) (F,S) (P: Admission to the NURS major)
   NURS 3210, 3211. Nurse As Care Provider (6) (F,S) (P/C: NURS 3020, 3021, 3200, 3270, 3271, 3410)
   NURS 3270, 3271. Clinical Nursing Foundations I (2,0) (F,S) (P: Admission to the NURS major)
   NURS 3330, 3331. Nursing Care of Families During the Childbearing Phase (5) (F,S) (P: All required NURS courses below 3300; P/C: NURS 3040, 3370, 3371, 3410)
   NURS 3340, 3341: Nursing Care of Children (5) (F,S) (P: All required NURS courses below 3300; P/C: NURS 3040, 3370, 3371, 3410)
   NURS 3370, 3371. Clinical Nursing Foundations II (2,0) (F,S) (P: NURS 3270, 3271)
   NURS 4010, 4011. Nursing Care of Clients with Alterations in Mental Health (5) (F,S) (P: All required NURS courses below 4000)
   NURS 4020, 4021. Nursing Care of Adults (6) (F,S) (P: All required NURS courses below 4000)

   Registered Nurse Students:
   NURS 3010. Foundations in Nursing Informatics (3) (F,S) (P: Hold a current unrestricted license as a registered nurse in NC; completion of required sciences, foundations curriculum and cognate courses)
   NURS 3025. Health Assessment and Diagnostic Reasoning (3) (F,S) (P/C: NURS 3010, 3410 or permission of faculty)
   NURS 3410. Concepts of Pathophysiology for Nursing (3) (F,S) (P: Admission to NURS major; RN students; P/C: NURS 3010)
   NURS 3510. Nursing Research (3) (F,S,SS) (P: All required NURS courses below 3330; approved statistics course; . RN students; P/C: NURS 3010)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

NURS 4410. Nursing Management of Complex Health Issues: Individuals and Families (3) (F,S) (P: All required NURS 3000-level courses)
NURS 4420. Nursing Management of Complex Health Issues: Populations and Systems (3)(WI) (F,S) (P: All required NURS 3000-level courses; P/C: NURS 4410)
NURS 4430. Systems, Complex Heath Issues, and Nursing (3)(F,S) (P: All required NURS 3000-level courses; P/C: NURS 4420)
NURS 4440. Nursing Leadership and Service Learning I (3) (WI) (F,S) (P: All required NURS 3000-level courses)
NURS 4450. Nursing Leadership and Service Learning II (4) (F,S) (P: All required NURS 3000-level courses)
NURS 4460. Nursing Leadership and Service Learning III (3) (F,S) (P: NURS 4440; P/C: NURS 4450)

4. Cognates.....17 s.h.

BIOL 2110, 2111. Fundamentals of Microbiology (4,0) (F,S) (P: 4 s.h. in BIOL; 8 s.h. in CHEM)
CHEM 1120. Basic General, Organic, and Biochemistry I (4) (F,S) (FC:SC)
CHEM 1130. Basic General, Organic, and Biochemistry II (3) (F,S) (FC:SC) (P: CHEM 1120)
NUTR 2105. Nutrition Science (3) (F,S,SS)
An approved 3 s.h. statistics course

5. Electives to complete requirements for graduation.

Requirements

The College 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 College 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. Criminal background checks and drug testing are also required prior to enrolling in nursing courses.

Specific health requirements are stated in the *College of Nursing Student Handbook*.

The College of Nursing utilizes diagnostic tests for each of the 4 semesters a student is enrolled in the CON undergraduate curriculum. 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 College 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.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

COLLEGE OF TECHNOLOGY AND COMPUTER SCIENCE

Ralph V. Rogers, Jr., Dean

The College of Technology and Computer Science is comprised of the Departments of Computer Science, Construction Management, Engineering, and Technology Systems.

DEPARTMENT OF COMPUTER SCIENCE

John R. Placer, Chairperson, Science and Technology Building, Suite C-124

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 36 s.h. with a minimum cumulative 2.0 GPA and have earned at least a C in CSCI 2310 and 2311.

BA in Computer Science

Credit toward a computer science major will not be given for any CSCI course with a grade less than C being used to satisfy the requirements specified in the core. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.).....42 s.h.**
   PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)
2. **Foreign language through level 1004 .....12 s.h.**
3. **Core.....32 s.h.**
   CSCI 2310, 2311. Algorithmic Problem Solving and Programming Laboratory (4,0) (F,S) (P: MATH 1065; C for 2310: CSCI 2311; C for 2311: CSCI 2310)
   CSCI 3200. Data Structures and Their Applications (4) (F,S) (P: CSCI 2310, 2311)
   CSCI 3526. Switching Theory and Computer Organization (3) (F,S) (P: CSCI 2310, 2427)
   CSCI 3700. Database Management Systems (3) (F) (P: CSCI 3200 or 3310)
   CSCI 4000. Senior Assessment (0) (F,S)
   CSCI 4200. Software Engineering I (3) (WI) (F,S) (P: CSCI 3200 or 3310; CSCI major)
   CSCI 4300. Systems Programming (3) (F) (P: CSCI 3200 or 3310)
   CSCI 4530. Computer Networks and the Internet (3) (S) (P: CSCI 3200 or 3300)
   CSCI 4710. Introduction to Developing e-Business Systems (3) (WI) (F,S) (P: CSCI 3200 or 3310)
   Choose 6 s.h. CSCI courses above 2999, excluding CSCI 3584 and 5774
4. **Cognates.....6 s.h.**
   CSCI/MATH 2427. Discrete Mathematical Structures (3) (F,S) (P: MATH 1065 or 1066)
   MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) (FC:MA) (P: MATH 1065 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
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 being used to satisfy the requirements specified in the common core and CSCI electives. Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below.....42 s.h.**
   See cognates below for courses that fulfill science requirements.
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)
2. **Common core.....25 s.h.**
   CSCI 2310, 2311. Algorithmic Problem Solving and Programming Laboratory (4,0) (F,S) (P: MATH 1065; C for 2310: CSCI 2311; C for 2311: CSCI 2310)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

CSCI 3300. Introduction to Algorithms and Data Structures (4) (F,S) (P: CSCI 2310; C: CSCI 2427)
CSCI 3310. Advanced Data Structures and Data Abstraction (3) (F,S) (P: CSCI 2427, 3300)
CSCI 3526. Switching Theory and Computer Organization (3) (F,S) (P: CSCI 2310; CSCI 2427)
CSCI 3675. Organization of Programming Language (3) (F) (P: CSCI 3200 or 3310)
CSDI 4000. Senior Assessment (0) (F,S)
CSCI 4200. Software Engineering I (3) (WI) (F,S) (P: CSCI 3200 or 3310; CSCI major)
CSCI 4230. Software Engineering II (3) (F,S) (P: CSCI 4200 or consent of instructor)
CSCI 4602. Theory of Automata and Linguistics (3) (F) (P: CSCI major; CSCI 2427)
CSCI 4630. Operating Systems I (3) (F,S) (P: CSCI 3200 or 3300; CSCI major)

3. Cognates.....25-27 s.h.

CSCI/MATH 2427. Discrete Mathematical Structures (3) (F,S) (P: MATH 1065 or 1066)
CSCI/MATH 3584. Computational Linear Algebra (3) (F,S) (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 2171. Calculus I (4) (F,S,SS) (FC:MA) (P: minimum grade of C in any of MATH 1083, 1085, or 2122) or MATH 2121. Calculus for the Life Sciences I (3) (F,S,SS) (FC:MA) (May not receive credit for MATH 2121 after taking MATH 2171) (P: MATH 1065 or 1077 with minimum grade of C)
MATH 2172. Calculus II (4) (F,S,SS) (FC:MA) (P: MATH 2171 with a minimum grade of C or MATH 2122 with consent of instuctor) or MATH 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)
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) (F,S) (P: MATH 2172)
MATH 3229. Elementary Statistical Methods II (3) (F,S) (P: MATH 2228 or equivalent) or MATH 3308. Mathematical Statistics II (3) (F) (P: MATH 3307) or CSCI 5774. Programming for Research (3) (F,S) (P: General course in statistics or consent of instructor)
12 s.h. of science. (Note that 8 of these 12 units count toward foundation curriculum requirements.)
One of the following options must be selected.
Option 1 - Physics:
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: 1260 or 2360)
PHYS 2350, 2360. University Physics (4,4) (F,S,SS) (FC:SC) (P: MATH 2121 or 2171; P for PHYS 2360: PHYS 2350)
2 s.h. of science that satisfy ECU foundation requirements.
Option 2 – Chemistry:
CHEM 1150, 1151. General Chemistry and Laboratory I (3,1) (F,S,SS) (FC:SC) (P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065; C for 1150: CHEM 1151; C for 1151: CHEM 1150)
CHEM 1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC:SC) (P: CHEM 1150, 1151; C for 1160: CHEM 1161; C for 1161: CHEM 1160; RC: MATH 1083 or 1085)
4 s.h. of science that satisfy ECU foundation requirements.
Option 3 - Biology
BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC) (P/C: for 1101: BIOL 1100)
BIOL 1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) (P/C: for 1201: BIOL 1200)
4 s.h. of science that satisfy ECU foundations curriculum requirements.

4. CSCI electives above 2999 (excluding CSCI 3200 and 5774).....15 s.h.

5. Electives to complete requirements for graduation.

*Requirements for 5., above, may be met by satisfying the requirements for a minor.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Computer Science Minor

Minimum requirement for computer science minor is **26 s.h.** of credit as follows:

1. **Core.....11 s.h.**
   CSCI 2310, 2311. Algorithmic Problem Solving and Programming Laboratory (4,0) (F,S) (P: MATH 1065; C for 2310: CSCI 2311; C for 2311: CSCI 2310)
   CSCI 3200. Data Structures and Their Applications (4) (F,S) (P: CSCI 2310; P/S: MATH 2427) or CSCI 3300. Introduction to Algorithms and Data Structures (4) (F,S) (P: CSCI 2310; C: CSCI 2427)
   CSCI 2427. Discrete Mathematical Structures (3) (F,S) (P: MATH 1065 or 1066)
2. **CSCI electives above 2999, excluding 3584.....15 s.h.**

DEPARTMENT OF CONSTRUCTION MANAGEMENT

Douglas W. Kruger, Chairperson, 119 Rawl Building

Admission

Admission requirements are specified based on the entry status of potential students: freshman, transfer students, technical degree transfer students, ECU transfer students, or second degree students. Progression through the major is two-tiered: lower division requirements and upper division requirements. Potential majors should refer to the departmental website for full descriptions of each entry status category and the associated requirements for admission. Admission to the university does not guarantee admission to the construction management degree program.

Students are admitted to the lower division and must apply for admission to the upper division. The complete listing of admission requirements can be found on the departmental website or at the College of Technology and Computer Science Advising Center. Once admitted, successful progression through the major requires a minimum cumulative grade point average of 2.0. Students falling below a 2.0 cumulative grade point average will not be allowed to take construction management classes and will be placed on departmental probation for one semester. Summer sessions are not part of the departmental probation period. Probation status will be allowed for a maximum of one semester; after that time students with a cumulative grade point average below 2.0 will be dropped from the department.

CMGT majors and minors are required to achieve a minimum grade of C in the following courses in order to progress to subsequent courses: CMGT 2210, 2660, 2664, 3664, 4660, 4662. Students earning less than a C in any of these courses must repeat the course before any subsequent CMGT course may be taken. Students required to repeat any CMGT course will not be permitted to register for that course in the semester or summer school immediately following unless a seat is available on the last day of regular registration (add only day). Should a student be found in violation of this policy, he/she will be administratively dropped (no matter what point in the semester) from that CMGT course.

The Department of Construction Management requires students to have a laptop computer in order to accomplish academic work. The ACE Student Computer Support Center at www.ecu.edu/ace lists the current computer specifications meeting the department's requirements.

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. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   ECON 2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) (P: ECON 2113)
   GEOL 1500. Dynamic Earth (3) (F,S,SS) (FC:SC)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

GEOL 1501. Dynamic Earth Laboratory (1) (F,S,SS) (FC:SC) (C: GEOL 1500)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
PHYS 1250. General Physics (3) (F,S,SS) (FC:SC) (P: MATH 1065 or 1066)
PHYS 1251. General Physics Laboratory (1) (F,S,SS) (FC:SC) (C: PHYS 1250 or 2350)

2. Core (Choose one.).....52-55 s.h.

Construction Management (55 s.h.):

Lower Division Core Courses:

CMGT 2200. Introduction to the Construction Industry (3) (F)
CMGT 2210, 2211. Construction and Civil Materials (3,0) (F,S) (P: Minimum overall GPA of 2.0; majors and minors only; P/C: MATH 1065 or 1066) (Formerly CIET 2210)
CMGT 2660, 2661. Structural Systems, Materials and Codes (3,0) (F,S,SS) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2210)
CMGT 2800. Foundations of Construction (3) (F,S,SS) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2210; computer-related elective)

Upper Division Core Courses:

CMGT 2664, 2665. Interior and Exterior Finishes and Systems (3,0) (F,S,SS) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2660)
CMGT 3100. Construction Plans and Analysis (3) (F,S) (P: Minimum overall GPA of 2.0; CMGT 2800; P/C: CMGT 2664, 2665)
CMGT 3660. Structural Analysis (3) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2664; MATH 1074 or 1075 or equivalent; PHYS 1250, 1251)
CMGT 3662, 3663. Mechanical and Electrical Construction (3,0) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 3664)
CMGT 3664. Construction Contracts and Specifications (3) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2664; P/C: CMGT 3100)
CMGT 3666, 3667. Construction Surveying (3,0) (F,S) (P: Minimum overall GPA of 2.0; CMGT 3100; MATH 1074 or 1075 or equivalent)
CMGT 3726. Construction Project Safety Management (3) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in 3664)
CMGT 3766, 3767. Soils and Foundations (3,0) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2664; GEOL 1500,1501; MATH 1074 or 1075 or equivalent; PHYS 1250, 1251)
CMGT 4600, 4601. Managing Construction Quality (3,0) (WI) (F,S) (P: Minimum overall GPA of 2.0; CMGT 3662; ITEC 3290; P/C: CMGT 4662)
CMGT 4660. Construction Estimating (3) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 3664; P/C: CMGT 3660)
CMGT 4662. Construction Planning and Scheduling (3) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 4660)
CMGT 4664. Construction Management Capstone (3) (F,S) (P: Minimum overall GPA of 2.0; CMGT 4600; minimum grade of C in CMGT 4662)
CMGT 4666. Equipment Management (3) (F,S) (P: Minimum overall GPA of 2.0; CMGT 3660, 3766)
CMGT 4668. Human Side of Project Management (3) (F,S) (P: Minimum overall GPA of 2.0; MGMT 3202; minimum earned credit hours equal to 110 s.h.)
CMGT 4699. Construction Work Experience and Professional Development (1) (F,S) (P: Minimum overall GPA of 2.0; completed senior summary; applied to graduate; P/C: CMGT 4664; graduating semester.) (Formerly CMGT 3000)

Construction Management Transfer Program (52 s.h.):

Applicable to technical degree transfer students only. Students who hold an associate of applied science degree from an approved technical program must transfer courses and take courses at ECU that meet the competencies of the construction management core listed above. Students may be admitted directly to the upper division upon

completion of MATH 1065 and PHYS 1250, 1251 (or equivalent). Students must complete at ECU a minimum of 28 s.h. credit, 22 s.h. from 3000 level or above (must include CMGT 4600, 4660, 4662, 4664, 4668, 4699) 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 52 s.h. Courses needed to meet requirements must meet as scheduled classes.

3. Cognates.....24 s.h.

ACCT 2101. Survey of Financial and Managerial Accounting: (3), (F,S) (P: MATH 1065)
EHST 3060, 3061. Environmental Issues in Construction (4,0) (F,S) (P: GEOL 1500, 1501)
FINA 2244. Legal Environment of Business (3) (F,S,SS)
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065) or transfer credit for MATH 1075 or equivalent.
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)
Choose 3 s.h. computer-related elective from:
ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S,SS)
MIS 2223. Introduction to Computers (3) (F,S,SS)

4. Electives to complete requirements for graduation.

Construction Management Minor

The construction management minor requires **27 s.h.** of credit as follows:

Required courses .....27 s.h.

CMGT 2210, 2211. Construction and Civil Materials (3,0) (F,S) (P: Minimum overall GPA of 2.0; majors and minors only; P/C: MATH 1065 or 1066)
CMGT 2660, 2661. Structural Systems, Materials and Codes (3,0) (F,S,SS) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2210)
CMGT 2664, 2665. Interior and Exterior Finishes and Systems (3,0) (F,S,SS) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2660)
CMGT 2800. Foundations of Construction (3) (F,S,SS) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2210; computer-related elective)
CMGT 3100. Construction Plans and Analysis (3) (F,S) (P: Minimum overall GPA of 2.0; CMGT 2800; P/C: CMGT 2664, 2665)
CMGT 3664. Construction Contracts and Specifications (3) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2664; P/C: CMGT 3100)
CMGT 3726. Construction Project Safety Management (3) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in 3664)
CMGT 4660. Construction Estimating (3) (F,S) (P: Minimum grade of C in CMGT 3664; P/C: CMGT 3660*) [*For students seeking CMGT minor P/C: CMGT 3660 will be waived]
CMGT 4662. Construction Planning and Scheduling (3) (F,S) (P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 4660)

DEPARTMENT OF ENGINEERING

Paul J. Kauffmann, Chairperson, 214 Slay Building

The Department of Engineering offers a BS in engineering with four concentration areas: systems engineering, engineering management, biomedical engineering, and bioprocess engineering.

The mission of the department is to provide a theory-based, application-oriented general engineering education that serves as a basis for career success and lifelong learning. Our graduates demonstrate the engineering and scientific knowledge to analyze, design, improve and evaluate integrated technology–based systems. Our program welcomes a diverse student body and provides the support to foster its success.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Graduates of the BS in engineering program will:

1. Use their education to be successful in a technical career or graduate studies, demonstrating competence in applying classical methods and modern engineering tools;
2. Analyze technical, environmental, and societal issues related to engineering designs and technology systems;
3. Be productive team members and leaders, using skills in human relations and communication;
4. Practice a lifelong commitment to learning and professional development; and
5. Demonstrate commitment to the professional and ethical standards of engineering and recognize the importance of community and professional service.

The engineering program accepted its first students in fall 2004, and will graduate its first class in spring 2008. At that time, we will seek accreditation from the Accreditation Board for Engineering and Technology (ABET). In accordance with ABET requirements, graduates of the BS program have: (a) an ability to apply knowledge of math, science and engineering; b) an ability to design and conduct experiments/analyze and interpret data; (c) an ability to design a system, component, or process; (d) an ability to function on multi-disciplinary teams; (e) an ability to identify, formulate, and solve engineering problems; (f) an understanding of professional and ethical responsibility; (g) an ability to communicate effectively; (h) an ability to evaluate the impact of technology in a global/societal context; (i) an appreciation for lifelong learning; (j) knowledge of contemporary issues; (k) an ability to use the techniques, skills, and modern tools for engineering practice; and (l) an ability to apply engineering oncepts to an area of concentrated study, chosen from systems engineering, engineering management, bioprocess engineering, and biomedical engineering.

The BS program is distinctive from many other engineering programs in that it: 1) focuses on hands-on project applications of engineering, beginning with the freshman year and continuing throughout the program; 2) promotes a team-based learning approach where students work closely with each other and the faculty; and 3) integrates science, math and engineering content to assure a coordinated presentation of concepts that flow from theory to advanced practice and application.

Engineering students are encouraged to pursue registration as a Professional Engineer (PE). The first step in this process is completion of the Fundamentals of Engineering (FE) Exam. Students are required to take the FE exam during their senior year. Subsequent to graduation, professional licensure requires at least four years of progressive engineering experience and successful completion of the PE Examination.

Admission

Admission to the university or college does not guarantee admission to the engineering program. Additional evaluation elements for engineering students are described below:

Regular freshman admission: Entering freshmen should submit an ECU admission application package, high school transcript, and SAT and/or ACT scores for admission consideration. The average SAT for freshmen admitted to the engineering program at ECU is typically over 1100. Performance in math and science courses, high school GPA, and rank in class are also considered key indicators of potential success in this program.

Provisional freshman admission: Students who are not initially admitted to the engineering program, but who express a commitment to obtaining an engineering degree, are permitted to have the opportunity to succeed as a provisional engineering admission. Provisional students may still enroll in engineering courses and follow the freshman curriculum. Upon successful completion of all first-year courses (including engineering courses and at least Calculus I), with a cumulative GPA of 2.5, students can complete a change of major form and formally transfer into the engineering program.

Transfer admission: Students transferring to the engineering program must have an overall GPA of 2.5 or better in all course work attempted at the college(s) from which they are transferring in addition to meeting university transfer requirements. Students who have completed an associate degree from an approved pre-engineering program will be directly admitted to the BS program. Transfer students who do not have a 2.5 or better GPA are individually evaluated and the complete academic record is examined with particular emphasis on performance in math and science classes. These students may be admitted on a provisional basis and permitted to take certain engineering courses based on a case-by-case assessment. Provisional transfer students are expected to demonstrate the ability to succeed by completing their first semester at ECU with a 2.5 GPA.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Special Department Programs

Internships. The department encourages internships at local and regional employers and in service learning projects. Full-time students who have completed 24 credit hours and have a 2.0 minimum cumulative GPA are eligible for internships. Transfer students must complete 12 credit hours at ECU before applying for the internship program.

ECU Engineering, Inc. Projects supplied by local and regional businesses, industries and non-profits give students opportunities to gain experience. Working in teams, students learn real-world skills by defining, designing, building and testing engineering solutions.

BS in Engineering

Minimum degree requirement for the engineering program is **128 s.h.** credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs.), including those listed below .....42 s.h.**
   BIOL 1100, 1101. Principles of Biology and Laboratory I (3,1) (F,S,SS) (FC:SC)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 2151. Engineering Calculus I (3) (S) (P: MATH 1083 or 1085 or placement test criteria; or consent of instructor)
   PHIL 2275. Professional Ethics (3) (WI*) (F,S,SS) (FC:HU)
   PHYS 2350. University Physics (4) (F,S,SS) (FC:SC) (P: MATH 2121 or 2171)
2. **Engineering Foundation.....43- 44s.h.**
   ICEE 1012. Engineering Graphics (2) (F) (C: MATH 1083 or higher)
   ICEE 1014. Introduction to Engineering (3) (S) (C: MATH 1083 or higher)
   ICEE 2022. Statics (3) (S) (P: PHYS 2350)
   ICEE 2050. Computer Applications in Engineering (3) (S) (P: ICEE 1012)
   ICEE 2070. Materials and Processes (3) (S) (P: CHEM 1510, 1511)
   ICEE 3004. Dynamics (3) (F) (P: ICEE 2022; MATH 2153)
   ICEE 3012. Thermal and Fluid Systems (4) (S) (P: ICEE 3004)
   ICEE 3014. Circuit Analysis (3) (F) (P: MATH 2154; PHYS 2360)
   ICEE 3024. Mechanics of Materials (3) (WI) (F) (P: ICEE 2022, 2070)
   ICEE 3050. Sensors, Measurements and Controls (3) (S) (P: ICEE 3014)
   ICEE 3300. Introduction to Engineering Project Management (3) (F) (WI) (P: ENGL 1200; C: ICEE 1014)
   ICEE 3400. Engineering Economics (3) (WI) (S) (P: MATH 3307)
   ICEE 4000. Quality Systems Design (3) (S) (P: MATH 3307) or
   BIOE 4000. Bioprocess Validation and Quality Engineering (4) (F) (P: MATH 3307; consent of instructor)
   ICEE 4010. Senior Capstone Design Project I (2) (WI) (F) (P: Consent of instructor)
   ICEE 4020. Senior Capstone Design Project II (2) (WI) (S) (P: ICEE 4010)
3. **Cognates.....22 s.h.**
   CHEM 1500. Materials Chemistry I (3) (S)
   CHEM 1510, 1511. Materials Chemistry II and Laboratory (1,1) (F) (P: CHEM 1500; C for CHEM 1510: CHEM 1511; C for CHEM 1511; CHEM 1510
   MATH 2152. Engineering Calculus II (3) (S) (P: MATH 2151 or 2171; or consent of instructor)
   MATH 2153. Engineering Calculus III (3) (F) (P: MATH 2152 or 2172; or consent of instructor)
   MATH 2154. Engineering Linear Algebra and Differential Equations I (4) (S) (P: ICEE 2050; MATH 2153)
   MATH 3307. Mathematical Statistics I (3) (F,S) (P: MATH 2172)
   PHYS 2360. University Physics (4) (F,S,SS) (FC:SC) (P: PHYS 2350)
4. **Concentrations (Choose one)**
   Biomedical Engineering .....21 s.h.
   BIME 3000. Foundations of Biomedical Engineering (3) (F) (P: Consent of instructor)
   BIME 3600. Imaging in Biomedical Engineering (3) (S) (P: BIME 3000)
   BIME 4030. Biomechanics and Materials (4) (F) (P: ICEE 3004, 3024)
   BIME 4040. Physiological Systems and Modeling for Engineering (3) (F) (P: BIME 3000)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BIME 4200. Biomedical Instrumentation (3) (F) (P: BIME 4040; ICEE 3050)
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)

Bioprocess Engineering ..... 17 s.h.

BIOE 3000. Bioprocess Engineering Systems (3) (S) (P: BIOL 2110; CHEM 2650, 2651)
BIOE 4010. Bioprocess Separation Engineering (3) (WI) (F) (P: BIOE 3000)
BIOE 4020. Bioprocess Plant Design, Simulation and Analysis (3) (WI) (S) (P: BIOE 4010, MATH 3307)
BIOL 2110. Fundamentals of Microbiology (3) (F,S) (P: BIOL 1050, 1051; or 1100, 1101; or equivalent; 8 s.h. in CHEM)
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)

Engineering Management ..... 15 s.h.

ENMA 3000. Introduction to Engineering Management (3) (F) (P: Consent of instructor)
ENMA 4010. Entrepreneurship and Intellectual Property (3) (F) (P: ENMA 3000)
ENMA 4020. Analysis of Production Systems (3) (S) (P: MATH 3307)
ENMA 4030. Engineering Logistics (3) (S) (P: MATH 3307)
SYSE 4065. Discrete System Simulation (3) (S) (P: MATH 3307)

Systems Engineering ..... 15 s.h.

SYSE 3010. Principles and Methods of Systems Engineering (3) (F) (P: Consent of instructor)
SYSE 3060. Systems Optimization (3) (F) (P: MATH 2154, 3307)
SYSE 4000. Integrated Systems Engineering (3) (S) (P: SYSE 3010)
SYSE 4010. Human-Machine Systems: Design and Analysis (3) (F) (P: MATH 3307; SYSE 3010; or consent of instructor)
SYSE 4065. Discrete System Simulation (3) (S) (P: MATH 3307)

5. **Technical electives to complete graduation requirements as approved by the academic advisor.**

DEPARTMENT OF TECHNOLOGY SYSTEMS

Elmer C. Poe, Interim Chair, Suite 202 Science and Technology Building

Admission

Upon admission to the university, students may declare a major in one of the following degree programs: design, industrial distribution and logistics, industrial engineering technology, or information and computer technology. The technology systems degree programs are accredited by the National Association of Industrial Technology. The minimum degree requirement is **126 s.h.** of credit.

Students who have an associate degree from an approved technical program can be admitted directly into the department's programs but must either transfer or take courses that meet the core technical content in the programs. Although any department degree can be entered by transfer students, the BS in industrial technology is designed specifically to meet a broad range of needs of transfer students from community colleges. Students transferring credits without an associate's degree will have their previous courses individually evaluated for program credit.

Those ECU students intending to transfer to a technology systems degree program from other campus programs must have at least a 2.0 GPA.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

Robert A. Chin, Coordinator, 207 Science and Technology Building

The design program is accredited by the National Association of Industrial Technology. Minimum degree requirement is **126 s.h.** credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
   PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
2. **Core.....53 s.h.**
   DESN 2034, 2035. Engineering Graphics I (3,0) (F,S) (P: ITEC 2000 or MIS 2223)
   DESN 2036, 2037. Computer-Aided Design and Drafting (3,0) (F,S) (P: DESN 2034)
   DESN 3032, 3033. Engineering Graphics II (3,0) (S) (P: DESN 2036)
   DESN 4030, 4031. Descriptive Geometry (3,0) (S) (P: DESN 3032; MATH 1074)
   FINA 2244. Legal Environment of Business (3) (F,S,SS)
   IENG 2020, 2021. Materials and Processes Technology (3,0) (WI*) (F,S) (P: ITEC 2000 or MIS 2223)
   ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S) or MIS 2223 Introduction to Computers (3) (F,S,SS)
   ITEC 2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S) (P: MATH 1065 or 1066 or 1085 or 2119)
   ITEC 2080, 2081. Thermal and Fluid Systems (3,0) (F,S) (P: IENG 2020)
   ITEC 2090, 2091. Electromechanical Systems (3,0) (F,S) (P: ITEC 2054)
   ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1066 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (FC:MA)
   ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
   ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
   ITEC 3300. Technology Project Management (3) (F,S) (WI) (P: ENGL 1200; ITEC 2000 or MIS 2223)
   ITEC 3800. Cost and Capital Project Analysis (3) (S) (P: MATH 1065) or FINA 3004. Survey of Financial Management (3) (F,S,SS)
   ITEC 4293. Industrial Supervision (3) (WI) (F) (P: Senior standing or consent of instructor) or MGMT 3202. Fundamentals of Management (3) (F,S,SS)
   ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)
   MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065)
3. **Concentration area (Choose one).....18 s.h.**
   Architectural Technology:
   DESN 3030, 3031. Architectural Drafting (3,0) (F,S) (P: DESN 2034 or IDSN 1281)
   DESN 3036, 3037. Architectural Design and Drafting (3,0) (F) (P: DESN 2036, 3030)
   DESN 3038, 3039. Sustainable Design (3,0) (S) (P: DESN 2036, 3030)
   PLAN 3021. Introduction to Planning Techniques (3) (F)
   PLAN 3051. Introduction to GIS in Planning (3) (F) (P: GEOG 3410 or consent of instructor)
   PLAN 4003. Urban Form and Design (3) (S)
   Mechanical Technology:
   DESN 3230, 3231. Rapid Prototyping (3,0) (S) (P: DESN 3032; IENG 2076)
   DESN 3234, 3235. Jig and Fixture Design (3,0) (F) (P: DESN 3032; ITEC 2090; IENG 2076)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

DESN 3236, 3237. Geometric Dimensioning and Tolerancing (3,0) (F) (P: DESN 3032; MATH 1074; ITEC 3200 or MATH 2283)
IENG 2076, 2077. Introduction to Computer Numerical Control (CNC) (3,0) (F,S) (P: DESN 2034)
IENG 3020, 3021. Introduction to Computer Integrated Manufacturing (3,0) (S) (P: ITEC 2090; IENG 2076)
IENG 3300. Plant Layout and Materials Handling (3) (F) (P: IENG 2020)

4. Approved electives to complete requirements for graduation ..... 13 s.h.

BS in Industrial Distribution and Logistics

Leslie R. Pagliari, Coordinator, 402 Science and Technology Building

Minimum degree requirement is **126 s.h.** of credit as follows:

1. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below ..... 42 s.h.
COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

2. Core ..... 57 s.h.
IDIS 2771. Introduction to Distribution and Logistics (3) (F,S)
IDIS 3780, 3781. Warehousing and Materials Handling (3,0) (F) (P: IDIS 2771)
IDIS 3785. Global Logistics (3) (F) (P: IDIS 2771, 3815)
IDIS 3790. Technical Presentations for Industry (3) (F,S) (P: ITEC 2000 or MIS 2223)
IDIS 3795, 3796. Distributor Sales and Branch Management (3,0) (F,S) (P: IDIS 2771)
IDIS 3800. Transportation Logistics (3) (S) (P: IDIS 2771)
IDIS 3805. Purchasing Logistics (3) (F,S) (P: IDIS 2771)
IDIS 3815. Supply Chain Logistics (3) (F,S) (P: IDIS 2771)
IDIS 3825. Strategic Pricing for Distributors (3) (S) (P: IDIS 2771, ACCT 2101)
IDIS 3830. ERP Systems for Distributors (3) (F,S) (P: IDIS 3780, 3781, 3815)
IDIS 3835. Security and Risk Analysis for Distributors (3) (S) (P: IDIS 3815)
IDIS 4800. Distribution and Logistics Capstone (3) (F,S) (P: Junior standing; IDIS 3790, ITEC 3290, 3300; IDIS major)
IDIS 4802. Distribution Research (3) (F,S) (P: IDIS 4800; senior standing)
ITEC 3290. Technical Writing (3) (WI) (F,S) (P: ENGL 1200)
ITEC 3292. Industrial Safety (3) (F,S) (Formerly EHST 3292) (P: Junior standing)
ITEC 3300. Technology Project Management (3) (WI) (F,S) (P: ENGL 1200; ITEC 2000 or MIS 2223)
ITEC 3800. Cost and Capital Project Analysis (3) (S) (P: MATH 1065)
ITEC 4293. Industrial Supervision (3) (WI) (F) (P: Senior standing; or consent of instructor)
ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)

3. Cognates ..... 12 s.h.
ACCT 2101. Survey of Financial and Management Accounting (3) (F,S) (P: MATH 1065)
FINA 2244. Legal Environment of Business (3) (F,S,SS)
MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent) or ITEC 3200. Introduction to Statistical Process Control (3,0) (F,S) (P: MATH 1065 or 1065 or equivalent)
ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S) or MIS 2223. Introduction to Computers (3) (F,S,SS)

4. Electives to complete requirements for graduation ..... 15 s.h.

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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 Industrial Engineering Technology

Merwan B. Mehta, Cordinator, 212 Science and Technology Building

Minimum degree requirement is **126 s.h.** of credit as follows:

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
   PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261**:** PHYS 1260 or 2260)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
2. **Core.....66 s.h.**
   DESN 2034, 2035. Engineering Graphics I (3,0) (F,S) (P: ITEC 2000 or MIS 2223)
   DESN 2036, 2037. Computer-Aided Design and Drafting (3,0) (F,S) (P: DESN 2034)
   IENG 2020, 2021. Materials and Processes Technology (3,0) (WI*) (F,S) (P: ITEC 2000 or MIS 2223)
   IENG 2076, 2077. Introduction to Computer Numerical Control (CNC) (3,0) (F,S) (P: DESN 2034)
   IENG 3020, 3021. Introduction to Computer Integrated Manufacturing (3,0) (S) (P: ITEC 2090; IENG 2076)
   IENG 3300. Plant Layout and Materials Handling (3) (F) (P: IENG 2020)
   IENG 3600. Statics and Strength of Materials (3) (F) (P: IENG 2020, MATH 2119)
   IENG 4020. Manufacturing System Planning (3) (F) (P: ITEC 3200; MATH 2119)
   IENG 4023. Advanced Manufacturing Systems (3) (S) (P: IENG 3300)
   IENG 4092. Operation Research (3) (S) (P: IENG 3300, MATH 2119)
   IENG 4200. Work Methods and Ergonomic Analysis (3) (S) (P: IENG 4020)
   IENG 4900. Capstone (3) (F,S) (P: Senior standing)
   ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S)
   ITEC 2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S) (P: MATH 1065 or 1066 or 1085 or 2119)
   ITEC 2080, 2081. Thermal and Fluid Systems (3,0) (F,S) (P: IENG 2020)
   ITEC 2090, 2091. Electromechanical Systems (3,0) (F,S) (P: ITEC 2054)
   ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
   ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
   ITEC 3300. Technology Project Management (3) (F,S) (WI) (P: ENGL 1200; ITEC 2000 or MIS 2223)
   ITEC 3800. Cost and Capital Project Analysis (3) (S) (P: MATH 1065)
   ITEC 4293. Industrial Supervision (3) (WI) (F) (P: Senior standing or approval of instructor)
   ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)
3. **Cognates.....12 s.h.**
   CHEM 1020. General Descriptive Chemistry (4) (F,S)
   ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1066 or equivalent)
   MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065)
   MATH 2119. Elements of Calculus (3) (F,S,SS) (P: MATH 1065 with minimum grade of C)
4. **Approved electives to complete requirements for graduation.**

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

BS in Industrial Technology

David L. Batts, Coordinator, 230 Slay Building

Student must have an associate degree from an approved technical program. Minimum degree requirement is **126 s.h.** of credit as follows. Students must complete at ECU a minimum of 42 s.h. credit of upper division core and concentration courses. Industrial technology courses completed at ECU and transfer courses must total at least 66 s.h. All students pursuing a bachelor of science in industrial technology through distance education (online) are required to complete ITEC 3000 in their initial semester of enrollment at East Carolina University. For distance education (online) students only, ITEC 3000 will fulfill 3 s.h. of the required 27 s.h. in their chosen concentration area. ITEC 3100, 4100 or any course that does not meet as a class may not be used as upper division core or concentration courses.

1. **Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.**
   COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
   ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
   MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
   PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
   PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)
2. **Lower Division Core.....24 s.h.**
   Transfer technical courses up to 24 s.h. or approved technical courses.
3. **Upper Division Core.....15 s.h.**
   ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1066 or equivalent)
   ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
   ITEC 3300. Technology Project Management (3) (WI) (F,S) (P: ENGL 1200; ITEC 2000 or MIS 2223)
   ITEC 3800. Cost and Capital Project Analysis (3) (S) (P: MATH 1065)
   ITEC 4293. Industrial Supervision (3) (WI) (F) (P: Senior standing or approval of instructor)
4. **Concentrations (choose one).....27 s.h.**

   Architectural Technology
   DESN 3030, 3031. Architectural Drafting (3,0) (F,S) (P: DESN 2034 or IDSN 1281)
   DESN 3032, 3033. Engineering Graphics II (3,0) (S) (P: DESN 2036)
   DESN 3036, 3037. Architectural Design and Drafting (3,0) (F) (P: DESN 2036, 3030)
   DESN 3038, 3039. Sustainable Design (3,0) (S) (P: DESN 2036, 3030)
   PLAN 3021. Introduction to Planning Techniques (3) (F)
   PLAN 3051. Introduction to GIS in Planning (3) (F) (P: GEOG 3410 or consent of instructor)
   PLAN 4003. Urban Form and Design (3) (S)
   Approved technical electives (6 s.h.)

   Bioprocess Manufacturing
   ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
   ITEC 4150. Microbiology for Industrial Processing (3) (F) (P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree)
   ITEC 4250. Engineering for Food Safety and Sanitation (3) (F) (P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree)
   ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)
   ITEC 4350. Separation Techniques for Industrial Processing (3) (S) (P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree)
   ITEC 4450. Waste Treatment Techniques for Industrial Processing (3) (S) (P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

ITEC 4550. Quality in Regulatory Environments (3) (S) (P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree)
Approved technical electives (6 s.h.)

Distribution and Logistics

IDIS 2771. Introduction to Distribution and Logistics (3) (F,S)
IDIS 3785. Global Logistics (3) (F,S) (P: IDIS 2771)
IDIS 3790. Technical Presentations for Industry (3) (F,S) (P: ITEC 2000 or MIS 2223)
IDIS 3800. Transportation Logistics (3) (S) (P: IDIS 2771)
IDIS 3805. Purchasing Logistics (3) (F,S) (P: IDIS 2771)
IDIS 3815. Supply Chain Logistics (3) (F,S) (P: IDIS 2771)
IDIS 3825. Strategic Pricing for Distributors (3) (S) (P: ACCT 2101; IDIS 2771)
IDIS 3835. Security and Risk Analysis for Distributors (3) (S) (P: IDIS 3815)
Approved technical electives (3 s.h.)

Industrial Supervision

IDIS 2771. Introduction to Distribution and Logistics (3) (F,S)
IDIS 3790. Technical Presentations for Industry (3) (F,S) (P: ITEC 2000 or MIS 2223)
IDIS 3815. Supply Chain Logistics (3) (F,S) (P: IDIS 2771)
IENG 3300. Plant Layout and Materials Handling (3) (F) (P: IENG 2020)
IENG 4200. Work Methods and Ergonomic Analysis (3) (S) (P: IENG 4020)
ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)
Approved technical electives (6 s.h.)

Information and Computer Technology

Choose nine courses from below (27 s.h.):
ICTN 2000. Introduction to Telecommunications (3) (F)
ICTN 2530, 2531 Network Environment II (3,0) (F,S) (P: ICTN 1500)
ICTN 2900, 2901. Introduction to Network Security (3,0) (F) (P: ICTN 2154)
ICTN 3250, 3251. Internetwork Routing Technology (3,0) (F) (P: Current CCNA certification)
ICTN 3530, 3531 Network Environment II (3,0) (S) (P: ICTN 1500)
ICTN 3540, 3541. Network Environment III (3,0) (F) (P: ICTN 2510, 2530)
ICTN 3900, 3901. Web Services Management (3,0) (F) (P: ICTN 2510, 2530)
ICTN 4010, 4011. User Application Management and Emerging Technologies (3,0) (F) (P: ICTN 2510, 2530)
ICTN 4040. Communication Security (3) (S) (P: Senior standing and ICTN 2154)
ICTN 4064. Regulations and Policies (3) (S) (P/C: FINA 2244; P: ICTN 2000)
ICTN 4150, 4151. Switching Network Technology (3,0) (F) (P: Current CCNA certification)
ICTN 4200, 4201. Intrusion Detection Technologies (3,0) (F) (P: ICTN 2530, 2900)
ICTN 4250, 4251. Enterprise Network Technology (3,0) (S) (P: Current CCNA certification)
ICTN 4592, 4593. Optimizing Converged Networks (3,0) (S) (P: Current CCNA certification)
ICTN 4600, 4601. Enterprise Information Technology Management (3,0) (S) (P: ICTN 2154, 2540)
ICTN 4800, 4801. Information Assurance Technologies (3,0) (F) (P: ICTN 2530, 2900)
ITEC 3000. Internet Tools Technology (3) (F,S) (P: MIS 2223 or ITEC 2000; distance education (online) student)

Manufacturing Systems

IENG 3300. Plant Layout and Materials Handing (3) (F) (P: IENG 2020)
IENG 4020. Manufacturing System Planning (3) (F) (P: ITEC 3200)
IENG 4023. Advanced Manufacturing Systems (3) (S) (P: IENG 3300)
IENG 4200. Work Methods and Ergonomic Analysis (3) (S) (P: IENG 4020)
ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
ITEC 4300. Quality Assurance Concepts (3) (F,S) (P: ITEC 3200 or MATH 2283)
Approved technical electives (9 s.h.)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

Mechanical Technology

DESN 3032, 3033. Engineering Graphics II (3,0) (S) (P: DESN 2036)
DESN 3230, 3231. Rapid Prototyping (3,0) (S) (P: DESN 3032; IENG 2076)
DESN 3234, 3235. Jig and Fixture Design (3,0) (F) (P: DESN 3032; ITEC 2090; IENG 2076)
DESN 3236, 3237. Geometric Dimensioning and Tolerancing (3,0) (F) (P: DESN 3032; MATH 1074; ITEC 3200 or MATH 2283)
IENG 2076, 2077. Introduction to Computer Numerical Control (CNC) (3,0) (F,S) (P: DESN 2034)
IENG 3020, 3021. Introduction to Computer Integrated Manufacturing (3,0) (S) (P: ITEC 2090; IENG 2076)
IENG 3300. Plant Layout and Materials Handling (3) (F) (P: IENG 2020)
Approved technical electives (6 s.h.)

5. Cognates.....5 s.h.

FINA 2244. Legal Environment of Business (3) (F,S,SS)
MATH 1074. Applied Trigonometry (2) (F,S,SS) (P: MATH 1065)

6. Approved electives to complete requirements for graduation.

BS in Information and Computer Technology

Philip J. Lunsford, Coordinator, C123 Science and Technology Building

Credit toward an information and computer technology major will not be given for any ICTN course with a grade less than C. All students pursuing a bachelor of science in information and computer technology through distance education (online) are required to complete ITEC 3000 in their initial semester of enrollment at East Carolina University. Minimum degree requirement is **126 s.h.** credit as follows:

1. Foundations curriculum requirements (See Section 4, Foundations Curriculum Requirements for all Baccalaureate Degree Programs), including those listed below .....42 s.h.

COMM 2410. Public Speaking (3) (F,S,SS) (FC:FA) or COMM 2420. Business and Professional Communication (3) (F,S,SS) (FC:FA)
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO)
MATH 1065. College Algebra (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test) or MATH 1066. Applied Mathematics for Decision Making (3) (F,S,SS) (FC:MA) (P: Appropriate score on mathematics placement test or approval of dept chair)
PHYS 1250, 1260. General Physics (3,3) (F,S,SS) (FC:SC) (P for 1250: MATH 1065 or 1066; P for 1260: PHYS 1250)
PHYS 1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC:SC) (C for 1251: PHYS 1250 or 2350; C for 1261: PHYS 1260 or 2260)
PSYC 1000. Introductory Psychology (3) (F,S,SS) (FC:SO)
PSYC 3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC:SO) (P: PSYC 1000 or 1060)

2. Lower Division Core.....24 s.h.

ICTN 1500, 1501. PC Hardware (3,0) (F,S)
ICTN 2000. Introduction to Telecommunications (3) (F)
ICTN 2154, 2155. Digital Communication Systems (3,0) (F,S) (P: ICTN 1500; RP/C: ICTN 2000)
ICTN 2158, 2159. Computer Network Technology (3,0) (F,S) (P: ICTN 2154)
ICTN 2510, 2511. Network Environment I (3,0) (F) (P: ICTN 1500)
ICTN 2530, 2531. Network Environment II (3,0) (S) (P: ICTN 1500)
ICTN 2732. Scripting for Information Technology (3) (S) (P: ITEC 2000; P/C: ICTN 2530)
ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S) or ITEC 3000. Internet Tools Technology (3) (F,S) (P: MIS 2223 or ITEC 2000 or equivalent experience) or equivalent.

3. Upper Division Core.....27 s.h.

ICTN 2900, 2901. Introduction to Network Security (3,0) (F) (P: ICTN 2154)
ICTN 3540, 3541. Network Environment III (3,0) (F) (P: ICTN 2530)
ICTN 4000. Network Internship (3) (F,S,SS) (P: Junior standing and ICTN major)
ICTN 4020. Senior Information and Computer Technology Capstone Design Project I (1) (WI) (F) (P: Senior standing, IDIS 3790, ITEC 3290, 3300 and ICTN major)

The courses listed as degree requirements may have prerequisites or corequisites that are not indicated. See section 9.
(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

ICTN 4022. Senior Information and Computer Technology Capstone Design Project II (2) (WI) (S) (P: ICTN 4020)
ICTN 4040. Communication Security (3) (S) (P: Senior standing and ICTN 2154, 2530)
IDIS 3790. Technical Presentations for Industry (3) (F,S) (P: ITEC 2000 or MIS 2223)
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
ITEC 3300. Technology Project Management (3) (WI) (F,S) (P: ENGL 1200; ITEC 2000 or MIS 2223)

4. Concentration area (Choose one.).....12 s.h.

Computer Networking:

ICTN 3250, 3251. Internetwork Routing Technology (3,0) (F) (P: Current CCNA certification)
ICTN 4150, 4151. Switching Network Technology (3,0) (F) (P: Current CCNA certification)
ICTN 4250, 4251. Enterprise Network Technology (3,0) (S) (P: Current CCNA certification)
ICTN 4590, 4591. Network Maintenance and Troubleshooting (3,0) (WI) (S) (P: Current CCNA certification)
ICTN 4592, 4593. Optimizing Converged Networks (3,0) (S) (P: Current CCNA certification)

Information Security:

ICTN 4064. Regulations and Policies (3) (S) (P/C: FINA 2244; P: ICTN 2000, 2530)
ICTN 4200, 4201. Intrusion Detection Technologies (3,0) (F) (P: ICTN 2530, 2900)
ICTN 4600, 4601. Enterprise Information Technology Management (3,0) (S) (P: ICTN 2154, 2540)
ICTN 4800, 4801. Information Assurance Technologies (3,0) (F) (P: ICTN 2530, 2900)

Information Technology:

ICTN 3900, 3901. Web Services Management (3,0) (F) (P: ICTN 2510, 2530)
ICTN 4010, 4011. User Application Management and Emerging Technologies (3,0) (F) (P: ICTN 2510, 2530)
ICTN 4064. Regulations and Policies (3) (S) (P/C: FINA 2244; P: ICTN 2000, 2530)
ICTN 4600, 4601. Enterprise Information Technology Management (3,0) (S) (P: ICTN 2154, 2540)

5. Cognates.....12 s.h.

FINA 2244. Legal Environment of Business (3) (F,S,SS)
ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1066 or equivalent) or MATH 2283. Statistics for Business (3) (F,S,SS) (P: MATH 1065 or 1066 or equivalent)
ITEC 3800. Cost and Capital Project Analysis (3) (S) (P: MATH 1065) or ACCT 2101 Survey of Financial and Managerial Accounting (3) (F,S) (P: MATH 1065 or 1066) or ACCT 2401. Financial Accounting (3) (F,S,SS) (P: MATH 1065 or 1066 or 2119 or 2121 or 2171)
ITEC 4293. Industrial Supervision (3) (WI) (F) (P: Senior standing or approval of instructor) or MGMT 3202. Fundamentals of Management (3) (F,S,SS) (P: ECON 1000 or 2113)

6. Approved electives to complete requirements for graduation.

Industrial Technology Management Minor

The industrial technology management minor requires **24 s.h.** of credit as follows:

FINA 2244. Legal Environment of Business (3) (F,S,SS)
IDIS 2771. Introduction to Distribution and Logistics (3) (F,S)
ITEC 3200. Introduction to Statistical Process Control (3) (F,S) (P: MATH 1065 or 1066 or equivalent)
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) (P: ENGL 1200)
ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
ITEC 3300. Technology Project Management (3) (WI) (F,S) (P: ENGL 1200; ITEC 2000 or MIS 2223)
ITEC 3800. Cost and Capital Project Analysis (3) (S) (P: MATH 1065)
ITEC 4293. Industrial Supervision (3) (WI) (F) (P: Senior standing or approval of instructor)

Information and Computer Technology Minor

The information and computer technology minor requires **24 s.h.** of credit as follows:

ICTN 1500, 1501. PC Hardware (3,0) (F,S)
ICTN 2000. Introduction to Telecommunications (3) (F)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

ICTN 2154, 2155. Digital Communication Systems (3,0) (F,S) (P: ICTN 1500; RP/C: ICTN 2000)
ICTN 2158, 2159. Computer Networking Technology (3,0) (F,S) (P: ICTN 2154)
ICTN 2510. 2511. Network Environment I (3,0) (F) (P: ICTN 1500)
ICTN 2530, 2531. Network Environment II (3,0) (S) (P: ICTN 1500)
ICTN 2900, 2901. Introduction to Network Security (3,0) (F) (P: ICTN 2154)
ICTN 4040. Communication Security (3) (S) (P: Senior standing; ICTN 2154, 2530)

Occupational Safety and Health Minor

Minimum requirement for environmental health minor is **24 s.h.** of credit as follows:

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) (F,S)
EHST 4200. Environmental Health Management and Law (3) (F)
ITEC 3292. Industrial Safety (3) (F,S) (P: Junior standing)
Choose 8 s.h. of general science lab courses

SIGNIFICANCE OF COURSE NUMBERS

0001-0999 Remedial	**3000-3999 Junior**	**6000-6999 Master's**
1000-1999 Freshman	**4000-4999 Senior**	**7000-7999 Doctoral**
2000-2999 Sophomore	**5000-5999 Master's**	**8000-9000 Doctoral**

Five-thousand-level (5000-5999) courses are master's 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, director of the school, or dean of the college in which the course is offered. Seven-thousand-level (7000-7999) courses are doctoral courses. Qualified master's students may enroll in seven-thousand-level courses if they have completed the stated prerequisite(s) or with the written permission of the instructor, chairperson of the department, director of the school, or dean of the college in which the course is offered.

COURSE PREFIXES

AAAS	African and African American Studies	Thomas Harriot College of Arts and Sciences
ACCT	Accounting	College of Business
ADED	Adult Education	College of Education
AERO	Aerospace Studies	Military Programs
ANAT	Anatomy	Brody School of Medicine
ANTH	Anthropology	Department of Anthropology
ART	Art	College of Fine Arts and Communication
ASEU	Area Studies-European Studies	Thomas Harriot College of Arts and Sciences
ASIA	Asian Studies	Thomas Harriot College of Arts and Sciences
ASIP	Administrative Services and Information Processing	College of Education
ASLS	American Sign Language Studies	College of Allied Health Sciences
ATEP	Athletic Training Education Program	College of Health and Human Performance
BIME	Biomedical Engineering	College of Technology and Computer Science
BIOC	Biochemistry	Brody School of Medicine
BIOE	Bioprocess Engineering	College of Technology and Computer Science
BIOL	Biology	Department of Biology
BIOS	Biostatistics	College of Allied Health Sciences
BISC	Biological Sciences	Brody School of Medicine
BUSI	Business	College of Business
BVTE	Business and Information Technologies Education	College of Education
CDFR	Child Development and Family Relations	College of Human Ecology
CHE	College of Human Ecology	College of Human Ecology
CHEM	Chemistry	Department of Chemistry
CHIN	Chinese	Department of Foreign Languages and Literatures
CLAS	Classical Studies	Thomas Harriot College of Arts and Sciences
CLSC	Clinical Laboratory Science	College of Allied Health Sciences
CMED	Comparative Medicine	Brody School of Medicine
CMGT	Construction Management	College of Technology and Computer Science
COAD	Counselor and Adult Education	College of Education
COAS	Coastal and Marine Studies	Thomas Harriot College of Arts and Sciences
COHE	Community Health	College of Allied Health Sciences
COMM	Communication	College of Fine Arts and Communication
CRM	Coastal Resources Management	Graduate School
CSCI	Computer Science	College of Technology and Computer Science
CSDI	Speech and Hearing Sciences	College of Allied Health Sciences
DESN	Design and Drafting	College of Technology and Computer Science
DNCE	Dance	College of Fine Arts and Communication
DRED	Driver Education	College of Health and Human Performance
ECON	Economics	Department of Economics
EDTC	Educational Technology	College of Education
EDUC	Education	College of Education
EHST	Environmental Health	College of Health and Human Performance
ELEM	Elementary Education	College of Education

ENED	English Education	College of Education
ENGL	English	Department of English
ENMA	Engineering Management	College of Technology and Computer Science
ETHN	Ethnic Studies	Thomas Harriot College of Arts and Sciences
EXSS	Exercise and Sport Science	College of Health and Human Performance
FACS	Family and Consumer Sciences	College of Human Ecology
FINA	Finance	College 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 Geological Sciences
GERM	German	Department of Foreign Languages and Literatures
GERO	Gerontology	Interdisciplinary Programs
GRAD	Graduate Studies	Graduate School
GRBK	Great Books	Thomas Harriot College of Arts and Sciences
GRK	Greek	Department of Foreign Languages and Literatures
HIED	History Education	College of Education
HIMA	Health Information Management	College of Allied Health Sciences
HIST	History	Department of History
HLTH	Health	College of Health and Human Performance
HMGT	Hospitality Management	College of Human Ecology
HNRS	Honors	Honors Program
HPRO	Health Professions	College of Allied Health Sciences
HSMA	Health Services Management	College of Allied Health Sciences
HUEC	Human Ecology	College of Human Ecology
HUMS	Medical Humanities	Brody School of Medicine
ICEE	Integrated Collaborative Engineering Environment	College of Technology and Computer Science
ICTN	Information and Computer Technology	College of Technology and Computer Science
IDIS	Industrial Distribution and Logistics	College of Technology and Computer Science
IDSN	Interior Design	College of Human Ecology
IENG	Industrial Engineering Technology	College of Technology and Computer Science
INTE	Interdepartmental	Brody School of Medicine
INTL	International Studies	Thomas Harriot College of Arts and Sciences
IPAM	Indigenous Peoples of the Americas	Thomas Harriot College of Arts and Sciences
IRHE	Interdisciplinary Rural Health Education	Health Sciences Division
ITAL	Italian	Department of Foreign Languages and Literatures
ITEC	Industrial Technology	College of Technology and Computer Science
JAPN	Japanese	Department of Foreign Languages and Literatures
JUST	Criminal Justice	College of Human Ecology
LATN	Latin	Department of Foreign Languages and Literatures
LDVP	Leadership Development	Center for Leadership Development
LEED	Educational Leadership	College of Education
LIBS	Library Studies	College of Education
MAST	Maritime Studies	Coastal Resources Management
MATE	Mathematics Education	College of Education
MATH	Mathematics	Department of Mathematics
MCBI	Microbiology	Brody School of Medicine
MGMT	Management	College of Business
MIDG	Middle Grades Education	College of Education
MIS	Management Information Systems	College of Business
MKTG	Marketing	College of Business
MLSC	Military Science	Military Programs
MPH	Public Health	Graduate School
MRCH	Merchandising	College of Human Ecology
MRST	Medieval and Renaissance Studies	Thomas Harriot College of Arts and Sciences

MULT	Multidisciplinary Studies	Thomas Harriot College of Arts and Sciences
MUSC	Music	College of Fine Arts and Communication
NCST	North Carolina Studies	Thomas Harriot College of Arts and Sciences
NEUR	Neuroscience	Thomas Harriot College of Arts and Sciences and Brody School of Medicine
NURS	Nursing	College of Nursing
NUTR	Nutrition and Dietetics	College of Human Ecology
OCCT	Occupational Therapy	College of Allied Health Sciences
OMGT	Operations Management	College of Business
PADM	Public Administration	Department of Political Science
PADP	Physician Assistant	College of Allied Health Sciences
PATH	Pathology	Brody School of Medicine
PHAR	Pharmacology	Brody School of Medicine
PHIL	Philosophy	Department of Philosophy
PHYS	Physics	Department of Physics
PLAN	Planning	Department of Geography
POLS	Political Science	Department of Political Science
PSYC	Psychology	Department of Psychology
PTHE	Physical Therapy	College of Allied Health Sciences
RCLS	Recreation and Leisure Studies	College of Health and Human Performance
RCTX	Recreational Therapy	College of Health and Human Performance
READ	Reading	College of Education
REHB	Rehabilitation Studies	College of Allied Health Sciences
RELI	Religious Studies	Thomas Harriot College of Arts and Sciences
RONC	Radiation Oncology	Brody School of Medicine
RUSI	Russian Studies	Thomas Harriot College of Arts and Sciences
RUSS	Russian	Department of Foreign Languages and Literatures
SCIE	Science Education	College of Education
SECS	Security Studies	Thomas Harriot College of Arts and Sciences
SENG	Software Engineering	College of Technology and Computer Science
SOCI	Sociology	Department of Sociology
SOCW	Social Work	College of Human Ecology
SPAN	Spanish	Department of Foreign Languages and Literatures
SPED	Special Education	College of Education
SYSE	Systems Engineering	College of Technology and Computer Science
TCHR	Teacher Education	College of Education
TECH	Technology	College of Education
THEA	Theatre Arts	College of Fine Arts and Communication
WOST	Women's Studies	Thomas Harriot 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 foundations curriculum credit have been identified in the course listings using the following key. However, there may be other courses with the prefix which also carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.

(FC:EN)=English
(FC:EX)=Exercise and Sport Science
(FC:FA)=Fine Arts
(FC:HL)=Health
(FC:HU)=Humanities
(FC:MA)=Mathematics
(FC:SC)=Science
(FC:SO)=Social Science

AAAS: AFRICAN AND AFRICAN AMERICAN STUDIES

1000. Introduction to African and African American Studies (3) Provides a broad overview of African and African American Studies, as well as useful perspectives and frameworks for studying African peoples in Africa and diaspora/ Atlantic World communities.

2000. Study Abroad (3) (S) On-site exploration of Africana fine arts, health, science, social science, and/or humanities topics.

4000. Senior Seminar (3) P: Declared majors and minors in AAAS, with senior standing or consent of instructor. Capstone for undergraduates in African and African American Studies.

ACCT: ACCOUNTING

2101. Survey of Financial and Managerial Accounting (3) (F,S) P: MATH 1065 or 1066. May not substitute for ACCT 2401 or ACCT 2521. May not count toward any College of Business requirement. Survey from a user perspective.

2401. Financial Accounting (3) (F,S,SS) P: MATH 1065 or 1066 or 2119 or 2121 or 2171. 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.

3101. Fraud Examination (3) P: ACCT 2101 or ACCT 2401. Pervasiveness and causes of fraud in society; exploration of methods of fraud detection, investigation, and prevention. Special emphasis on fraudulent financial reporting and its affect on capital markets. May not be used in accounting concentrations.

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 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, international operations, and other advanced accounting topics.

3851. Accounting Information Systems (3) (F,S) Formerly ACCT 4651 Registration preference given to declared majors with a minimum 2.5 GPA. P/C: ACCT 3551. Procedures, techniques, and cycles with an emphasis on business processes and internal control.

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. Taxation for Decision Making (3) (WI) (F,S) Registration preference given to declared majors with a minimum 2.5 GPA. P: ACCT 3561. Examination of major tax issues inherent in business and financial transactions. Emphasis on planning to maximize tax opportunities and minimize tax liabilities.

4621. Controllership Topics (3) (F,S) Registration preference given to declared majors with a minimum 2.5 GPA. P: ACCT 3551; ACCT 3621. Major aspects of controllership, including planning, organizing, directing, measuring, and analysis of accounting information.

(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

4631. Internal Auditing (3) (F,S) Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: ACCT 3621; ACCT 3851. Fundamental elements of internal control systems, including business, enterprise, and audit risk, and basic principles used to establish internal audit objectives plus programs.

4641. Governmental and Not-for-Profit Accounting (3) (F,S) Registration preference given to declared and intended majors with a minimum 2.5 GPA P: ACCT 3551. Concepts, principles, and transformations underlying compilation and presentation of governmental and not-for-profit financial statements.

4661. Accounting Systems II (3) (F,S) Registration preference given to declared and intended majors with minimum 2.5 GPA. P: ACCT 3851. Development of accounting systems for manual and automated environments. Emphasis on internal control and reporting requirements for management and GAAP.

4921. Accounting for Business Professionals (3) (F,S) P: ACCT 2521. Not for accounting majors. Overview of business processes, internal control and taxation. Includes exposure to generalized accounting software package.

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.

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.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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.

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.

ANTH: ANTHROPOLOGY

1000. Introduction to Anthropology (3) (F,S,SS) (FC:SO) Anthropological studies of human culture.

1050. Global Understanding (3) (F, S, SS) (FC:SO) Virtual exchange with a variety of countries to explore human diversity and the impact of globalization.

2000. Archaeology Around the World (3) (F,S) (FC: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) (FC:SO) Human adaptation to different environments from prehistoric to modern times.

2010. Societies Around the World (3) (F,S,SS) (FC:SO) Ethnographic survey of world culture areas showing similarities and variations in cultural patterns.

2015. Introduction to Biological Anthropology (3) (WI*) (F,S) (FC:SC) Same as BIOL 2015 May count toward foundations curriculum science requirement for all except anthropology majors. May not count toward foundations curriculum 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) (FC:SC) Same as BIOL 2016 May not count toward foundations curriculum science requirement for anthropology majors. May not count toward foundations curriculum 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) (FC: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) (FC:SO) Nature of human culture. Emphasis on concepts and methods of cross-cultural study of human societies.

2760. Afro-Caribbean Language And Culture (3) (S) Same as ENGL 2760 P: ENGL 1200. Description and analysis of the languages spoken by the descendents of Africans in the Caribbean.

3002. Cultures of East Asia (3) (FC: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) (FC: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) (FC: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) (FC: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) (FC: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) 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.

3012. Lifeways of Pastoral Nomads (3) (S) P: ANTH1000 or 2000 or 2005 or 2010 or 2200 or consent of instructor. Cultures of the people of Africa, the Middle East and Central Asia who subsist on animal husbandry.

3016. Cultures of the Caribbean (3) (S) (FC: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) (FC: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) (FC: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) 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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3026. Forensic Anthropology (3) (S) P: ANTH 2015, 2016, or consent of instructor. May not count toward foundations curriculum requirement. Human osteology, establishing a biological profile, analysis of trauma and manner of death, and the legal duties of the forensic anthropologist.

3027. Human Health and Disease Ecology (3) 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.

3028. Human Adaptation and Variation (3) (S) P: ANTH 2015; or consent of instructor. Evolutionary perspective of the adaptive nature of contemporary human physical diversity.

3050. Ethnographic Field Methods (3) (S) P: ANTH 2010 or 2200 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) (FC: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.

3113. Archaeology of the Old Testament World (3) (OY) Same as RELI 3113 P: ANTH 1000 or 2000 or PHIL 1695 or consent of instructor. Survey of Bronze and Iron Age cultures of Syria-Palestine, ca. 3500-586 BC/BCE, with emphasis on use of archaeological materials in historical reconstruction.

3114. Archaeology of the New Testament World (3) (OY) Same as RELI 3114 P: ANTH 1000 or 2000 or PHIL 1696 or consent of instructor. Survey of Persian, Hellenistic, Roman, and Byzantine periods in Syria-Palestine, 539 BC/BCE to 640 AD/CE, with emphasis on use of archaeological materials in historical reconstruction.

3115. Caribbean Archaeology (3) (F) P: ANTH 1000 or 2000 or consent of instructor. Archaeology of Circum Caribbean area from Archaic Period to end of Colonial Period.

3116. Latin American Archaeology (3) (OY) P: ANTH 1000 or 2000; or consent of instructor. Archaeology of Latin America from initial human colonization (Late Pleistocene) until European contact, including impact of food production, and development of social complexity.

3117. Prehistory of the Middle East (3) (S) P: ANTH 1000 or 2000 or consent of instructor. Prehistoric cultures of Mesopotamia and surrounding areas with an emphasis on changes to the socio-economic organization in response to environment and cultural factors.

3150. Applying Anthropology to Contemporary Cultural Issues (3) (S) P: ANTH1000 or 2010 or 2200 or consent of instructor. Experiential learning about real life conditions both globally and within local communities in eastern North Carolina.

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) (FC: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) (FC: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.

3300. Language and Culture (3) (FC:SO) P: ANTH 1000 or ANTH 2010 or ANTH 2200, or consent of instructor. Introduction to the understanding of the structure and function of language in its anthropological linguistic and cultural context.

3720. Writing Systems of the World (3) (F) Same as ENGL 3720 P: ENGL 1200. Writings systems and their relationship to language, literacy, and multicultural communication.

3770. Language Universals (3) (WI) Same as ENGL 3770 P: ENGL 1200. Analysis of components of human language and how they are uniquely configured within the human species, shaped by the brain and evolution.

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 2010 or 2200, 2000 and 2015/16 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) (FC: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) (FC: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.

4201. Special Topics in Archaeology (3) P: ANTH 2000; or consent of instructor. Specialized topics and current developments.

4202. Special Topics in Cultural Anthropology (3) P: ANTH 2200 or 2010; or consent of instructor. Specialized topics and current developments .

4203. Special Topics in Biological Anthropology (3) P: ANTH 2015; or consent of instructor. Specialized topics and current developments.

4225. Human Evolution (3) P: ANTH 2015, 2016; or consent of instructor. Data, methods, and theoretical problems in human evolution.

4253. Social Anthropology (3) (FC:SO) P: ANTH 1000 or 2010 or 2200 or consent of instructor. Social organization. Emphasis on kinship and descent.

4260. Cultural Ecology (3) (FC: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) 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.

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.

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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 ongoing 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: ANIMATION/INTERACTIVE DESIGN

2070. Animation/Interactive Design Survey (3) (F,S,SS) P: ART 1030; 1906 or 1907. Using computers to solve visual problems. Exploration of ways that animation/interactive design and digital imaging can complement experiences in various disciplines.

2470. Introduction to Digital 3D Modeling and Animation (3) P: ART 1015, 1030. Studio that develops students design process through construction of digital 3D models and animation.

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. Web based projects incorporate sound, full-motion video, and still and kinetic imagery. Users interact with information presented. Emphasis on problem-seeking/problem-solving processes.

3082. Motion Graphics Studio (3) (F,SS) An introductory course in motion graphics, kinetic typography, and broadcast and web animation.

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.

3470. Digital 3D Animation (3) P: ART 2470 or consent of instructor. Design studio that develops student's concept of digital 3D modeling as applied to animation and special effects.

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.

4411. Professional Practice (3) P: ART 4070, 4470 or 4200 or 4210 or 4220; 4240; or consent of instructor. Advanced media design projects and practices for professional portfolio presentations are covered to prepare students for entry-level employment.

4470. Digital 3D Lighting and Rendering (3) P: ART 3470 or consent of instructor. Design studio that develops the concept of digital geometries. Basic elements that make digital 3D models, including effects of lighting, texture mapping and rendering.

ART: ANIMATION/INTERACTIVE DESIGN FOR NON-ART MAJORS

1070. Animation Art with ECU's Sonic Plaza for Non-Art Majors (3) (F,S,SS) May not substitute for ART 1005. Introduction to the fundamentals of art through making animations for ECU's Sonic Plaza monitor ring.

ART: ART AND DESIGN

1005. Design I (3) (F,S,SS) (FC: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.

1020. Drawing (3) (F,S,SS) (FC: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) (FC: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) (FC: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) (FC: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) (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.

ART: ART EDUCATION

1001. Color and Design (3) (F,S,SS) (FC: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.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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; ART 3851. 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 (1) (F,S) P: Senior standing; admission to upper division; ART 2123, 3860, 4323; successful completion of professional education courses; C: ART 4850 or 4851 and 4870 or 4871. Seminar for discussion of the issues and concerns of the internship experience.

4850. Art Internship in Elementary Education (6) (F,S) P: Senior standing; admission to upper division; ART 2123, 3860, 4323; successful completion of professional education courses; C: ART 4325 and 4871. Observation and supervised teaching in elementary school classes.

4851. Art Internship in Elementary Education (3) (F,S) P: Senior standing; admission to upper division; ART 2123, 3860, 4323; successful completion of professional education courses; C: ART 4325, 4870. Observation and supervised teaching in elementary school classes.

4870. Art Internship in Secondary Education (6) (F,S) P: Senior standing; admission to upper division; ART 2123, 3860, 4323; successful completion of professional education courses; C: ART 4325 and 4851. Observation and supervised teaching in junior and/or senior high school classes.

4871. Art Internship in Secondary Education (3) (F,S) P: Senior standing; admission to upper division; ART 2123, 3860, 4323; successful completion of professional education courses; C: ART 4325, 4850. Observation and supervised teaching in secondary school classes.

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) (FC: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) (FC: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.

(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

1907. Art History Survey (3) (F,S) (FC: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.

3920. Asian Art (3) (WI*) (F,S) Painting, sculpture, and architecture of China, Japan, and India.

3930. Italian Renaissance Art: 1300-1500 (3) (WI*) P: ART 1906, 1907. Painting, architecture, and sculpture in Italy from 1300-1500.

3935. Italian Baroque Art: 1600-1700 (3) Significant artists and art theories of Baroque Italy.

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) (FC: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.

3951. Introduction to the History of Architecture (3) (F,S) P: ART 1906, 1907; or consent of instructor. Survey of architectural history in the West, from prehistory to twenty-first century, including context, expressive content, function, structure, style, form, building technology. Main architectural terms, concepts, and theories.

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.

3962. Art and Landscape in the Andes (3) (F,S) P: ART 1906, 1907; or consent of instructor. Chronological survey of Andean visual culture. Analysis of Andean art from a landscape and sacred geography perspective.

3970. African Art (3) (WI*) (F,S) P: ART 1906, 1907; or consent of instructor. Traditional and contemporary art of west and central Africa.

3975. African American Art (3) (F,S) (FC: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. 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. Art History and Its Methods (3) (WI*) (F) Formerly ART 4980 Required of art history majors. P: ART 1906, 1907 or consent of instructor. 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.

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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. Survey of Twentieth-Century Modern Art: 1900-1950 (3) (WI*) (F) P: ART 1906, 1907; or consent of instructor. Art from the first half of the twentieth century.

4942. Survey of Twentieth-Century Modern Art: 1950-2000 (3) (F) (FC:FA) Same as ART 4942 (Non-Art Majors) Formerly ART 4990 P: ART 1906, 1907; or consent of instructor. Art from the second half of the twentieth century.

4944. Studies in Contemporary Art: Post 1960s Art (3) Formerly ART 5981 P: ART 1906, 1907 or consent of instructor. A critical look at the art since the 1960s dealing with the political economy of representation.

4946 Studies in Contemporary Art: Post 1980s Art (3) P: ART 1906, 1907 or consent of instructor. A critical look at the art since the 1980s that has been engaged in representing a political economy.

4948. Art of the United States (3) Formerly ART 5900 P: ART 1906, 1907 or consent of instructor. A critical look at the art in the U.S. from the colonial times to the present.

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.

ART: ART HISTORY COURSES FOR NON-ART MAJORS

1906. Art History Survey (3) (F,S) (FC: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) (FC: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) (FC:FA) For General College student. P: Non-art major. Visual experience to enhance student's understanding and enjoyment of art.

2905. Masterpieces in the Visual Arts and Literature (3) (FC:FA) For General College student. Not open to those who have credit for ART 1907. P: Non-ART major. Comparative study of selected visual and literary works from the Renaissance to modern times.

2906. West and Central African Art (3) (S) (FC:FA) For General College student. Not open to those who have credit for ART 3970 nor to art history minors. 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) (FC: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. Explores cultural impact on the production of art.

4942. Survey of Twentieth-Century Modern Art: 1950 to the Present (3) (F) (FC:FA) Formerly ART 4990. Same as ART 2942 (Art History) P: ART 1906, 1907; or consent of instructor. Art from second half of twentieth century.

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.

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: 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.

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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. In-depth investigation of the figure for exploring various drawing issues.

5551. Advanced Drawing (3) P: ART 4551. In-depth 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.

5316. Fabric Design Studio IX (3) P: ART 5306. Original research in nonstructural textile design.

ART: GRAPHIC DESIGN

2200. Communication Arts Survey (3) (F) 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) (S) 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.

3200. Typography (3) (F) P: Acceptable portfolio review; 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) (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.

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.

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.

Graphic Design students take ART 2200 and 27 s.h. including the following courses: ART 2210, 2220, 3200, 3210, 2230; 4200 or 4210; 5210.

ART: ILLUSTRATION

2230. Illustration Survey (3) (F,S) P: ART 1015, 1030; or consent of instructor. Illustration as a 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.

4230. Intermediate Illustration (3) (F) P: ART 3230 and consent of instructor. Advanced problems in illustration. Emphasis on graphic contexts.

5230. Advanced Illustration (3) (S) 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.

Illustration students take ART 2200, 2210, 2220, 2230, 3200, 3210, 3240; 3551 or 3560 or 3561; 4230, and 5230.

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 and Design faculty in conjunction with another structured program or institution. Strengthens competencies in areas related to programs offered by School of Art and Design.

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 and Design.

5500. Independent Study (3) P: Consent of instructor, curricular coordinator, and dean.

ART: INTERDISCIPLINARY

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.

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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.

3002. Book Arts One (3) P: ART 1015, 1030. Covers basic elements of book construction and design. Emphasis will be on Artist's Books and historical development of book structure.

3004. Book Arts Two (3) P: ART 3002; or consent of instructor. Covers intermediate elements of book construction and conceptual development. Introduction to typographical hand composition and letterpress printing. Emphasis will be on Artist's Books.

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.

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,S) P: ART 2560 or consent of instructor. Comprehensive analysis and use of watercolor and related liquid media in expressive painting.

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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.

ART: PHOTOGRAPHY

2220. Photography Survey (3) (F,S) P: ART 1015, 1030. Basic camera techniques, darkroom procedures, and assignments. Full scope of photographic problems.

3250. Introduction to Digital Photography (3) (F) 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. In-depth exploration in camera work, darkroom techniques, and visual literacy.

3270. Color Photography (3) P: ART 3260; or consent of instructor. Color theory and technique with an emphasis upon the creative use of color in photo-based media.

3280. Problems in Photography (3) P: ART 3260; or consent of instructor. Investigation of contemporary practices in photography and development of a concept-based body of artwork.

4220. Studio Photography (3) (F,S) P: ART 3260 or consent of instructor. In-depth exploration of camera, lighting, studio, and darkroom techniques as means of exploring issues in communications and aesthetics.

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.

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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.

5220. Advanced Photography (3) P: ART 2220. Advanced photographic techniques, sequential problems, animation, and film.

Photography students take ART 2220, 3080, 3250, 3260, 3270, 3280, 4220, 4240, 4250 and 5220.

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) 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.

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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.

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) P for art majors: ART 1015, 1030; P for communication arts students: ART 2220. Video for aesthetic inquiry.

3081. Intermediate Video Art (3) Explores video as expressive medium and builds upon competencies developed in ART 3080.

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.

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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.

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

2940. Eighteenth-Century Art (3)
2950. Culture and Art of Europe (6)
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)
4420. Social and Cultural Perspectives in Design (3)
4421. Seminar in Contemporary Concepts (2)
4450, 4451, 4452. Interdisciplinary Environmental Design Studio (3,3,3)
4460. Urban Design (3)
4461. Comprehensive Environmental Design Studio (3)
5950. Culture and Art of Europe (6)
5960. Culture and Art of Mexico (6)

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

ASEU: AREA STUDIES – EUROPEAN STUDIES

ASEU Banked Courses

3010, 3011. Field Study in Europe (3,3)

ASIA: ASIAN STUDIES

2000. Introduction to Asia (3) Introduces Asian civilizations and cultures, drawing on the disciplines of anthropology, art, geography, history, language and literature, philosophy, and religion.

4000. Asian Studies Senior Seminar (3) P: Consent of instructor. Interdisciplinary capstone course required for minors in Asian studies. Advanced students explore in-depth selected aspects of Asian civilizations and cultures.

ASIP: ADMINISTRATIVE SERVICES AND INFORMATION PROCESSING

1500, 1501. Electronic Information Processing I (3,0) (F,S,SS) 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,SS) May count toward teacher education degrees. May not count toward BS degree programs in the Department of Technology Systems. Knowledge and skills needed to satisfy basic technology competencies required to support and enhance professional productivity, information access, collaboration, and communication among professionals, word processing, spreadsheets, 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,SS) 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,SS) 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,SS) 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,SS) (WI) 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,SS) 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.

3311, 3312. Financial Information Systems II (3,0) (F,S,SS) 3 lecture and 1 lab hours per week. P: ASIP 2311. Automated approach to accounting through use of integrated computer software.

3500, 3501. Electronic Information Processing III (3,0) (F,S,SS) 3 lecture and 1 lab hours per week. P: ASIP 2500 or equivalent. Advanced information processing. Applications of modern-day information processing systems.

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4200, 4201. Microcomputer Business Applications (3,0) (F,S,SS) 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,SS) 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 or screen composition publications.

ASLS: AMERICAN SIGN LANGUAGE STUDIES

2020. Sign Language Studies I (3) (F,S,SS) Introduces 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.

ATEP: ATHLETIC TRAINING EDUCATION PROGRAM

1800. Orientation to Athletic Training (1) (F) P: Admission to candidacy period of athletic training curriculum; C: HLTH 1000 or 1050. Orientation and principles of observation in allied health settings.

2800. Medical Nomenclature for Human Performance (2) (F,S,SS) 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; ATEP 2811; RC: BIOL 2130; EXSS 2850. 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: ATEP 2810; RC: BIOL 2130; EXSS 2850. Fundamental principles. Recognition, evaluation, treatment, rehabilitation, and prevention of athletic injuries. Practical clinical evaluation and prevention taping.

3200. Field Experience in Athletic Training I (1) (F) 1 lecture per week and clinical assignments. P: Current first-aid and CPR certifications and medical malpractice insurance; C: Current participation in the athletic training curriculum; ATEP 3810. Introduction to field experience. Supervised medical coverage of athletic teams.

3201. Basic Rehabilitation Techniques in Athletic Training (2) (S) P: Athletic training major; C: ATEP 3820. Introduces basic principles of therapeutic exercise rehabilitation techniques of athletic injuries.

3250, 3251. Sports Medicine Treatment Modalities (3,0) 2 lecture and 2 lab hours per week. P: ATEP 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, or 2140, or 2150. General pathology associated with medical conditions in sport. Systemic approach to common medical disorders, including clinical proficiencies.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

3271. Clinical Experience in Medicine (1) (F,S,SS) P: Current first-aid and CPR certification required; Proof of ongoing medical malpractice insurance coverage; ATEP 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: ATEP 3250, 3251; or consent of instructor. In-depth study of theory and application of therapeutic rehabilitation of athletic injuries.

3350. Concepts in Pharmacology (3) (F) General knowledge of therapeutic drug classifications, indications, contraindications, regulations, and drug testing in sport.

3400. Clinical Experience in an Equipment Intensive Sport (2) (F,S) 1 lecture per week and clinical assignment to an equipment intensive sport for the semester C: Current participation in the athletic training curriculum; ATEP 3810. Introduces field experience in athletic training, including supervised medical coverage of athletics teams. Current first-aid and CPR certifications and proof of medical malpractice insurance are required for duration of course.

3810. Etiology and Evaluation of the Trunk and Upper Extremity (3) (F) 4 lecture/lab hours per week. P: ATEP 2810; P/C: BIOL 2130; EXSS 2850. In-depth 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: ATEP 2810; P/C: BIOL 2130; EXSS 2850. In-depth 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; ATEP 3810. Practical experience in athletics under supervision of certified athletic trainer. Current CPR and first-aid certifications and proof of medical malpractice insurance required.

4001, 4002. Clinical Experience in Athletic Training (1,2) (F,S,SS) P: Consent of instructor and athletic training major. Individualized program of clinical supervised hours in athletic training. Each can be repeated once.

4300. Field Experience in Athletic Training II (1) (F,S,SS) 1 lecture per week and clinical assignments for the semester P: ATEP 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) (WI) 2 lecture and 2 lab hours per week. P: ATEP 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.

4860. Sports Medicine Practicum II (3) 1 lecture and 15 supervised clinical hours per week. P: ATEP 3820. Practical experience in athletics under supervision of certified athletic trainer. Current CPR and first-aid certifications and proof of medical malpractice insurance required.

BIME: BIOMEDICAL ENGINEERING

3000. Foundations of Biomedical Engineering (3) (F) P: Consent of instructor. Application of fundamental engineering skills to solve problems in medicine and biology. Introduces students to a wide range of state-of-the-art applications in biomedical engineering and promotes understanding of interdisciplinary nature of the field. Topics covered include medical instrumentation and design, biomechanics, biomaterials, mass transport, application of computers in medicine, artificial implants, medical imaging, and medical ethics.

3600. Imaging in Biomedical Engineering (3) (S) 3 lecture hours per week. P: BIME 3000. Basic concepts of medical optics and imaging. Physical mechanisms and instrumentation of imaging modalities. Mathematical and engineering skills to reconstruct and process medical images.

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4030. Biomechanics and Materials (4) (F) 4 lecture hours per week. P: ICEE 3004, 3024. Concepts of statics, dynamics, mechanics of materials, and fluid mechanics applied to biological systems. Characterization of biological materials, including time-dependent properties.

4040. Physiological Systems and Modeling for Engineering (3) (F) 3 lecture hours per week. P: BIME 3000. Introduction to physiology, emphasizing concepts and systems for engineering, including cell signaling, body signaling and control systems. Quantitative introduction to cardiovascular and renal systems. Example of brain-machine interfaces. Survey of other physiological systems.

4200. Biomedical Instrumentation (3) (F) 2 lecture and 2 lab hours per week. P: BIME 4040; ICEE 3050. Examines array of instrumentation and techniques used in acquisition, processing, and presentation of biomedical signals. Topics include transducers, sensors, Fourier analysis, flow measurement, medical imaging, and biosensors. Lab covers amplifiers, bridge circuits, and measurement of physical parameters and electrophysiological signals.

BIOE: BIOPROCESS ENGINEERING

3000. Bioprocess Engineering Systems (3) (S) 3 lecture hours per week. P: BIOL 2110; CHEM 2650, 2651. Engineering concepts for biological conversion of raw materials to food, pharmaceuticals, fuels, and chemicals. Includes enzyme kinetics and technology, bioreaction kinetics, design, analysis, and control of bioreactors and fermenters, and downstream processing of bioreaction products.

4000. Bioprocess Validation and Quality Engineering (4) (F) 4 lecture hours per week. P: MATH 3307; consent of instructor. Overview of bioprocess validation and quality control systems that ensure safe products, reduce the risk of adverse reactions, and avoid recalls. Emphasizes cost effectiveness and level of validation required for different phases of development, license application, and process improvements. Also covers design of experiments in bioprocess applications.

4010. Bioprocess Separation Engineering (3) (WI) (F) 2 lecture hours per week. P: BIOE 3000. Unit operations used in biological processing useful in product isolation and purification. Solid-liquid separation, filtration, centrifugation, cell disruption, isolation, purification, chromatography and drying.

4020. Bioprocess Plant Design, Simulation and Analysis (3) (WI) (S) 3 lecture hours per week. P: BIOE 4010; MATH 3307. Engineering principles for design of systems for processing biological materials into primary and secondary products and study of techniques for mathematically describing biological systems. Covers delivery scheduling, storage requirements, economic analysis, process control and instrumentation of bioprocess plants.

BIOL: BIOLOGY

1010. Biodiversity of Coastal North Carolina (3) (F,S) Survey of major terrestrial and aquatic ecosystems from the coastal plain to the continental shelf, with emphasis on their flora and fauna. Self-guided coastal plain trip required to one of several nature centers or museums at student's expense.

1030. Plants and Human Affairs (3) (F,S) (FC: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) (FC: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) (FC: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) (FC: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.

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1061. Environmental Biology Laboratory (1) (F,S) (FC: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) (FC: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 and Laboratory I (3,1) (F,S,SS) (FC:SC) 3 lecture and 3 lab hours per week. P/C for 1101: BIOL 1100. Molecular biology, bioenergetics, cellular structure, and physiology. Molecular basis of inheritance and control of gene expression.

1200, 1201. Principles of Biology and Laboratory II (3,1) (F,S,SS) (FC:SC) 3 lecture and 3 lab hours per week. P/C for 1201: BIOL 1200. 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) (FC:SC) Same as ANTH 2015 May count toward foundations curriculum science requirement for all except ANTH majors. May not count toward foundations curriculum 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) (FC:SC) Same as ANTH 2016 May count toward foundations curriculum science requirement for all except ANTH majors. May not count toward foundations curriculum social sciences requirement. C: BIOL 2015. Human and population genetics, anthropometry, anthroposcopy, dermatoglyphics, blood pressure, blood typing, osteometry, primate taxonomy, and human evolution.

2100, 2101. Basic Laboratory Methods for Biotechnology (3,0) (F,SS) Formerly BIOL 3100, 3101 1 lecture and 4 laboratory hours per week. P: BIOL 1100, 1101; MATH 1065, 1 semester of CHEM with lab. Practical basic training in laboratory techniques generally applicable to molecular and cell biology, genetics, biochemistry, microbiology and forensics.

2110, 2111. Fundamentals of Microbiology and Laboratory (3,1) (F,S) 3 lectures and 2 2-hour labs per week. May not count toward BIOL major or minor. P for 2110: BIOL 1050, 1051; or 1100, 1101; or equivalent; 8 s.h. in CHEM. P/C for 2111: BIOL 2110. 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) (FC: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) (FC: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 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.

2141, 2151. Human Physiology and Anatomy Laboratory (1,1) 3 lab hours per week. 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.

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2800. Biological Instruction (2) (F, S) 1 lecture and 3 lab hours per week. Open to biology or biochemistry majors by invitation only. P: BIOL 1100, 1101, 1200, 1201; or consent of instructor. Instruction and supervised experience in methods and practice of teaching introductory biology.

3070, 3071. Survey of Plants and Fungi (4,0) P: 3 s.h. of science with a lab. Plants and fungi with emphasis on evolutionary patterns in structure, reproduction, and ecological function.

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; C for 3230: 3231; C for 3231: 3230. 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 biochemistry 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. Introduces 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) 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.

3740, 3741. Animal Behavior (4,0) (WI) (F) 3 lecture and 2 discussion hours per week. P: BIOL 1100, 1200; RP: BIOL 2250. Introduction to animal behavior with emphasis on experimental approaches. Topics include evolution and development of behavior, neural mechanisms, instinct, communication, foraging and reproductive behavior, and sociobiology.

4040. Human Genetics (3) P: BIOL 2300. Concepts of Mendelian and molecular genetics as applied to inheritance of human genetic disorders.

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.

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4071. Human Gross Anatomy (4) 3 conference/demonstration and 3 lab hours per week. May not count toward foundations curriculum science requirement. P: BIOL 4050, 4051; or consent of instructor. Dissection-based regional study of human cadaver.

4150. Pestilence, Politics and Conquest (3) (S) P: BIOL 1050 or 1100 or consent of instructor. Pathology of infectious diseases and the impact that they had, or may have, on world events, past, present and future.

4170. Immunology I (3) (F) P: BIOL 2300, or consent of instructor. Structure, function, and genetic organization of body's defense system. Interactions of immunocompetent cells and their role in infection, disease, and autoimmunity.

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.

4210. Phylogenetic Theory (3) (F) P: BIOL 2250, 2251, 2300. Theory and practice of modern phylogenetic methods. Topics include basic evolutionary concepts, reconstructing evolutionary relationships using molecular and other data, and statistical methods for assessing reliability of phylogenetic analyses. Emphasis on hands-on experience with phylogenetic computer programs.

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.

4230. Concepts in Cell Biology (3) (S) P: BIOL 3310. Basic concepts of cell biology, including control of gene expression, DNA repair, programmed cell death, cell communication.

4240. Genome Evolution (3) (S) P: BIOL 2300 or consent of instructor. Recent advances in comparative genomics, focusing on the evolution of more complex eukaryotic genomes. Course includes lectures and seminar discussions of current research publications.

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.

4320. Ecological Responses to Global Climate Change (3) (S) P: BIOL 2250, 2251. Theory and practical examination of effects of climate change. Predicted and present environmental influences on ecosystems, communities, populations and organisms.

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.

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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.

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 (4,0) 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.

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. Introduces 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. Introduces 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.

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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

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. Considers mechanisms involved, and invertebrate, vertebrate, aquatic, and terrestrial animals.

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 Biology of the Gene (3) P: BIOL 2300. 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 2100, 2101; 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 2100, 2101, 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.

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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)
4999. Senior Topics (1)
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)

BIOS: BIOSTATISTICS

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.

4900. Biostatistics Honors (3) P: Consent of instructor. Special topics appropriate to the needs of the student, arranged with the approval of the instructor.

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.

BUSI: BUSINESS

1200. Strategy First (3) (F,S,SS) Investigation of the factors that contribute to a firm's ability to survive long-term in a competitive environment.

2200. Leadership I: Interpersonal and Teamwork Skills (3) (F,S) P/C: BUSI 1200. Survey and application of interpersonal and teamwork skills related to effective business leadership.

3200. Leadership II: Professional Development Skills (2) (F,S) P/C: BUSI 2200. Survey and application of professional development skills necessary for effective business leadership.

4001, 4002, 4003. Internship in Business (1,2,3) (F,S,SS) P: Consent of instructor. May be repeated for maximum of 6 s.h. Part-time experience under the supervision of a business owner, manager, or business professional. Students are limited to 3 hours of internship in any one semester.

4200. Leadership III: Leadership Capstone (1) (F,S) P: BUSI 3200; senior standing; declared major in College of Business. Synthesis and application of business leadership skills.

BVTE: BUSINESS AND INFORMATION TECHNOLOGIES EDUCATION

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. Introduces teaching of business, marketing, and family and consumer sciences education.

3200. Distribution Technology I: Merchandising (3) (F,S,SS) Basic business and merchandising procedures. Emphasis on store operations, merchandising math, pricing, strategies, and inventory procedures.

3301. Distribution Technology II: Promotion (3) (F,S,SS) P: ECON 2113. Technical promotional problems of concern to distribution supervisory personnel.

3302. Distribution Technology III: Selling (3) (F,S,SS) 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,S) P: Admission to upper division; P/C: PSYC 4305 or consent of instructor. 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 career and technical 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,SS) Credit management, consumer economics, personal finance, money and banking, risk management, and small business management.

4400. Administration and Supervision of Career and Technical Education (3) (S,SS) Organization, administration, and supervision of workforce preparedness education programs. Topics include history of career and technical education programs, school-to-work transition programs, management of youth organizations, and career and technical education 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) (F,S,SS) May be repeated for credit with change of topic. Problem areas of major concern in information technologies, business education, or marketing education.

5500. Independent Study in Career and Technical Education (3) (F,S,SS) P: Senior or graduate standing. Independent study, research, and investigation in career and technical education.

5503. Integrating Information Processing Technology into Career and Technical Education (3) (F,S,SS) P for undergraduate students: Senior or graduate standing; consent of dept chair. Integration of information processing technology into career and technical education curricula.

CDFR: CHILD DEVELOPMENT AND FAMILY RELATIONS

1103. Marriage and Family Relations (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.

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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: Intended child life major. Overview of the field of child life.

2123. Early Experience in Birth through Kindergarten 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. Introduces birth-kindergarten teaching.

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, S) May not count toward CDFR minor. Examines various careers and opportunities to work with children and families from three theoretical perspectives: ecological systems, family systems, and lifespan development.

2400. Introduction to Gerontology (3) (F,S,SS) (FC:SO) Same as GERO 2400; SOCW 2400 May count toward foundations curriculum 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.

3210. Models and Foundations of Early Childhood Education (3) (S) P: CDFR major. Explores philosophies and practices associated with different models of early childhood education.

3215. The Family As Consumers (3) (S) P: CDFR 1103. Comprehensive study of family financial resources and their management with application for consumer decision-making skills and advocacy.

3306. Guiding Children's Behavior (3) (F,S,SS) P: CDFR 2000. Roles and responsibilities of parents and teachers in guiding children's behavior. Review of theory and research addressing appropriate practices and methods of modifying children's behavior.

3290. Theory and Practice in Family and Community Services (3) (F, S) P: CDFR 2280; FCS major. Examination of theories and applications of professional skills for working within family and community agencies.

3400. Current Issues in Early Childhood Education (3) (SS) P: CDFR 3150. May be repeated for credit with change of topic up to 6 s.h. Current topics and issues related to child development and early childhood education.

3413. The Hospitalized Child (3) (WI) (F) P: Child life major; CDFR 2000, 2001, 2021. Recognizing psychosocial needs of children and families in healthcare settings. Techniques to promote positive coping skills of children and families in stressful situations.

4000. Introduction to Child and Family Research (3) (F,S) P: FCS major; foundations curriculum math requirement. Introduction to the basic elements of scientific thought and the stages of the quantitative research process employed in child and family studies.

4001. Community Services Internship (8) (WI) (F,S) Minimum of 310 hours to include labs and classroom work. P: Senior standing; FCS major; CDFR 4366; 2.25 GPA; C: CDFR 4410. Observe and participate in community agency.

4200. Developmental and Educational Assessment of Young Children (3) (WI) (S) Requires practicum experience. P: CDFR 3150. Issues and applications in early intervention and education of children birth through kindergarten, including formal and informal assessment methods and instruments.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

4210. Child Life Practicum (3) (F,S,SS) 1 conference and 8 participation hours per week. P: Child Life major; CDFR 3413. Practical experiences in child life programming and care for children with medical or other special needs.

4300. Birth through Kindergarten Curriculum Adaptations for Diverse Learners (3) (S) Practicum experience required. P: CDFR 3150. Application of recommended practices, structuring appropriate learning environments, adapting curricula, and planning activities for all young children from birth through kindergarten.

4303. Families and Cultural Diversity (3) (F,S) P: CDFR 1103. Comprehensive study of family diversity that occurs because of different cultural environments. Explores racial, ethnic, and economic differences. Emphasis on developing an understanding and appreciation for families with differing values and beliefs.

4313. Trends and Issues in Family Studies (3) (F,S,SS) P: CDFR 1103. Review and critique scholarly literature related to marriage and family relationships. Contemporary trends and issues that impact marriage and families will be explored.

4320. Practicum in Teaching Birth-Kindergarten in the Public Schools (1) (F,S) Taken simultaneously with Senior I 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) (S) Requires practicum experience. P: CDFR 3150. 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) (F,S) Practicum experience required. P: CDFR 3150. Applies principles of child development and preschool education in designing appropriate learning environments and curricula for children ages three to five years.

4323. Kindergarten Curriculum (3) (F) Requires practicum experience. P: Admission to upper division; CDFR 3150. Application of principles of child development and early childhood education with an emphasis on beginning reading, writing, and mathematics concepts.

4324. Internship in Birth Through Kindergarten Education (10) (F,S) Full-time, semester-long internship. P: Admission to upper division; CDFR 3306, 4300, 4321, 4322, 4323, 4406; professional studies courses; CDFR 4303 or ELEM 3275; 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,S) 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) (F,S) P: Junior or senior standing; FCS major; CDFR 3290; P/C: CDFR 4000. 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) Practicum experience required. P: CDFR 4200. Collaboration between families and professionals. Emphasis on strategies, skills, and resources needed to facilitate development of young children.

4408. Administration of Programs for Young Children (3) (F) P: CDFR 4322. Planning, organizing, and administering programs for young children ages birth through five years.

4410. Professional Seminar (1) (WI) (F,S) P: Senior standing; FCS major; CDFR 4366; 2.25 GPA; C: CDFR 4001. Develop professional practices. Topics vary.

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4411. Professional Internship (3) (F,S) C: CDFR 4410. Minimum of 125 hours of directed work experience involving application of family life education. Topics vary.

4415. Child Life Internship (12) (F,S,SS) 480 minimum total hours. P: Child Life major; CDFR 4210, 4996, 4997. Specialized child life experience with children and families in a healthcare setting, under supervision of certified child life specialist.

4500. Independent Study (3) (F,S,SS) May be repeated for credit with change of topic up to 9 s.h. Current issues and problems related to children and families.

4521. Directed Readings (1) (F,S,SS) May be repeated for credit with change of topic up to 4 s.h. Independent study of current topics in child development and family relations.

4996, 4997. Child-Family Internship and Laboratory (3,0) (F,S) 1 conference and 8 lab hours per week. P: CDFR 2000, 3002; 4321, or 4322. Supervised practicum experience in program serving children and/or families. Variable titles and content.

5007. Public Policy and Legal Issues Affecting Families (3) (S) P: CDFR major; junior or senior standing or admission to CDFR graduate program. Current public policy and legal issues facing professionals who work with children and families.

5300. Families, Sexuality, and Gender Roles (3) (F,S) P: CDFR 1103; and junior or senior standing or admission to CDFR graduate program. Biological, cognitive, social, emotional, and cultural influences on human sexuality and gender roles within the context of relationships and families.

5403. Parent Education (3) (S) P: Senior standing; CDFR 1103; 2000 or 2001; 3002, 3306; and junior or senior standing or admission to CDFR graduate program. Strategies, skills, and resources to assist parents and professionals who work directly with them.

5411. Counseling Elders and Their Families (3) (SS:OY) P: GERO 2400 or admission to CDFR graduate program. Interventions for age-related problem behaviors in social and family systems of elderly.

5412. Family Crises and Resources (3) (S) P: CDFR 1103; senior standing or admission to CDFR graduate program. 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) (F) P: CDFR major or admission to CDFR graduate program. Selected family intervention and skill development models with opportunity for in-depth study of individual theoretical approach.

5903. Readings in Aging Studies (3) Same as GERO 5903; SOCW 5903 May count maximum of 3 s.h. toward the baccalaureate minor in gerontology or graduate certificate in gerontology. P: Junior or senior standing or admission to CDFR graduate program. 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: CDFR major, senior standing; P for graduate students: Admission to CDFR graduate program. Advanced internship experiences with preschool children and their parents.

CDFR Banked Courses

3100. Resource Management for the Elderly (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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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

CHE: COLLEGE OF HUMAN ECOLOGY

2126. Consumer Affairs (3) Decision making, consumption patterns, and trends of marketplace consumer. Consumer information and protection.

3990, 3991, 3992. Field Experience in Human Ecology (1,1,1) (F,S,SS) Supervised professional work experience. May not be substituted for other required internships. P: CHE major or minor; minimum cumulative 2.0 GPA; minimum 2.5 GPA in CHE; 6 s.h. in applicable human ecology 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, interior design, criminal justice, and/or social work.

4521. Readings in Human Ecology (1) (F,S,SS) Independent study in areas of student's interests.

5005, 5006, 5007. Special Problems in Human Ecology (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 ecology.

CHE Banked Courses

3999. Issues in Human Ecology (3)

4999. Professional Development in Human Ecology (3)

CHEM: CHEMISTRY

0150. Preparation for College Chemistry (2) (F,S,SS) 3 lectures per week. May not count toward foundations curriculum 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) (FC:SC) May not count toward foundations curriculum science requirement for science majors. General chemistry for nonscience majors.

1021. General Descriptive Chemistry Laboratory (1) (F,S) (FC:SC) 3 lab hours per week. Chemistry lab for nonscience majors. P/C: CHEM 1020. Lab experiences illustrate fundamental chemical principles and relevance of chemistry in modern world. Topics include chemical measurements, acids, synthesis and purification of biochemical substances and DNA fingerprinting.

1120. Basic General, Organic, and Biochemistry I (4) (F,S,SS) (FC:SC) May not count toward foundations curriculum science requirement for science majors. General, organic, and biochemistry and chemical applications in health professions.

1121. Basic General, Organic, and Biochemistry Laboratory I (1) (F,S) (FC:SC) 3 lab hours per week. C: CHEM 1120. Introduces lab techniques in general, organic, and biochemistry.

1130. Basic General, Organic, and Biochemistry II (3) (F,S,SS) (FC:SC) May not count toward foundations curriculum science requirement for science majors. P: CHEM 1120. Continuation of CHEM 1120.

1131. Basic General, Organic, and Biochemistry Laboratory II (1) (F,S,SS) (FC: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) (FC: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.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

1160, 1161. General Chemistry and Laboratory II (3,1) (F,S,SS) (FC: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, and electrochemistry. Introduces organic, nuclear, and coordination chemistry.

1500. Materials Chemistry I (3) (S) Chemistry of elements and compounds, atomic structure, molecular geometry and intermolecular forces and their effect on the design and uses of materials. May not count toward chemistry major.

1510, 1511. Materials Chemistry II and Laboratory (1,1) (F) 1 hour lecture and 3 hours lab per week. P: CHEM 1500; C for CHEM 1510: CHEM 1511; C for CHEM 1511: CHEM 1510. Continuation of CHEM 1500. Chemistry of elements and compounds, equilibrium, thermodynamics and kinetics and their effect on the design and uses of materials. Lab experience demonstrates chemical properties of materials. May not count toward chemistry major.

2103. Introduction to Chemical Literature (1) (WI) (F,S) P: CHEM 2750. Introduces methods used to search and access chemical literature. Development of technical writing skills.

2111. Applications of Molecular Modeling (1) (F,S) (FC:SC) P/C: CHEM 2750. Applies molecular modeling 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.

2301. Teaching Laboratory Chemistry (2,0) (WI) (F,S) 1 lecture and 3 lab hours per week. P: Grade of B or higher in CHEM 1160 and CHEM 1161 or permission of instructor. Instruction and supervised experience in methods and practice of teaching introductory chemistry lab.

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) (FC:SC) P: CHEM 2650 or 2760. Chemistry and intermediary metabolism of proteins, carbohydrates, lipids, and nucleic acids.

2771. Biological Chemistry Laboratory (1) (F,S) (FC:SC) 3 lab hours per week. C: CHEM 2770. Applies chemical lab techniques to study of proteins, carbohydrates, lipids, and nucleic acids.

3301. Practicum in Teaching (1) (F,S) 3 lab hours per week. May be repeated for credit. May count maximum of 4 s.h. toward CHEM major. P: CHEM 2301 and consent of instructor. Supervised practicum in teaching introductory chemistry lab.

3450. Elementary Inorganic Chemistry (3) (WI) (S) P: CHEM 2250, 2251; C: CHEM 3451. Survey of fundamental concepts and theories of inorganic chemistry, periodicity, descriptive chemistry of selected main group elements and transition metals, and their role in organometallic, bioinorganic, and industrial chemistry.

(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

3451. Elementary Inorganic Chemistry Laboratory (1) (WI) (F,S) P: CHEM 2250, 2251; C: CHEM 3450 or 5550. Inorganic laboratory techniques, physical methods, and the synthesis and characterization of inorganic and organometallic compounds.

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 foundations curriculum 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 limited mathematical background.

3950, 3951. Physical Chemistry and Laboratory I (4,1) (WI, WI) (S) 4 lecture and 3 lab hours per week. P: CHEM 2250, 2251; MATH 2173; PHYS 1261, 2360; 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; CHEM 2103. Discuss contemporary topics in chemistry, instruction on technical presentations, and submission of written and oral reports on approved topics. Requires attendance at selected departmental seminars.

4505, 4506, 4507. Independent Study (1,2,3) (F,S,SS) May be repeated for credit. May count a maximum of 3 s.h. toward CHEM major. 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 faculty member.

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 (4) (F) P: CHEM 3950; C: CHEM 3451 (for BS chemistry majors only). Advanced treatment of atomic and molecular structure, molecular symmetry, group theory, MO theory, the solid state and ionic bonding, transition metal coordination and organometallic compounds, homogeneous catalysis, and acid-base, redox, and bioinorganic 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. Applies 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.

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CHEM Banked Courses

1163. Introduction to Computer Techniques in Experimental Chemistry (1)
3860, 3861. Introduction to Instrument-Computer Interfacing (2,1)
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

1001. Chinese Level I (3) Formerly CHIN 2000 Lab work. Intensive training in basic skills of understanding, speaking, reading, and writing Mandarin Chinese.

1002. Chinese Level II (3) Formerly CHIN 2001 Lab work. P: CHIN 1001 or placement by Chinese placement test. Continued intensive training in basic skills of understanding, speaking, reading, and writing Mandarin Chinese. Second of a two-course sequence.

CLAS: CLASSICAL STUDIES

1300. Greek and Latin for Vocabulary Building (3) (S) (FC: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) (WI*) (FC: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) (FC: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) (FC: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 include major works of literature from both cultures.

2220. Great Works of Ancient Literature I: Greece (3) (FC: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) (FC: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) (FC:HU) Status and daily life of women in ancient Greece and Rome, attitudes expressed toward them, and their roles in art, archaeology, and literature of ancient world through contemporary approach.

2500. Greek Tragedy in Translation (3) (FC:HU) Selection of tragedies of Aeschylus, Sophocles, and Euripides in translation.

2600. The Power of Images in Ancient Greece and Rome (3) (FC:HU) Monuments and material culture of Greece and Rome, their philosophical and literary background, and the political purposes to which they were put.

3400. The Ancient City: Rome (3) (F,S) (FC: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) (FC: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.

(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

3460. Classical Mythology (3) (FC:HU) Same as ENGL 3460 Major myths of ancient Greece and Rome and their impact on English and American literature.

3600. Greek and Roman Religions (3) (FC:HU) Same as RELI 3600 Religious ideas, practices, and beliefs from prehistoric Crete to the Roman empire in the time of Plotinus (250 AD), including eastern cults of Isis and Mithras, Judaism and Christianity.

3700. Selected Topics in Classical Studies (3) May be repeated for a maximum of 6 s.h. with change of topic. Selected topics relating to literature, culture, or civilization of the ancient Mediterranean world.

4000. Seminar in Classics (3) (WI) (S) Interdisciplinary seminar in classics on various topics to be chosen by instructors and students.

4521, 4522, 4523. Directed Readings in Classics in Translation (1,2,3) (FC: HU) May be repeated once with a change of topic for a maximum of 6 s.h. P: Consent of instructor. In-depth exploration of selected aspects of classical civilization in translation.

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) 3 lecture and 3 lab hours per week. Formation and morphology of cellular elements of blood and hematologic findings in normal blood samples. Normal hemostasis, hemostatic disorders, and lab evaluation and monitoring of hemostasis. Lab covers manual hematologic analyses, peripheral blood and bone marrow smear evaluations from normal samples, and samples or coagulation tests.

3420, 3421. Hematology II Lecture and Laboratory (3,1) (S) 3 lecture and 3 lab hours per week. P: CLSC 3410, 3411. Hematologic findings in anemias, various types of infections, storage diseases, leukemias and myeloproliferative disorders, myelodysplatic syndromes, plasma cell diseases, and lymphomas. Overview of hematology instrumentation.

3430. Clinical Immunology (2) (F) 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) 2 lecture and 3 lab hours per week. P: CLSC 3430. Introduces 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) May be taken multiple times for credit. 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) 2 lecture and 3 lab hours per week. P: 4 CHEM courses; 1 statistics course; consent of instructor. Applies basic principles of analytical and biochemistry to measurement of chemical constituents in body fluids.

4440, 4441. Clinical Chemistry II (4,2) (S) 4 lecture and 6 lab hours per week. P: CLSC 4430, 4431; or consent of instructor. Applies basic principles of analytical and biochemistry to analysis of chemical constituents in body fluids and relationship to disease states.

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4460, 4461. Clinical Microbiology I (4,2) (F) 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) 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) 2 lecture and 3 lab hours per week. P: CLSC 4470, 4471; or consent of instructor. Essentials of clinical parasitology.

4491. Molecular Diagnostics in Clinical Laboratory Science I (1) (F) 1 lecture hour per week. P: Consent of instructor. Introduction to the theory used in the clinical laboratory for molecular diagnosis and management of human disease.

4492. Molecular Diagnostics in Clinical Laboratory Science II (1) (S) 1 lecture hour per week for 7 weeks and 3 lab hours per week for 7 weeks. P: CLSC 4491, consent of instructor. Specific genetic alterations found in various diseases and disorders along with experience performing selected testing methodologies used for molecular diagnostics in the clinical laboratory.

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.

4772. Clinical Project: Hematology (4) (F,S,SS) May include clinical experiences, literature review, and/or lab testing. P: CLSC major; consent of dept chair. Individualized clinical project from topic area in hematology or hemostaasis under direction of CLSC faculty member.

4773. Clinical Project: Chemistry (4) (F,S,SS) May include clinical experiences, literature review, and/or lab testing. P: CLSC major; consent of dept chair. Individualized clinical project from topic area in clinical chemistry under direction of CLSC faculty member.

4774. Clinical Project: Blood Bank (4) (F,S,SS) May include clinical experiences, literature review, and/or lab testing. P: CLSC major; consent of dept chair. Individualized clinical project from topic area in blood bank (immunohematology) under direction of CLSC faculty member.

4777. Clinical Project: Microbiology (4) (F,S,SS) May include clinical experiences, literature review, and/or lab testing. P: CLSC major; consent of dept chair. Individualized clinical project from topic area in clinical microbiology. May include clinical parasitology or clinical mycology under direction of CLSC faculty member.

4801. Professional Practice Issues I (3) (WI) (F) 3 lecture hours per week. P: CLSC major. Professional issues related to current practice in clinical lab science inculding basic research design and statistics, human rights protection in research, basic epidemiology and infection control monitoring, and educational methodology, all applied to clinical and continuing education in clinical lab science.

4802. Professional Practice Issues II (4) (WI) (S) 4 lecture hours per week. P: CLSC major. Professional issues related to current practice in clinical lab science including management theories and practices, fiscal management, personnel administration, and legal and ethical issues, all as related to practice as a clinical lab supervisor or manager, as well as completion of senior research project.

4803. Introduction to Clinical Laboratory Information Systems (2) (S) 2 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.

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

2200. Introduction to the Construction Industry (3) (F) History of construction management. Role of construction within residential, commercial, and heavy industries.

2210, 2211. Construction and Civil Materials (3,0) (F,S) 2 lecture and 2 lab hours per week. P: Minimum overall GPA of 2.0; majors or minors only; P/C: MATH 1065 or 1066. Introduction to construction materials with an emphasis on the physical characteristics, properties, and significance of the materials to the industry.

2660, 2661. Structural Materials, Systems and Codes (3,0) (F,S,SS) 2 lecture and 2 lab hours per week. P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2210. Selection criteria and graphical interpretation of concrete, steel, masonry and wood used in foundation, substructure, and super-structure of residential and commercial buildings. Considers performance, maintainability and cost/benefit aspects. Introduces major building codes, materials and industry standards, and utilization of manufacturers' catalogs.

2664, 2665. Interior and Exterior Finishes and Systems (3,0) (F,S,SS) 2 lecture and 2 lab hours per week. P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2660. Selection criteria and graphical interpretation of common interior and exterior finish systems, exterior cladding, roofing, and interior systems of buildings. Considers aesthetics, performance, code requirements, maintainability, and cost/benefit aspects.

2800. Foundations of Construction (3) (F,S,SS) 2 lecture and 2 lab hours per week. P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 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.

3100. Construction Plans and Analysis (3) (F,S) 2 lecture and 2 lab hours per week. P: Minimum overall GPA of 2.0; CMGT 2800; P/C: CMGT 2664, 2665. Practical exercises in reading and evaluating plans for construction projects to discern project design, construction materials, and construction placement techniques. Emphasis on understanding graphic communication methods.

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3660. Structural Analysis (3) (F,S) P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2664; MATH 1074 or 1075 or equivalent; PHYS 1250, 1251. Introduces 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, 3663. Mechanical and Electrical Construction (3,0) (F,S) 2 lecture and 2 lab hours per week. P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 3664. Study of mechanical, electrical, and plumbing systems, applicable codes, and effect on the construction process. Emphasis on air conditioning, heating, plumbing, fire protection, electrical power and lighting, and control systems with coordination to construction documents.

3664. Construction Contracts and Specifications (3) (F,S) P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 2664; 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) 2 lecture and 3 lab hours per week. P: Minimum overall GPA of 2.0; CMGT 3100; MATH 1074 or 1075 or equivalent. 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: Minimum overall GPA of 2.0; 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 overall GPA of 2.0; minimum grade of C in CMGT 2664; GEOL 1500, 1501; MATH 1074 or 1075 or equivalent; PHYS 1250, 1251. Fundamentals of soil mechanics as related to soil classification and construction of earthwork and foundations.

4501. Laboratory Problems: Construction Management (3) 6 lab hours per week. P: Minimum overall GPA of 2.0; 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: Minimum overall GPA of 2.0; 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) P: Minimum overall GPA of 2.0; consent of dept chair. Develop and submit business and management documents that pertain to varied aspects of construction.

4506. Laboratory Problems: Woods Processing Technology (3) 6 lab hours per week. P: Minimum overall GPA of 2.0; consent of dept chair. Selected concepts and processes in woods processing technology.

4600, 4601. Managing Construction Quality (3,0) (WI) (F,S) 2 lecture and 2 lab hours per week. P: Minimum overall GPA of 2.0; CMGT 3662; ITEC 3290; P/C: CMGT 4662. Quality management and assurance techniques relevant to develop a Quality Management System incorporating productivity, documentation, and quality control. Identify tests, inspections, and quality control methods as specified by construction documents and regulatory criteria.

4660. Construction Estimating (3) (F,S) P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 3664; P/C: CMGT 3660. Procedures to quantify materials, labor, and equipment for construction. Emphasis on classification of work, quantity survey techniques, cost estimating, and understanding of schedule of values with coordination to construction documents.

4662. Construction Planning and Scheduling (3) (F,S) P: Minimum overall GPA of 2.0; minimum grade of C in CMGT 4660. Applies planning and scheduling techniques construction projects. Emphasis on bar charts, critical path method (CPM), cost allocation, schedule updating, cash flow, and resource scheduling with coordination to construction documents.

(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

4664. Construction Management Capstone (3) (F,S) P: Minimum overall GPA of 2.0; CMGT 4600; minimum grade of C in CMGT 4662. Integrates all aspects of the construction management process. Employ knowledge and techniques acquired in the construction management program to manage a construction project. Emphasis on team interactions, project management, decision making, and problem solving utilizing current construction documents.

4666. Equipment Management (3) (F,S) P: Minimum overall GPA of 2.0; CMGT 3660, 3766. Productivity, performance, and maintenance requirements of construction equipment.

4668. Human Side of Project Management (3) (F,S) P: Minimum overall GPA of 2.0; MGMT 3202; minimum earned credit hours equal to 110 s.h. Developing group and individual relationships among construction personnel to comply with laws and regulations governing human element in construction project process.

4699. Construction Work Experience and Professional Development (1) (F,S) Formerly CMGT 3000. P: Minimum overall GPA of 2.0; completed senior summary; applied to graduate; P/C: CMGT 4664; graduating semester. Required of all construction management students. Minimum of 500 documented hours of construction work with state licensed general contractor, subcontractor, construction management company, or other approved employment. Students must pay a fee and sit for the American Institute of Constructors Level I Certification exam during the last semester (F,S) before graduating.

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

2242. Engineering Economics (3)
3101. Construction Plans and Analysis Lab (0)
3278. Hydraulics (3)
4266. Route Surveying (4)

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 Advisors (2) (F,S) P: Consent of dept chair. Training to become effective resident advisors.

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.

2150, 2151. Boating Skills and Seamanship (1,1) C for 2150: COAS 2151; C for 2151: COAS 2150. Knowledge and skills needed to safely use a small boat, following the United States Coast Guard Auxiliary standards.

4000. Scientific Diving and Underwater Research Techniques (3) (F, S) P: Basic SCUBA certification (or equivalent) and consent of instructor. Fundamentals of scientific diving, including the use of Nitrox, specialized diving equipment, emergency procedures, sampling techniques, and the history and policies related to scientific diving. Fee required.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

4001. Scientific Diving and Underwater Research Techniques Lab (1) (S) 2 pool hours per week. P: Basic SCUBA certification (or equivalent) and consent of instructor. P/C: COAS 4000. Required confined water training for scientific diver certification.

4002. Scientific Diver Qualification (1) (SS) P: Basic SCUBA certification (or equivalent), COAS 4000, 4001 (or equivalent), and consent of instructor. Required openwater training for scientific diver certification. Successful completion of this qualification, associated course, and lab may be used to meet American Academy of Underwater Sciences (AAUS) and ECU scientific diver certification requirements.

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

2125. Survey of the Coastal Marine Environment (2)

5025, 5026. Man and the Sea Seminar (1,1)

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) (FC: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 foundations curriculum 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. 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.

2103. Multimedia Messages for Communication Professionals (3) Formerly COMM 2003 2 lecture and 1 lab hours per week. May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. Writing used by print, broadcast, and online 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 major or minor or consent of instructor; COMM 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 major or minor or consent of instructor; 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 major or minor or consent of instructor; COMM 2210. Basic video production techniques and equipment.

2230. Announcing (3) (F,S,SS) Formerly EMST 2610 P: COMM major or minor or consent of instructor. Development of applied speaking skills necessary for professional announcing employment.

2250. Classic Documentaries, 1900-2000 (3) May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. 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.

2260. Image Theory and Aesthetics (3) P: COMM major or minor or consent of instructor. Exploration of the principles of media aesthetics (e.g. light, space, time-motion, and sound) across various genres of media production.

2320. Basic Reporting (3) (WI) (F,S) Formerly COMM 2200; EMST 2510 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. 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) (FC: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) (FC: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. Videography and Lighting (3) P: COMM major or consent of instructor; COMM 2220, 2260; C: 3250. Intensive focus upon the craft and aesthetics of videography and lighting design and execution for location and studio-based settings.

3061, 3062, 3063, 3064. Special Topics (1,2,3,4) Formerly EMST 3901, 3902, 3903, 3904 May be repeated for maximum of 6 s.h. credit. P: COMM major or minor or 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 foundations curriculum social sciences requirement. P: COMM 2103; consent of instructor. Independent practical work in multimedia production with faculty supervision.

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3110. Persuasion Theories (3) (S) Formerly COMM 3010 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. Persuasion as communication process. Differing aspects of source, channel(s), and receiver(s). Emphasis on contributions from behavioral theorists.

3120. Public Relations Theory (3) (F,S) Formerly COMM 3440 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. Communication variables which influence quality of group communication. Group processes used for information exchange, problem solving, and decision making.

3151. Family Communication (3) May not count toward foundations curriculum social sciences credit. P: COMM major or minor or consent of instructor. Family members co-construct meanings about their world in the unique communication environment of the family. In this setting, interpersonal and mass mediated communication converge about topics that impact the daily life of family members.

3152. Interpersonal Communication Theory (3) (F) (FC:SO) Formerly COMM 3050 P: COMM major or minor or consent of instructor. 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. 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) (FC:SO) Formerly COMM 3615 P: COMM major or minor or consent of instructor. Effects of mass media on individuals, societies, and cultures.

3180. Intercultural Communication (3) Formerly COMM 3080 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. 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 major or minor or consent of instructor; 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 News Production (3) P: COMM major or consent of instructor. Electronic news gathering for television journalists; writing, video field production, and video editing of television news packages.

3235. Advanced Writing for Media (3) P: COMM major or consent of instructor; COMM 2210. Writing professional series or feature length and short form narrative scripts.

3242. Advanced Studio Production (3) May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. Creative and technical skills and theoretical framework needed in studio production environment.

3250. Video Post Production Techniques (3) May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 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 major or minor or consent of instructor; COMM 3250. Advanced elements of video production.

(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

3280. Video Magazine Practicum (3) Formerly COMM 3270 1 lecture and 6 lab hours (to be arranged) per week. May not count toward foundations curriculum social sciences requirement. May be repeated for maximum of 6 s.h. credit. 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 major or minor or 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; COMM 2320. Basic course in editing and layout of variety of publications.

3311. Business and Economic Reporting (3) (WI) Formerly COMM 3211 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; COMM 2320. Communication students write about business and economic events.

3320. Advanced Reporting (3) (WI) (F,S) Formerly COMM 3210; EMST 3510 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; COMM 3320. Advanced news gathering techniques for journalists. Online database searching and off-campus trips that encourage in-depth reporting.

3322. Computer Assisted Reporting (3) (WI) (F,S) May not count toward foundations curriculum social sciences credit. P: COMM major or minor or consent of instructor; COMM 2320. Principles and techniques of precision journalism. Topics include use of data analysis tools (e.g.: Excell, Access, SPSS, Arc View), FOI/Open Records laws, practical data analysis, and statistical methods for journalism research.

3325. Reporting for Visual Media (3) Formerly COMM 3225 2 lecture and 1 lab hours per week. May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; COMM 2320. News gathering and reporting techniques for presentation through visual media. Examines and critically analyzes investigative reports, special events coverage, and documentary.

3330. Feature Writing (3) Formerly COMM 3230 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; COMM 2320. Study and practice in feature writing for newspapers, magazines, and special publications.

3340. Desktop Publishing (3) May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; COMM 2320; ENGL 1200. Desktop publishing techniques for print media, public relations, and advertising.

3362. Visual Editing (3) Formerly COMM 3260 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; COMM 2320; consent of instructor. Use of informational graphics in newspaper and public relations design and layout.

3380. Computer Mediated Communication (3) May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. Explores liner and interactive CMC forms as they relate to human behavior and motivation. Involves communication issues related to identity construction, competency/proficiency, rules and conversions for specific mediated forms, online communities, relational development, ethics and deception, freedom of speech and influences on culture and access.

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3390. International News Communication (3) (S) (FC:SO) Formerly COMM 3290 P: COMM major or minor or consent of instructor. 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; ENGL 1200. Argumentation as method of critical inquiry and public advocacy. Analysis of controversies and presentation of oral arguments.

3410. Advanced Public Speaking (3) May not count toward foundations curriculum social sciences or fine arts requirements. P: COMM major or minor or consent of instructor; 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. Essential design and building techniques to create web pages for the World Wide Web.

3520. Sports Media Survey (3) May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. Basic survey of the historical development of sports communication and reporting including influence of mass media on development of sports reporting. Covers basic principles of writing for sports community using AP Press Sports Writing Guide.

3660. History of the Moving Image (3) May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. Examines development of media that utilize moving visual image. Covers history of cinema from 1890s to present and history of television from early 20th century to present.

4032. Mass Media Law (3) (F,S) Formerly COMM 4610; EMST 4810 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 18 s.h. 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 15 hours COMM courses or consent of instructor. Critical perspectives on interaction among media, culture, and society.

4042. First Amendment Law (3) May not count towards foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 18 s.h. COMM. Examines historical and contemporary controversies arising under the first amendment to constitution.

4045. Media Literacy for Communication Professionals (3) (F,S) May not count toward foundations curriculum social sciences credit. P: COMM major or minor or consent of instructor. Media literacy concepts and practices related to producing, understanding, and using messages distributed by mass media.

4050. Media Management (3) (S) Formerly EMST 4510 P: COMM major or minor or consent of instructor. Operation and management of broadcast stations and cable operations.

4060. Special Problems in Communication (3) (F,S,SS) May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. Special projects, research, and independent reading for students capable of individual work under guidance of faculty advisor. Designed to fit special needs and interests of students.

4062. Media Sales and Promotion (3) (F) Formerly EMST 4520 P: COMM major or minor or consent of instructor. 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 foundations curriculum social sciences requirement. P: COMM major or minor 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 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 major or minor or 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: COMM major or minor or consent of instructor; 18 s.h. COMM. Placement in professional setting appropriate to student's area of concentration.

4130. Conflict and Communication (3) Formerly COMM 4030 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. P for WOST major or minor: 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor. Individually directed study.

4180. Public Relations Strategies (3) (WI) (F,S) Formerly COMM 4440 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; COMM 3120. Public relations as practiced outside US. Examines reasons for international growth of public relations and explores opportunities for US involvement.

4190. International Communication and the Foreign Media (3) Formerly COMM 4690 May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 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 foundations curriculum 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 foundations curriculum 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 major or minor or consent of instructor; COMM 3275. Analysis and practice of dramatic video direction.

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4220. Video Performance (3) (F,S,SS) Formerly EMST 4420 P: COMM major or minor or consent of instructor; COMM 2230. Practical experience in techniques involved in on-camera video presentations.

4240. International Electronic Mass Media Systems (3) Formerly EMST 4540 P: COMM major or minor or consent of instructor. Interaction of global electronic media systems with American electronic mass media.

4250. Media Production Capstone (3) P: COMM major or consent of instructor; all required COMM courses under 4000, P/C: COMM 4210 or COMM 4280. Career launch strategizing, service learning via production of public service announcements for non-profits, and compilation of professional portfolio including production reel.

4280. Digital Practicum for Professional Distribution (3) P: COMM major; consent of instructor; all required COMM courses under 4000. Practical experience with instructor mentored/student executed television or internet programming and/or corporate videos. Selective admission.

4293. Editing and Producing the News (3) P: COMM 3320; COMM major; or consent of instructor. Capstone course in producing and editing for news media.

4400. Rhetorical Theory and Criticism (3) May not count toward foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 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 foundations curriculum social sciences requirement. P: COMM major or minor or consent of instructor; 18 s.h. COMM. 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)

CSCI: COMPUTER SCIENCE

1001. Introduction to Computer Science (3) (F,S) May not count towards a BA or BS degree in computer science, or towards foundations curriculum credit. Elementary treatment of some basic ideas in computer science, such as how computers store and process data, binary and hexadecimal numbers, arithmetic/logic instructions, social issues, data structures, web pages, and the Internet. Targeted towards novice computer users.

1002. Web Page Programming (3) (F,S) May not count toward CSCI major or minor. Introduction to the enhancement of web pages using programming techniques. Provides supervised practical experience in the use of an embedded programming language. A portable computer is required.

1200. Introduction to Visual Programming (3) (F,S) May not count toward CSCI major or minor. P: MATH 1065. Introduces programming using a visual design tool such as Visual Basic.

2300. Computer Science Survey (3) (F,S) Elementary architecture, operating systems, file systems, network, algorithmic, and software development concepts.

2310, 2311. Algorithmic Problem Solving and Programming Laboratory (4,0) (F,S) P: MATH 1065; C for 2310: CSCI 2311; C for 2311: CSCI 2310. Design of algorithms and their implementation as programs in high-level language such as Java.

2427. Discrete Mathematical Structures (3) (F,S) Same as MATH 2427 May not count toward MATH major or minor. May receive credit for only one of CSCI 2427; MATE or MATH 2775, 3237, or MATH 2427. P: MATH 1065 or 1066. Study of discrete mathematical structures. Special emphasis on structures most important in computer science. Practical applications of subject emphasized.

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.

2618. COBOL (3) (F) P: CSCI 2310 or 2610. Basic and advanced elements of COBOL.

3200. Data Structures and Their Applications (4) (F) P: CSCI 2310, 2311. Common data structures and how to use them in advanced problem solving.

3300. Introduction to Algorithms and Data Structures (4) (F,S) P: CSCI 2310; C: CSCI 2427. Advanced data representations such as lists and trees, including associated algorithms and use of both static and dynamic memory.

3310. Advanced Data Structures and Data Abstraction (3) (F,S) P: CSCI 2427, 3300. Data abstractions such as stacks, queues, graphs, tables, and sets, and implementations in object-oriented style, including principles of class design.

3526. Switching Theory and Computer Organization (3) (F,S) P: CSCI 2310, 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 2310 or consent of instructor; 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) 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 3200, 3300, or 3526. Assembly language used to illustrate general machine architecture that executes assembly language command structure.

3650. Analysis of Algorithms (3) (S) P: CSCI 3200 or 3300; CSCI 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) P: CSCI 3200 or 3310. 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,S) P: CSCI 3200 or 3310. Theory and techniques of relational, hierarchical, and network database management systems.

3800. Introduction to Computer Graphics (3) (F) P: CSCI 3200 or 3310; MATH 3256 or 3584. Computer graphics systems, hardware, interactive methods; line and curve drawing; two- and three-dimensional transformations; and perspective transformation.

4000. Senior Assessment (0) (F,S) To be taken by CSCI seniors in final semester. Assessment of departmental programs.

4200. Software Engineering I (3) (WI) (F,S) P: CSCI major and CSCI 3200 or 3310. Formal approach to state-of-the-art techniques in software design and development and application of the techniques.

4230. Software Engineering II (3) (F,S) P: CSCI 4200 or consent of the instructor. Conceptual and practical knowledge in relation to large-scale software development using established software engineering principles. Requires completion of major project using tools and methodologies provided.

4300. Systems Programming (3) (F) P: CSCI 3200 or 3310. Programming issues related to the functionality and general structure of operating systems, networking, security, and the general architecture of information systems are covered.

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4510. Object-Oriented Computing and Graphical User Interfaces (3) (F,S) P: CSCI 3200 or 3310. 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. 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 3200 or 3300 or consent of instructor. Theory and case studies of modern networking protocols and telecommunication methods. Local area and long-haul networks.

4540. Introduction to Mobile Communications and Wireless Security (3) P: CSCI 4530 or consent of instructor. Signals, access protocols, application requirements and security issues. Focus is on digital data transfer.

4550. Computer Game Development (3) (F) P: CSCI 3200 or 3310. Content creation and the concepts behind the development of story, character, environment, level design, user interface, and sound.

4602. Theory of Automata and Linguistics (3) (F) P: CSCI major; CSCI 2427. Basic concepts of automata theory and mathematical linguistics and their close interrelationship.

4627. Procedural Languages and Compilers (3) (S) P: CSCI major; CSCI 3526, 3675. State of the art techniques for compiling procedural languages.

4630. Operating Systems I (3) (F,S) P: CSCI major and CSCI 3200 or 3300. Job control and operating systems. System organization, resource and storage allocation, interrupt handling, addressing techniques, file structures, and batch/time sharing systems.

4710. Introduction to Developing e-Business Systems (3) (WI) P: CSCI 3200 or 3310 or consent of instructor. Introduces use of concepts, technologies, and building blocks from computer science, practical software engineering, and business development in building e-Commerce systems. Describes systematic life-cycle approach to developing successful e-Commerce systems and presents knowledge essential to wide range of organization and software developers. Requires completion of major term projects using state-of-the art tools and methodologies.

4905. Selected Topics in Computer Science (3) May be repeated for maximum of 6 s.h. with change of topic. P: CSCI major and CSCI 3200 or 3310. Consideration of new or advanced topics in computer science.

5002. Logic for Mathematics and Computer Science (3) Same as MATH 5002 P: CSCI 3200 or 3310 or MATE 3223 or 2775 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.

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 3200 or 3310 or equivalent or consent of instructor. Advanced computer science students study topics that supplement 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 3200 or 3310 or consent of instructor. Fundamental problems and techniques of artificial intelligence. Heuristic search. Concepts of expert systems.

(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 Banked Courses

1610. Elementary Pascal (3)
2510. Introduction to Computer Science I (3)
2610, 2611. Introduction to Computer Science II and Laboratory (4,0)
2901. Programming in ADA (1)
2902. Programming in C (1)
2903. Programming in FORTRAN (1)
3510. Data Structures (3)
3574. Numerical Analysis II (3)
4600. Systems Analysis (3)
4604. Systems Simulation (3)
5726. Scientific Programming (1)

CSDI: SPEECH AND HEARING SCIENCES

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 non-mainstream 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, resonation, 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.

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.

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 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, 4100, 5010. Develop 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.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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

4000. Introduction to Speech Disorders (5) (F)
4020. Introduction to Language Disorders (3) (F)
5100. Introduction to Speech-Language and Hearing Disorders (2)

DESN: DESIGN

2034, 2035. Engineering Graphics I (3,0) (F,S) 2 lecture and 2 lab hours per week. P: ITEC 2000 or MIS 2223. Basic skills and theory of graphics. Applies graphics in manufacturing, construction, and related fields.

2036, 2037. Computer-Aided Design and Drafting (3,0) (F,S) 2 lecture and 2 lab hours per week. P: DESN 2034. Applies 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) 2 lecture and 2 lab hours per week. P: DESN 2034 or IDSN 1281. Fundamental areas of residential working drawings.

3032, 3033. Engineering Graphics II (3,0) (S) 2 lecture and 2 lab hours per week. P: DESN 2036. 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, 3030. Practical experience in design of commercial structures from graphics perspective. Develop and interpret working drawings.

3038, 3039. Sustainable Design (3,0) (S) 2 lecture and 2 lab hours per week. P: DESN 2036, 3030. Introduces sustainability issues related to building technology and pursuit of design solutions.

3230, 3231. Rapid Prototyping (3,0) (S) 2 lecture and 2 lab hours per week. P: DESN 3032; IENG 2076. Develops holistic view and initial competencies in engineering design by conceiving, designing, manufacturing, and testing system components.

3234, 3235. Jig and Fixture Design (3,0) (F) 2 lecture and 2 lab hours per week. P: DESN 3032; ITEC 2090; IENG 2076. Applies principles of jig and fixture design and their construction.

3236, 3237 Geometric Dimensioning and Tolerancing (3,0) (F) 2 lecture and 2 lab hours per week. P: DESN 3032; MATH 1074; ITEC 3200 or MATH 2283. Introduces concepts of Geometric Dimensioning and Tolerancing based on industry standards such as ANSI and ASME using measuring equipment, problem solving, and case studies. Provide tools for immediate application of GD&T concepts to production specifications.

4030, 4031. Descriptive Geometry (3,0) (S) 2 lecture and 2 lab hours per week. P: DESN 3032; 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; IENG 2076. Applies principles of machine and tool design. Complete 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 or 3032; 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.

DESN Banked Courses

3034, 3035. Civil Drafting and Laboratory (3,0)
4032, 4033. Technical Illustration: Procedures and Practices (3,0)
5500. Independent Study: Graphic Communication (3) (F,S,SS)

DNCE: DANCE

1000. Introduction to Dance (3) (F,S,SS) (FC:FA) May not count toward DNCE major. Development of dance as art. Roles of choreographer and dancer.

1001. Fundamentals of Ballet (3) (SS) (FC:FA) 7.5 hours per week. Basic skills of ballet. Includes overview of ballet development.

1002. Fundamentals of Contemporary Dance (3) (SS) (FC:FA) 7.5 hours per week. Basic skills of modern dance. Includes overview of modern dance development.

1003. Fundamentals of Jazz Dance (3) (SS) (FC:FA) 7.5 hours per week. Basic skills of jazz dance. Includes overview of jazz dance styles.

1011. Ballet I (3) (F) (FC: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) (FC:FA) Dance technique which does not employ a standardized vocabulary of steps.

1013. Jazz Dance I (3) (F) (FC: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.

1111, 1121, 2131, 2141, 3151, 3161, 4171, 4181. Ballet Technique Development I, II, III, IV, V, VI, VII, VIII (3 each) (FC: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) (FC: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) (FC: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) (FC:FA) 2 hours per week. P: Consent of instructor. Progressive and continuous work in perfecting technique of pointe combinations and classical ballet variations.

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2031. Ballet III (3) (F) Continued work on ballet technique.

2032. Contemporary Dance III (3) (F) 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) (S) Continued work in perfection of technique.

2043. Jazz Dance IV (3) (S) P: 6 s.h. ballet or consent of instructor. Continued work in perfection of technique.

2051, 2061. Ballet Studio I, II (1) Progressive and continuous work in perfecting techniques and style in ballet. Emphasis on performance quality by means of individualized instruction.

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) (FC: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) (FC: 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) (FC: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) (F) P: DNCE 2041 or consent of instructor. Continued study in perfecting ballet technique.

3052. Contemporary Dance V (3) (F) P: DNCE 2042 or consent of instructor. Continued work toward perfection of technique and style.

3053. Jazz Dance V (3) (F) P: DNCE 2043 or consent of instructor. Continued work in perfection of technique.

3061. Ballet VI (3) (S) P: DNCE 3051 or consent of instructor. Continued study in perfecting ballet techniques.

3062. Contemporary Dance VI (3) (S) P: DNCE 3052 or consent of instructor. Continued work toward perfection of technique and style.

3063. Jazz Dance VI (3) (S) 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) (FC: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) (FC: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) (FC: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.

3703. International Ballroom and Folk Dance Styles (3) (FC:FA) Knowledge, skills, and understanding of international ballroom and folkdance styles.

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) (FC: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) (FC:FA) Explores dance as ritual and theatrical art.

4045. History of Dance II (3) (WI) (S) (FC: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) (F) P: DNCE 3061 or consent of instructor. Continued study in perfection of technique.

4072. Contemporary Dance VII (3) (F) P: DNCE 3062 or consent of instructor. Continued study in perfection of technique and style.

4073. Jazz Dance VII (3) (F) 6 hours per week. P: DNCE 3063. Continued work in perfection of jazz technique.

4076. Theatre Dance Styles I (3) 6 hours per week. P: DNCE 2041 or 2043; and consent of instructor. Develop basic practical knowledge of choreographed movement in musical theatre dance idiom. Emphasizes twentieth century theatre dance styles.

4081. Ballet VIII (3) (S) P: DNCE 4071 or consent of instructor. Continued study in perfection of technique.

4082. Contemporary Dance VIII (3) (S) P: DNCE 4072 or consent of instructor. Continued study in perfection of technique and style.

4083. Jazz Dance VIII (3) (S) 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: Admission to upper division; 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.

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.

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DNCE Banked Courses

2071, 2081. Ballet Studio III, IV (1 each)
2052, 2062, 2072, 2082. Contemporary Dance Studio I, II, III, IV (1 each)
2053, 2063, 2073, 2083. Jazz Dance Studio I, II, III, IV (1 each)
4031, 4041, 4051, 4061. Ballet Studio V, VI, VII, VIII (1 each)
4032, 4042, 4052, 4062. Contemporary Dance Studio V, VI, VII, VIII (1 each)
4033, 4043, 4053, 4063. Jazz Dance Studio V, VI, VII, VIII (1 each)
4077. Theatre Dance Styles II (3)

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

2220. The Highway Transportation System (3)
2230. Traffic Law (3)
2307. Practicum in Driver and Traffic Safety Education (3)
3210, 3211. Motorcycle Safety Instructor Preparation (3)
4323. The Teaching of Driver and Traffic Safety Education in High School (3)
4324. Observation and Supervised Teaching in Driver and Traffic Safety Education (8)
5310. Advanced Motorcycle Safety (3)

ECON: ECONOMICS

2113. Principles of Microeconomics (3) (F,S,SS) (FC:SO) Elements of microeconomics and introduction to macroeconomics.

2133. Principles of Macroeconomics (3) (F,S,SS) (FC:SO) P: ECON 2113. Principles and applications of macroeconomics from Keynesian and Montarist approaches.

3030. Antitrust and Regulation (3) (WI*) (F) (FC:SO) P: ECON 2113. Antitrust policy and government regulation as a response to market failure.

3144. Intermediate Microeconomics (3) (F,S) (FC:SO) P: ECON 2113. Demand analysis, elasticity, market structure, pricing, and cost effectiveness.

3244. Intermediate Macroeconomics (3) (F,S) (FC:SO) P: ECON 2133. Classical, Keynesian, and modern analysis of determinants of national income, employment, and price levels.

3323. Topics in Economics (3) (WI*) (FC:SO) May be repeated for credit with change of topic. P: ECON 2133. Consideration of new and advanced topics in economics.

3343. Econometrics (3) (WI) (F,S) (FC:SO) P: CSCI 2600 or DSCI 2223; ECON 2133; MATH 2283. Development and explanation of econometric methods and model building.

3353. Development Economics (3) (FC:SO) P: ECON 2133. Analysis of problems of less developed countries of the world. National and international policies of such countries.

3365. Russian Economic Transition (3) (S) (FC:SO) P: ECON 2113, 2133, or permission of instructor. Analysis of the rise and fall of Russian Soviet economic system and its transformation into a market economic system, with focus on economic institutions and their functions.

3420. Money and Banking (3) (S) (FC: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) (FC: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) (FC: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) (FC: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) (FC:SO) P: ECON 2133. Application of microeconomic analysis to study political decision making within a representative democracy.

4020. Industrial Organization (3) (WI*) (S) (FC:SO) P: ECON 3144. Definition and measurement of structure, behavior, and market performance of firms.

4214. Public Finance (3) (FC:SO) P: ECON 2133, 3144. Government expenditures, revenue and debts, allocation of resources, and distribution of income.

4230. Labor in Economics (3) (F) (FC: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) (FC:SO) P: ECON 2133, 3144. Theory and application in world markets for primary and industrial goods.

4430. Business Cycles and Forecasting (3) (FC:SO) P: ECON 3244, 3343; or consent of instructor. Business cycle theories and quantitative techniques for analyzing and predicting business cycle phenomena.

4521, 4522, 4523. Independent Study and Research in Economics (1,2,3) (4523:WI*) (F,S,SS) P: Consent of instructor and chair. Extensive or selected readings taken from modern economic research monographs or in specialized areas of economics in which student has taken one or more courses.

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) (FC:SO) P: ECON 2133, 3144. Applies 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.

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5150. Development (3) P for undergraduate students: ECON 3144. Applies 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. Applies 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)

EDTC: EDUCATIONAL TECHNOLOGY

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.

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,SS) 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)
3272. Introduction to Audiovisual Instruction Materials and Techniques (2)
3700. Technologies in Education (3)

EDUC: EDUCATION

2001, 2002, 2003. Trends and Issues in Education (1,2,3) (F,S,SS) P: Consent of chair or program coordinator. May be repeated for maximum of 6 s.h. May not substitute for required courses. Individualized study of problems or issues in pertinent areas of education.

3002. Introduction to Diversity (3) Multidisciplinary introduction to concepts and issues of diversity in American society and schools.

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, 2111. Introduction to Environmental Health Sciences and Laboratory (3,0) (F,S) 2 lecture and 2 lab hours per week. Principles of environmental health practices along with lab and field techniques. Emphasis on air quality, safe water, food safety, industrial hygiene, radiation, vectors, and solid and hazardous waste disposal.

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.

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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.

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.

3350. Safe Water (4) (F) P: BIOL 2110, 2111; CHEM 1160, 1161; C: EHST 3351. Fundamentals of safe water and principles of drinking water treatment and supply.

3351. Safe Water Laboratory (1) (F) P: BIOL 2110, 2111; CHEM 1160, 1161; C: EHST 3350. Practical aspects of drinking water treatment and supply.

3370. Waste Water Management (3) (S) P: EHST 3350, 3351; C: EHST 3371. Fundamentals of waste water production, collection, treatment, and safe disposal.

3371. Waste Water Management Laboratory (1) (S) P: EHST 3350, 3351; C: EHST 3370. Practical aspects of waste water characteristics and safe disposal.

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 program director; 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.

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) (S) 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.

(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

4300, 4301. Institutional and Recreational Sanitation and Laboratory (3,0) (F) 2 lecture and 2 lab hours per week. P: EHST 2110, 3003, 3200, 3201, 3350, 3351, 3370, 3371; or consent of instructor. Environmental Health practices and sanitation in institutions and recreational facilities. North Carolina Rules Governing the Sanitation of Institutions and Recreational Facilities are discussed and evaluated.

4350, 4351. Vector Borne Disease Ecology and Laboratory (3,0) (F) 2 lecture and 2 lab hours per week. P: EHST 2110, 3003, 3350, 3351, 3370, 3371; or consent of instructor. Introduction to vector borne diseases, their vectors and their ecology in humans and the environment.

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 program director.

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 program director.

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.

5510. Physical Safety (2) (F) Practical application of physical safety principles in living and work environments.

5520. Biological Safety (2) (S) Formerly EHST 6120 Practical application of biological safety principles in living and work environments.

5530. Chemical Safety (2) (S) Practical application of chemical safety principles in living and work environments.

5540. Radiation Safety (2) (F) Practical application of radiation safety principles in living and work environments.

5800, 5801. Solid and Hazardous Waste Management and Laboratory (3,0) 2 lecture and 2 lab hours per week. P: CHEM 1160, 1161 or consent of instructor. Problems associated with collection, treatment, and disposal of municipal solid waste and hazardous wastes in the United States.

EHST Banked Courses

5710, 5711. Topics in Health Physics I (3,0) **5720, 5721. Topics in Health Physics II (3,0)**

ELEM: ELEMENTARY EDUCATION

2123. Early Experience for the Prospective Teacher (1) (F,S) Minimum of 16 hours of focused observations and planned participation in appropriate school environments and 8 hours of seminar class instruction. P: Consent of instructor. Introduction to teaching for prospective elementary education teachers.

3225. Planning, Instruction, and Evaluation in the Early Childhood and Elementary School (3) (F,S,SS) Practicum required. Emphasis on development of classroom instructional plans with integration of learning and evaluation. Includes selection of teaching strategies.

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3235. Curriculum and Instruction in the Elementary School (4) (F,S,SS) P/C: ELEM 3275; 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) (F,S,SS) 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) (F,S,SS) 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) (F,S,SS) 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) (F,S,SS) P: Sophomore standing; P/C: CDFR 2123 or ELEM 2123. 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: Admission to upper division; EDTC 4001; EDUC 4400 or PSYC 4305; ELEM 3236, 3250, 4525, 4551; MATE 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. 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) Practicum experiences required. P: Admission to upper division; ELEM 4550, ELEM 3235. Roles and responsibilities of teacher in organizing and managing elementary classroom.

4526. Practicum in Classroom Organization and Management (1) (F,S) 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) (F,S) P: Upper-division standing; 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) (F,S) Social studies objectives implemented by study of programs, strategies, and materials.

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.

(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

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)

ENED: ENGLISH EDUCATION

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 foundations curriculum humanities requirement. P: ENGL 1200. Introduction to teaching of English.

3815. Composition Instruction in Grades 9-12 (3) (WI) (F,S) 2 lecture and 1 practicum hour per week. P: ENED 2123 or dept consent. Examines stages of composition process and strategies for teaching and evaluating modes of discourse specified by secondary school curriculum. Practice in application of strategies through tutorial work with secondary students.

4323. The Teaching of English in High School (3) (F) May not count toward BA ENGL major or minor. May not count toward foundations curriculum humanities requirement. Must be taken immediately before student teaching. P: Admission to upper division; ENED 4960. Methods of teaching language, composition, and literature in grades 7-12.

4324. Internship in English (10) (F,S) May not count toward foundations curriculum humanities requirement. P: Admission to upper division; a minimum grade of C in ENED 2123, 3815, 4323, 4960; EDTC 4001; EDUC 3200; PSYC 3206; PSYC 4305 or EDUC 4400; SPED 4010. Observation and supervised internship in English in public secondary school.

4325. Internship Seminar: Issues in English Education (2) (F,S) P: Admission to upper division; C: ENED 4324. Individualized study of problems or issues related to English Education. Creation of professional portfolio. Preparation for certification examinations.

4501, 4502, 4503. Independent Study in English Education (1, 2, 3) May be repeated for 4 s.h. with change of topic. Number of hours per week will depend on credit hours and nature of work assigned. P: BS Secondary English; consent of department chair or program coordinator. Topics supplement regular instruction.

4960. Literature for High School (3) (WI) (F) To be taken immediately before ENED 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) May not count as an advanced elective for ENGL majors. May not count toward foundations curriculum 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.

ENED Banked Courses

4319. Teaching English/Language Arts in the Middle Grades (3)

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ENGL: ENGLISH

1000. Appreciating Literature (3) (F,S,SS) (FC:HU) For General College students; enrollment limited to students with fewer than 40 s.h. credit. Introduces past and present readings to enhance student's enjoyment and understanding of literature.

1100. Composition (3) (WI) (F,S,SS) (FC: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) (FC: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) (FC:HU) P: ENGL 1200. Principal genres of literature with attention to literary devices, techniques, and interpretation.

2100. Major British Writers (3) (WI*) (F,S) (FC:HU) P: ENGL 1200. Major works of English literature.

2200. Major American Writers (3) (WI*) (F,S,SS) (FC:HU) P: ENGL 1200. Major works of American literature before World War II.

2700. Introduction to Language Studies (3) (F,S) (FC: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 foundations curriculum humanities requirement. P: ENGL 1200. Traditional grammar. Emphasis on syntax, forms and usages, and punctuation.

2730. Functional Grammar (3) (WI*) (F,S,SS) May not count toward foundations curriculum humanities requirement. P: ENGL 1200. Practical English grammar. Emphasis on application, sentence patterns, and informational writing.

2740. Language in the USA (3) (F) (FC:HU) P: ENGL 1200. 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.

2760. Afro-Caribbean Language and Culture (3) (WI*) (S) P: ENGL 1200. Description and analysis of the languages spoken by the descendents of Africans in the Caribbean.

2830. Writing and Style (3) (WI) (S) P: ENGL 1200. Study of stylistic techniques in written texts through rhetorical analysis and a series of experimental and practical writing activities.

2900. Introduction to Film Studies (3) (F,S) (FC: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 British Literature to 1700 (3) (WI) (F,S) (FC:HU) P: ENGL major, minor, or consent of dept; ENGL 1200. British literary history to 1700.

3010. History of British Literature, 1700-1900 (3) (WI) (F,S) (FC:HU) P: ENGL major, minor, or consent of dept; ENGL 1200. British literary history 1700 to 1900.

3020. History of American Literature to 1900 (3) (WI) (F,S) (FC:HU) P: ENGL major, minor, or consent of dept; ENGL 1200. American literature history to 1900.

3030. Introduction to Rhetorical Studies (3) (WI) (S) P: ENGL 1200. Introduces rhetoric, including classical and modern theories, and to research and citation practices. Attention to practical application of rhetorical principles in written texts of popular culture, mass media, and education.

3040. Introduction to Professional Writing (3) (WI) (F) P: ENGL 1200. Overview of professional writing principles, current communication issues, research practices, and emerging technologies.

3230. Southern Literature (3) (WI*) (F) (FC:HU) P: ENGL 1200. Survey of southern literature from Antebellum writers, through the Southern Renaissance period, to contemporary writers.

3240. U.S. Latino/a Literature (3) (WI*) (F) (FC:HU) P: ENGL 1200. Examines literatures written in English in United States by Latino/a writers, including Chicano/a, Cuban-American, Dominican-American, and Puerto Rican-American writers.

3250. Native American Literatures (3) (WI*) (S) (FC:HU) P: ENGL 1200. Emphasis on twentieth century.

3260. African American Literature (3) (WI*) (F,S,SS) (FC:HU) P: ENGL 1200. Emphasis on twentieth century.

3270. The Frontier in American Literature (3) (WI*) (F-OY) (FC:HU) P: ENGL 1200. Westward expansion in America as depicted in popular fiction.

3280. African Literature (3) (S) P: ENGL 1200. Overview of African literature in English from the twentieth- and twenty-first centuries.

3290. Asian American Literature (3) (S) P: ENGL 1200. Overview of Asian American literature from twentieth and twenty-first centuries.

3300. Women and Literature (3) (WI*) (F,S,SS) (FC:HU) P: ENGL 1200. Literature by and about women.

3330. Early Twentieth-Century Drama (3) (WI*) (F-EY) (FC: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) (FC:HU) P: ENGL 1200. Trends in dramatic literature from World War II to present.

3410. Introduction to Poetry (3) (WI*) (F) (FC:HU) P: ENGL 1200. Narration, description, metrics, tone and attitude, imagery, and theme in poetry.

3420. The Short Story (3) (WI*) (F,S,SS) (FC:HU) P: ENGL 1200. History, development, and analysis of short story.

3430. Mystery Fiction (3) (WI*) (S-OY) (FC:HU) P: ENGL 1200. Development of detective, crime, suspense, and espionage fiction during last century.

3450. Northern European Mythology (3) (WI*) (F,S-OY) (FC: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) (FC: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) (FC:HU) P: ENGL 1200. History, development, types, and nature of fantasy during past century.

3480. Science Fiction (3) (WI*) (F,S) (FC:HU) P: ENGL 1200. Development of genre from turn of century.

3490. Satire (3) (F) P: ENGL 1200. Representative works of literary satire.

3570. American Folklore (3) (WI) (F,S,SS) (FC:HU) P: ENGL 1200. Types of American folklore with concentration on legends and tales.

3600. Classics from Homer to Dante (3) (WI) (F) (FC:HU) P: ENGL 1200. Classical and Medieval literature from Homer to Dante.

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3610. Human Values in Literature (3) (WI*) (F-EY) (FC:HU) P: ENGL 1200. Great works of literature that express enduring human values.

3630. The Bible as Literature (3) (WI*) (S) (FC:HU) P: ENGL 1200. Various literary genres in the Bible.

3640. Literature and Religion (3) (WI*) (F-OY) (FC:HU) P: ENGL 1200. Interrelationships of literature and religion. Exemplary literary artists vary.

3660. Representing Environmental Crisis (3) (F) P: ENGL 1200. Introduction to discursive and narrative representations of environmental crisis in various texts.

3670. Narrating Food and Environment (3) (S) P: ENGL 1200. Introduction to literary narratives of the connection between nature, culture, and food production.

3700. History of the English Language (3) P: ENGL 1200. Development of English language and culture; standardization; colonial and post-colonial Englishes.

3710. Advanced English Grammar (3) (S) May not count toward foundations curriculum 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.

3720. Writing Systems of the World (3) (F) P: ENGL 1200. Writings systems and their relationship to language, literacy, and multicultural communication.

3730. The Structure of English: Phonology and Morphology (3) (F) Formerly ENGL 5501 May not count toward foundations curriculum humanities requirement. P: ENGL 1200. Contemporary linguistic theory and its practical application to teaching phonological and morphological components of English language.

3740. The Structure of English: Syntax and Semantics (3) (S) Formerly ENGL 5502 May not count toward foundations curriculum humanities requirement. P: ENGL 1200. Contemporary linguistic theory and its practical application to teaching syntactic and semantic components of English language.

3750. Introductory Linguistics (3) (S) (FC: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 foundations curriculum 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.

3770. Language Universals (3) (WI) P: ENGL 1200. Analysis of components of human language and how they are uniquely configured within the human species, shaped by the brain and evolution.

3810. Advanced Composition (3) (WI) (F,S,SS) May not count toward foundations curriculum humanities requirement. P: ENGL 1200. Advanced study of kinds of composition. Practice in effective writing.

3815. Introduction to Creative Writing (3) (F,S) P: ENGL 1200. Introduction to the major genres of creative writing.

3820. Scientific Writing (3) (WI) (F,S,SS) May not count toward foundations curriculum 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 foundations curriculum 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.

3835. Persuasive Writing (3) (WI) (F) P: ENGL 1200. Study and practice of elements of persuasion in academic and public texts.

(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

3840. Introduction to Poetry Writing (3) (WI*) (F,S,SS) May not count toward foundations curriculum humanities requirement. P: ENGL 1200. Practice in poetry writing.

3850. Introduction to Fiction Writing (3) (WI*) (F,S,SS) May not count toward foundations curriculum 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 foundations curriculum 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 foundations curriculum humanities requirement. P: ENGL 1200. 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 foundations curriculum 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 foundations curriculum 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).

3890. Critical Writing (3) (WI) (S-OY) (FC: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 foundations curriculum 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) (FC:HU) P: ENGL 1200. Literature from fifth to fifteenth centuries. Excludes Chaucer.

4020. Chaucer (3) (WI) (F-OY) (FC:HU) P: ENGL 1200. Selections from Chaucer's poetry.

4030. Milton (3) (WI) (S-EY) (FC: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) (FC:HU) P: ENGL 1200. 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) (FC:HU) P: ENGL 1200. Emphasis on beginnings of forms and types.

4070. Shakespeare: The Histories (3) (WI*) (F-EY) (FC:HU) P: ENGL 1200. Close reading and critical study.

4080. Shakespeare: The Comedies (3) (WI*) (F,S,SS) (FC:HU) P: ENGL 1200. Close reading and critical study.

4090. Shakespeare: The Tragedies (3) (WI*) (F,S,SS) (FC:HU) P: ENGL 1200. Close reading and critical study.

4100. Seventeenth-Century Literature (3) (WI) (F-EY) (FC:HU) P: ENGL 1200. Prose and poetry of seventeenth century England.

4120. Eighteenth-Century Literature (3) (WI) (S-EY) (FC:HU) P: ENGL 1200. Prose and poetry of neo-classic and pre-romantic periods in British literature.

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4150. The Romantic Period (3) (WI) (S-OY) (FC:HU) P: ENGL 1200. Major poets.

4170. Victorian Literature (3) (WI) (F-OY) (FC:HU) P: ENGL 1200. Major writers.

4200. American Literature, 1820-1865 (3) (WI) (F-OY) (FC:HU) P: ENGL 1200. Major writers of Transcendental period. Poe, Emerson, Thoreau, Hawthorne, Melville, and Whitman.

4230. North Carolina Literature (3) (WI) (S-OY) (FC:HU) P: ENGL 1200. Representative group of literary works examined from various critical perspectives.

4250. American Literature, 1865-1920 (3) (WI) (S) (FC: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) (FC:HU) P: ENGL 1200. Major works and trends in literature since World War II.

4340. Ethnic American Literature (3) (WI) (S-OY) (FC: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) (FC:HU) Formerly ENGL 3100 P: ENGL 1200. Examines literature written in English worldwide, exclusive of the US and England.

4370. Literature and Environment (3) (F) P: ENGL 1200. Survey of American and/or British literary narratives focusing on the relationship between imagination and nature.

4380. Studies in African American and African Diaspora Literatures (3) (S) P: ENGL 1200. Topics in African American and African diaspora literatures from the twentieth- and twenty-first centuries.

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 foundations curriculum humanities requirement. P: ENGL 1200. 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 foundations curriculum humanities requirement. P: ENGL 4710. Pedagogical application of linguistic theory. Emphasis on teaching English as a second language.

4730. Language and Society (3) (S) P: ENGL 1200. Explores language in relation to society.

4890. Practicum: Careers in Writing (3) (WI*) (F,S,SS) May not count toward foundations curriculum 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 foundations curriculum 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. Survey of Film Styles and Movements (3) (WI*) (F) (FC:HU) P: 6 s.h. of literature or consent of instructor. World art and early history of films.

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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

4920. Contemporary American and International Cinema (3) (WI*) (S) (FC:HU) P: 6 s.h. of literature or consent of instructor; RP: ENGL 4910. World art and recent history of films.

4930. Film: The Writer's Perspective (3) (S) Thematic analysis of films from the screenwriter's perspective.

4950. Literature for Children (3) (WI*) (F,S,SS) (FC:HU) P: ENGL 1200. Early childhood through junior high school literature.

4980. Topics in Film Aesthetics (3) (F) May be repeated with change of topic for maximum 6 s. h. P: ENGL 2900 or consent of instructor. Selected topics may include works of individual directors, film and the other arts, and film movements. Topics vary depending on interest.

4985. Issues in Cinema and Culture (3) (S) May be repeated with change of topic for maximum 6 s. h. P: ENGL 2900 or consent of instructor. Selected topics may include social and cultural contexts of film, and studies in national cinemas. Topics vary depending on interest.

5060. History of Literary Criticism (3) Major texts of literary criticism from Plato through Pater.

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 Brontes, 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 context of feminist scholarship and criticism. Focus on genre within literary period or 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 foundations curriculum humanities requirement. Cultural emergence and linguistic development.

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5770. Advanced Editing (3) May not count toward foundations curriculum 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 foundations curriculum 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 foundations curriculum 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 foundations curriculum 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 foundations curriculum 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.

ENGL Banked Courses

2750. Grammar and Linguistics for Elementary Education (3)
2800. Critical Reading (3)
3620. Oriental Literature (3)
3800. Computing for the Humanities (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)

ENMA: ENGINEERING MANAGEMENT

3000. Introduction to Engineering Management (3) (F) P: Consent of instructor. Introduces principles of management and organization as applicable to engineering profession. Special emphasis on project management, systems engineering and analysis, team building, quality leadership, planning, and quantitative decision making. Includes topic exercises, case studies, and extensive writing assignments.

4010. Entrepreneurship and Intellectual Property (3) (F) P: ENMA 3000. Understanding of new technological product development process and role of engineering entrepreneurship in managing process. Emphasis on technological opportunity recognition and evaluation, and early technological and marketing stages.

4020. Analysis of Production Systems (3) (S) P: MATH 3307. Tools and approaches for design and analysis of production systems. Covers strategy, aggregate planning, inventory, location, layout and production control systems.

4030. Engineering Logistics (3) (S) P: MATH 3307. Logistics from systems engineering perspective. Covers design of systems for supportability and serviceability, production and effective distribution of systems for customer use, and sustaining maintenance and support of systems throughout their period of utilization.

ETHN: ETHNIC STUDIES

2001. Introduction to Ethnic Studies: Humanities (3) (F,S,SS) (FC:HU) May count toward either the ETHN minor or the foundations curriculum 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 group's experience in America. Social and cultural sources of bias and discrimination explored through literature and philosophy.

2002. Introduction to Ethnic Studies: Social Science (3) (FC:SO) May count toward either the ETHN minor or foundations curriculum 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 group's experience in America. Social and cultural sources of bias and discrimination explored through the social sciences.

2003. Introduction to Ethnic Studies: Fine Arts (3) (FC:FA) May count toward either the ETHN minor or foundations curriculum 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 group's 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. Interdisciplinary seminar.

4000. Seminar in Ethnic Studies (3) (S) (FC:HU) Interdisciplinary seminar examining cultural theories that shape study of US ethnic groups.

5000. Directed Readings in Ethnic Studies (3) Graduate credit only. P: consent of director. In-depth exploration and written senior-level paper on topic relevant to ethnic studies.

5500. Studies in Ethnicity (3) Graduate credit only. May be repeated for credit with change of topic. Theoretical and methodological issues.

EXSS: EXERCISE AND SPORT SCIENCE

1000. Lifetime Physical Activity and Fitness Laboratory (1) (F,S,SS) (FC: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.

1001. Lifetime Physical Activity and Fitness Laboratory II (2) (F,S,SS) (FC:EX) May receive credit for only one: EXSS 1000, 1001. One lecture hour and two physical activity sessions per week. Instruction in the health related benefits of physical activity focusing on aerobic fitness; body composition; muscular strength, endurance, and flexibility; and exercise adherence.

1010. Fitness Walking (1) (F,SS) P: EXSS 1000 or 1001. Fundamentals of walking for health and fitness.

1014. Elementary Basketball (1) For beginners. 2 hours per week. P: EXSS 1000 or 1001.

1015. Elementary Softball (1) For beginners. 2 hours per week. P: EXSS 1000 or 1001.

1018. Elementary Swimming (1) For beginners. 2 hours per week. P: EXSS 1000 or 1001.

1021. Elementary Tennis (1) For beginners. 2 hours per week. P: EXSS 1000 or 1001.

1022. Intermediate Tennis (1) For students who have mastered fundamentals of tennis. 2 hours per week. P: EXSS 1000 or 1001. Additional skill development and practice.

1025, 1026, 1027. Adapted Activities (1,1,1) (FC:EX) For students with physical disabilities. P: Physical disability which restricts student from taking part in EXSS 1000 or 1001.

1051. Beginning Gymnastics (1)

1060. Introduction to Sailing (1) Same as RCLS 1060 For beginners. 2 hours per week. P: EXSS 1000 or 1001.

1101. Physical Conditioning (1) (F,S,SS) 2 hours per week. P: EXSS 1000 or 1001.

1104. Archery (1) 2 hours per week. P: EXSS 1000 or 1001.

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1110. Physical Activity for Weight Management (2) (F,S,SS) 1 lecture and 2 lab (physical activity) hours per week. P: EXSS 1000 or 1001. Fundamentals of physical activity and weight management for a healthy lifestyle.

1114. Group Fitness Activities (1) (F,S,SS) 2 hours per week. P: EXSS 1000 or 1001.

1118. Intermediate Swimming (1) For students who have mastered fundamentals of swimming. 2 hours per week. P: EXSS 1000 or 1001. Additional skill development and practice.

1119. Volleyball (1) 2 hours per week. P: EXSS 1000 or 1001.

1120. Golf (1) 2 hours per week. P: EXSS 1000 or 1001.

1139. Bowling (1) 2 hours per week. P: EXSS 1000 or 1001.

1214. Advanced Group Fitness (1) For students who have mastered fundamentals of basic group fitness activities. P: EXSS 1114. Additional skill development and practice.

2000. Introductory Exercise and Sport Science (3) (F,S,SS) General survey of the methods of study of physical activity. Introduction, justification, terminology, history, methods of study, and professional and academic applications.

2020. Physical Activity and Disease Prevention (3) (S) P: BIOL 1050,1051 or BIOL 1100, 1101; EXSS 1000; HLTH 1000. Survey of adaptations caused by regular physical activity that have a positive influence on disease prevention.

2122. Motor Development (2) (F,S) P: BIOL 2130; EXSS 2850; 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) Introduces fundamental principles involved in learning and performing motor skills in 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 or 1001. Introduces 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 or 1001. 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 or 1001. 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.

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.

(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

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.

2850. Structural Kinesiology (1) (F,S,SS) Structural principles of skeletal, muscular, nervous, cardiovascular, and respiratory systems. Emphasis on contributions of systems to human movement.

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) (F) 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 foundations curriculum requirement. 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 or 1001. 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 or 1001. 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 or 1001. 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 or 1001. 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.

3700. Essentials of Strength and Conditioning (3) (F,S) P: EXSS 3805. Theory and application of strength training.

3802. Obesity Prevention and Treatment (3) (S) P: BIOL 1050,1051 or 1100,1101; EXSS 1000 or 1001; HLTH 1000 or 1050; or consent of instructor. Introduction to the development of obesity and different intervention methods used for prevention and treatment.

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3803. Physical Activity and Cancer (3) (F) P: BIOL 1050/1051 or 1100/1101; or consent of instructor. Introduction to the study of physical activity and cancer from primary prevention to rehabilitation.

3804. Measurement of Physical Activity and Fitness (3) (F,S,SS) 2 lecture hours and 1 lab hour per week. P: ASIP 2112 or MIS 2223; EXSS 2000; 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) P: Health and human performance major or minor or consent of dept chair; BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850. Effect of exercise on physical and chemical processes of the human body.

3806. Physiology of Exercise Laboratory (1) (F,S,SS) 1 2-hour lab per week. P/C: EXSS 3805. Assessment and measurement of the effect of exercise on physical and chemical processes of the human body.

3850. Introduction to Biomechanics (3) (F,S,SS) 2, 2-hour lecture/lab classes per week. P: BIOL 2130 or BIOL 2140, 2141, 2150, 2151; EXSS 2850; PHYS 1250, 1251; or consent of instructor. Fundamentals of neuromuscular function and biomechanics of human movement in healthy, injured, and diseased populations.

3880. Personal Fitness Training (3) (F,S,SS) 2 lecture and 1 lab hour per week. P: EXSS 3805. Fundamentals of personal training.

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 standing; 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 standing; EXSS 2323; SPED 2000; or consent of instructor. Procedures and techniques in physical education for special populations.

3910. Diversity Issues in Teaching Physical Education (3) (F,S) P: Upper-division standing. Teacher candidates enhance their sensitivity to, and appreciation of, diversity of others within physical education.

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.

4001, 4002, 4003. Special Topics In Exercise and Sport Science (1,2,3) May be repeated for a maximum of 6 s.h. with change of topic. New or advanced topics vary by current faculty applied research.

4115. Physical Activity and Public Health (3) (F) P: EXSS 1000; HLTH 1000. Introduction to understanding the role physical activity has in public health settings.

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: EXSS 2000 or 2323; or consent of instructor. Theories, research, and practical applications in current management techniques and program development.

4301. Comparative Sport and Physical Education: International Aspects (3) (WI) (S,SS) Cultural, social, and political importance of sport and physical education around the world.

(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

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 standing; EXSS 3510, 3520, 3530, 3540, 3900; P/C: EXSS 4804; C: EXSS 4400. 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 (9) (F,S) Full-time, semester-long internship. P: Upper-division standing; 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 (1) (F,S) P: Upper-division standing; C: EXSS 4324. Individualized study of problems or issues pertinent in physical education pedagogy and the development of the Senior II Teaching Portfolio.

4400. Creating Positive Learning Environments in Physical Education (3) (F,S) 2 lecture hours and 2 lab hours per week. P: Upper-division standing; C: EXSS 4323. Teacher candidates apply student behavior management, learning environment design, and critical observation in physical education.

4500, 4501, 4502. Independent Study in EXSS (1,2,3) (WI) 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. Develop 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 standing; EXSS 2323; MATH 1065; health and human performance major or minor or consent of dept chair. Develop 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. Methods for assessing fitness and developing training techniques in asymptomatic populations.

4807. Advanced Exercise Physiology (3) (F) P: EXSS 4806, CHEM 2750, 2753 (C or better), and consent of instructor. Physiological responses to exercise and health. Emphasis on effects of physical training and other factors that affect physical performance and health.

4808. Cardiopulmonary Physiology (3) (S) P: EXSS 4806, CHEM 2750, 2753 (C or better), and consent of instructor. Current topics in cardiopulmonary physiology as related to clinical and basic science aspects of exercise science. Topics include cardiopulmonary anatomy and function; cardiovascular pharmacology; metabolic evaluation/assessment/programming during exercise and other issues related to clinical exercise science.

4809. Exercise Prescription for Clinical Populations (3) (F,S,SS) P: EXSS 4806. Fundamentals of prescribing aerobic, strength and flexibility exercise for clinical populations to include: cardiovascular disease, pulmonary disease, hypertension, diabetes, obesity, etc.

4850. Exercise Leadership (3) (F,S) 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 4806; or consent of exercise physiology coordinator. Plan and execute investigative study in exercise physiology under supervision of faculty mentor.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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.

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. Applies motor development theory and techniques to numerous settings. Descriptions of changes in movement patterns and skills. Examines 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.

EXSS Banked Courses

1052. Intermediate Gymnastics (1)
1105. Recreational Activities (1)
1109. Intermediate Modern Dance (1)
1111. Social Dance (1)
1121. Advanced Tennis (1)
1150. Beginning Snow Skiing (1)
1151. Intermediate Snow Skiing (1)
1152. Advanced Snow Skiing (1)
2728. Sports Officiating—Volleyball (1)
2729. Sports Officiating—Basketball (2) (2)
3610. Coaching Volleyball (1)
3611. Coaching Field Hockey (1)
3612. Coaching Soccer (1)
3613. Coaching Basketball (1)
3614. Coaching Wrestling (1)
3615. Coaching Football (1)
3616. Coaching Track and Field (1)
3617. Coaching Gymnastics (1)
3618. Coaching Swimming (1)
3619. Coaching Baseball (1)
4347. Philosophy and Sport (3)
5400. Activities in Physical Education for the Elementary School (3)

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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

FACS: FAMILY AND CONSUMER SCIENCES

1180. Housing and Interior Design (3) (S) P: FACS major. Examination of housing, furnishings, and equipment as they influence family well-being.

2003. Apparel Construction for Secondary Education (2) (F) C: FACS 2004. Application and evaluation in fabric selection and apparel construction.

2004. Apparel Construction for Secondary Education Laboratory (1) (F) C: FACS 2003. Application of construction principles. Interrelationship of fabric selection, pattern selection, alteration, and garment fit.

2123. Early Experience in Family and Consumer Sciences Education (1) (F,S) For prospective teachers of family and consumer sciences. Minimum of 16 hours of directed observations and planned participation in appropriate school environments and 12 hours of seminar class instruction.

4317. Curriculum Development (3) (F) P: FACS 2123. Philosophy and development of family and consumer sciences education. Principles and procedures of curriculum and program development.

4323. Methods of Teaching Family and Consumer Sciences (3) (F) P: Declared major and admission to upper division. Application of teaching family and consumer sciences knowledge and skills in all content areas.

4324. Internship in Family and Consumer Sciences Education (10) (S) P: Admission to upper division; FACS 4323; C: FACS 4325. Full-time, semester-long internship. Internship in middle or high school family and consumer sciences classroom.

4325. Internship Seminar: Issues in Family and Consumer Sciences Education (2) (S) P: Admission to upper division; FACS 4323; C: FACS 4324. Assessment and development of competencies needed by beginning family and consumer sciences teachers. Reflection on the student teaching experience.

4410. Professional Seminar (1) P: FACS major; junior standing. Develop 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) May be repeated for credit with change of topic. P: Senior standing. Special topics in selected areas of family and consumer sciences. Variable titles and content.

FACS Banked Courses

4400. Professional Presentations (3)
5300. Middle Grades Career Exploration (3)
5301. Middle Grades Career Exploration: Service Clusters (3)
5321. Adult Education (2)

FINA: FINANCE

1904. Personal Finance (3) May not count toward business core or concentration area. Introduction to managing personal finances. Topics include investing and retirement planning, career planning, money management and budgeting, taxes, consumer credit, and purchasing strategies (home, auto, insurance).

2244. Legal Environment of Business (3) (F,S,SS) US system of jurisprudence, sources of law, regulation of business, and principles of tort law, contracts, labor law, and property. Legal aspects of business organization.

3004. Survey of Financial Management (3) (F,S,SS) May not substitute for FINA 3724. May not substitute for any College of Business major requirement. P: ACCT 2101 or 2401; ECON 2113; MATH 2283. Survey from a practical perspective. Includes TVM, capital budgeting techniques, cost of capital, risk and return analysis, leverage, and financial management of a firm.

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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.

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) Registration preference given to declared majors with a minimum 2.5 GPA. P: FINA 3824. Applies 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.

FINA Banked Courses

4584. Real Estate Appraisal II (3)

4864. Life Insurance (3)

FLGC: FOREIGN LANGUAGES, GENERAL

1001. Foreign Language Generic Course I (3) First level of intensive training in the basic skills in reading, writing, speaking and aural understanding of a language not normally offered by the Department of Foreign Languages and Literatures. This course may be used to fulfill the foreign language requirement for the BA degree.

1002. Foreign Language Generic Course II (3) Second level of intensive training in the basic skills in reading, writing, speaking and aural understanding of a language not normally offered by the Department of Foreign Languages and Literatures. This course may be used to fulfill the foreign language requirement for the BA degree.

1003. Foreign Language Generic Course III (3) Third level of intensive training in the basic skills in reading, writing, speaking and aural understanding of a language not normally offered by the Department of Foreign Languages and Literatures. This course may be used to fulfill the foreign language requirement for the BA degree.

1004. Foreign Language Generic Course IV (3) Fourth level of intensive training in the basic skills in reading, writing, speaking and aural understanding of a language not normally offered by the Department of Foreign Languages and Literatures. This course may be used to fulfill the foreign language requirement for the BA degree.

FORL: FOREIGN LANGUAGE

2600. Literature in Translation: The Holocaust (3) (FC: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. Examines and discusses selected literary text and original documents, viewing of films, and meetings with Holocaust survivors.

2620. French Literature in Translation (3) (FC: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) (FC: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) (FC: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) (FC: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) (FC: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) (FC: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) (FC: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) (FC: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.

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) (FC: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) (FC: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.

2108. Culture and Communication (3) P: FREN 1004. Practice in spoken language. Emphasis on developing a practical vocabulary for use in conversations and discussions relating to contemporary French and Francophone culture. Includes use of variety of print and multimedia texts including literature, newspapers, magazines, film, television, and the world wide web.

2330. Review of Grammar (3) 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) (FC: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) (FC: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) (FC: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) (FC:HU) Taught in French. P: FREN 1004. Aspects of major French-speaking cultures of Africa. Reading and discussion of selected texts.

2611. Early Experiences for the Prospective Teacher (1) 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 Superieur.

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) (FC:HU) Taught in French. P: FREN 2330 or consent of dept chair. Develop 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) (FC: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) (FC: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) (FC: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.

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3558. The Francophone World: Colonization to Independence (3) (FC: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) (FC: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) 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: Admission to upper division; 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.

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 (1,1,1) 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)
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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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

GEOG: GEOGRAPHY

1000. Introduction to Geography (3) (F,S,SS) (FC: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 foundations curriculum 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) (FC:SO) Importance of water in natural world. Cultural, economic, and legal issues associated with human uses of water.

2003. Geography of the Global Economy (3) (F,S) (FC:SO) Development of and contemporary issues in global economy from geographical perspective.

2019. Geography of Recreation (3) (F) (FC: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) (FC: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.

2110. World Geography: Less Developed Regions (3) (F,S,SS) (FC: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 foundations curriculum 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 foundations curriculum 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 foundations curriculum 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 foundations curriculum 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 foundations curriculum 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) (FC: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) (FC:SO) Intensive study of US and Canada based on analysis and comparison of regions.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

3047. Western Europe (3) (S) (FC:SO) Brief geographic survey of Europe and detailed regional study of nations located in western Europe.

3049. Latin America (3) (WI*) (FC:SO) Geographical analysis of political, social, economic and cultural transformations in contemporary Latin America.

3050. Africa (3) (WI) (S) (FC: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) (FC:SO) Geographic patterns, economy, population, and role of China, Korea, Japan, India, Pakistan, and Southeast Asia in world affairs.

3055. North Carolina (3) (F) (FC:SO) Physical and cultural survey of NC. Detailed study of geographic regions.

3056. Middle America (3) (FC: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 foundations curriculum social sciences requirement. P: GEOG 2200. Variation in global climates as related to atmospheric circulation patterns and processes.

3250. Environmental Hazards (3) (F) May not count toward foundations curriculum 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.

3400. Quantitative Techniques in Geography (3) (F) May not count toward foundations curriculum 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 foundations curriculum 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 foundations curriculum 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 foundations curriculum 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 foundations curriculum social sciences requirement. P: GEOG 3410 or equivalent. Techniques for spatial referencing via a satellite-based navigation system.

3460. GIS Applications Programming (3) (F) May not count toward foundations curriculum social sciences requirement. P: GEOG 3410; ASIP 2212 or CSCI 1610 or MIS 2223 or consent of instructor. Introduces GIS applications design, development, and deployment. Focuses on custom mapping user interfaces; programmable solutions for spatial data display, analysis and manipulation; and custom GIS applications development.

3510. Physical Meteorology (3) (F) May not count toward foundations curriculum social sciences requirement. P: GEOG 2200 or consent of instructor. Basic principles of atmospheric hydrostatics, thermodynamics, cloud and precipitation processes, and radiative transfer.

3520. Dynamic Meteorology (3) (S) May not count toward foundations curriculum social sciences requirement. P: GEOG 2200 or consent of instructor. 3 lecture hours per week. Basic concepts and techniques of mathematics, thermodynamics, mechanics and fluid dynamics in the study of atmospheric motions and weather systems.

3550. Principles of Synoptic Meteorology (3) (F) P: GEOG 2200; or consent of instructor. Basic concepts of synoptic scale atmospheric phenomena, including upper level waves and mid-latitude weather systems.

4140. Research Methods in Human Geography (3) (S) May not count toward foundations curriculum 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 foundations curriculum 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 foundations curriculum 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 foundations curriculum 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. Earth Surface Processes (3) (WI) (F) May not count toward foundations curriculum social sciences requirement. P: GEOG 2200, 2250; or consent of instructor. Detailed examination of dominant geomorphic processes and sediment dynamics involved in the creation of landforms. Emphasis on laboratory experimentation.

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.

4310. 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.

4315. Geographic Images (3) (F) (FC:SO) Formerly GEOG 3300 Social and cultural images of space, place, and environment as produced and consumed through various media at a variety of scales.

4320. Gender, Economy, and Development (3) (S) May not count toward foundations curriculum 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) (FC: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) (WI*) (FC:SO) Contemporary trends in global restructuring of agro food systems in both industrialized and developing nations.

4335. Geography of Tourism (3) (FC:SO) Traditional and emerging forms of tourism development as they transform economic, social, cultural, and environmental landscapes inside and outside the US.

4340. Introduction to Medical Geography (3) (S) May not count toward foundations curriculum social sciences requirement. P: GEOG 3410 or consent of instructor. Topics range from geographic patterns and processes of disease to locational aspects of health care delivery systems. GIS used to describe and analyze problems in medical geography.

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4345. Human Migration and Global Restructuring (3) (F) Human migration processes associated with political and economic restructuring in different regions of the globe.

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 foundations curriculum 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 foundations curriculum 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 foundations curriculum 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.

4440. Coastal Applications of GIS (3) (F,S) May not count toward foundations curriculum social sciences requirement. P: GEOG 2250, 3410; or consent of instructor. Application of geographic information science to coastal resource management.

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 foundations curriculum social sciences requirement. P: Consent of instructor. Individualized study of selected geographic technique under direct supervision of faculty member.

4510. Meteorological Instruments and Observations (3) (F) May not count toward foundations curriculum social sciences requirement. P: GEOG 2200, 2250; or consent of instructor. 2 lecture and 3 lab hours per week. Basic principles of meteorological instruments and measurement techniques; introduction of data logging, processing, and sources of measurement error; hands-on experience in labs and group field projects.

4520. Boundary Layer Meteorology (3) (S) May not count toward foundations curriculum social sciences requirement. P: GEOG 2200, 2250; or consent of instructor. Structure of atmospheric boundary layers and turbulence, principles of turbulent transport and diffusion processes, their measurements and modeling.

4525. Dynamic Meteorology II (3) (F) P: GEOG 3520; or consent of instructor. Applications of the governing equations of the atmosphere for the study of atmospheric waves, extratropical cyclones, and basic concepts in numerical weather prediction.

4530. Micrometeorology (3) (F) May not count toward foundations curriculum social sciences requirement. P: GEOG 2200, 2250; or consent of instructor. Atmospheric processes at micro and local scales, including exchange processes of momentum, mass and energy, radiation budget and energy balance near the surface, soil temperature and heat transfer, turbulent transport, biosphere-atmosphere interactions, micrometeorological measurement and modeling techniques.

4540. Coastal Storms (3) (F) May not count toward foundations curriculum social sciences requirement. P: GEOG 2200, 2250; or consent of instructor. Basic dynamics, analysis, and forecasting of extratropical and tropical storms; history of storms in the Carolinas and current mitigation plans.

4550. Applied Synoptic Meteorology: Analyses and Forecasting (3) (S) P: GEOG 3550; or conent of instructor. Current techniques in mid-latitude weather analyses and forecasting, including chart analyses, introduction to computer meteorological analyses and visualization, numerical weather prediction, and forecast discussion, development, and evaluation.

4560. Urban Climatology (3) (F) P: GEOG 2200. Impact of urbanization upon atmospheric processes, including energetic balance, precipitation, atmospheric circulation, and pollution.

(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

4570. Hydrometeorology (3) (S) May not count toward foundations curriculum social science requirement. P: GEOG 2200, 2250; or consent of instructor. Theory and observation of atmospheric processes as they relate to surface hydrology. Emphasis on measurement, prediction, and climatology of precipitation, evapotranspiration and associated hydrologic events, such as flooding.

4580. Radar and Satellite Meteorology (3) (S) P: GEOG 2200, 2250; or consent of instructor. History, theory and applications of radar and satellite meteorology, with a focus on techniques of satellite image interpretation and radar data processing applied to severe weather forecasting and climate analysis.

4590. Tropical Meteorology (3) (F) P: GEOG 2200, 2250; or consent of instructor. Tropical atmosphere as a key component of global weather and climate and climate prediction. Examination of the El Niño – Southern Oscillation, the Madden Julian Oscillation, tropical cyclones and monsoons and their associated climate predictability.

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 foundations curriculum social sciences requirement. P: Consent of 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 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 foundations curriculum 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 foundations curriculum social sciences requirement. P: Consent of instructor. Seminar on selected topic.

5393. Seminar in Human Geography (3) May be repeated for up to 6 s.h. Undergraduates May not count toward foundations curriculum social sciences requirement. P: Consent of instructor. Seminar on selected topic in economic-human geography.

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) (FC: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) (FC: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) (FC: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) (FC: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) (FC:SC) Interactions among basic geologic processes, geomorphic features, earth resources, and people whose activities are an expanding and increasingly demanding geological agent.

1800, 1801. Geology of the National Parks (4,0) (FC: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.

3050, 3051. Mineralogy and Petrology I (4,0) (F) 3 lecture and 3 lab hours per week. P: 1000-level GEOL course; RP: CHEM 1150, 1151; GEOL 1500, 1501, or consent of instructor. Systematic approach to hand-specimen study and classification of minerals and igneous, metamorphic, and sedimentary rocks.

3150, 3151. Mineralogy and Petrology II (4,0) (S) 3 lecture and 3 lab hours per week. P: GEOL 3050, 3051; P/C: CHEM 1150, 1151. Crystallographic and chemical properties of minerals and study of chemical and physical processes governing the classification, origin, and occurrence of minerals and rocks.

3200, 3201. Introduction to Field Methods (2,0) (S) 1 lecture and 1 3-hour lab per week. P: GEOL 1600. Introduces standard scientific methods of solving geologic field problems. Techniques include description, sampling, and measurement of geologic processes and sections, and principles of field mapping, utilizing the Brunton compass, aerial photographs, and plane table and alidade.

3300, 3301. Structural Geology (4,0) (F) 3 lectures and 1 3-hour lab per week. P: GEOL 3200, 3201. Structures resulting from tectonic formation of earth's crust and intrusion of molten magma.

4000. Summer Field Course in Geology (6) (SS) Full-time each week for the entire 6-week session. P: GEOL 3050, 3051, 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, 3050, 3051. 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.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

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 3050, 3051. 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. Applies 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 3050, 3051. 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.

5700, 5701. Geohydrology of Drainage Basins (3,0) 2 lectures and 1 3-hour lab per week. P: GEOL 1500, 1501; or consent of instructor. Drainage basin geology and hydrology. Emphasis on quantitative analysis, evaporation, streamflow, and hydrologic parameters of surface water and ground water basins.

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.

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GEOL Banked Courses

1601. Historical Geology Laboratory (1)
2101. Interpretation of Geologic Maps (1)
3000, 3001. Mineralogy (4,0)
3100, 3101. Petrology (4,0)
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)
5750, 5751. Introduction to Engineering Geology (3,0)

GERM: GERMAN

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.

2210. Intermediate German Composition and Conversation I (3) P: GERM 1004 or consent of dept chair. Intensive development of oral skills for use in everyday situations, vocabulary growth, listening comprehension, and correctness in grammar. Practice in task-oriented compositions and comprehensive review of grammatical forms and usage.

2211. Intermediate German Composition and Conversation II (3) P: GERM 1004. Practice in spoken and written language with emphasis on developing students' writing skills and increasing knowledge of contemporary culture. Makes use of variety of print and multimedia texts, including literature, newspaper, magazines, film, television and world wide web.

2300. Introduction to German Literature (3) (FC:HU) P: GERM 1004. Develop reading skills necessary for understanding genre, concepts of literary structure, and criticism through analysis of selected writings.

2420. Culture of the German-Speaking World (3) (FC: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.

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 2210, 2211, 2300, and 2420; 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 2210, 2211, 2300, and 2420; 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) (WI) P: GERM 2210, 2211, 2300 and 2420; or consent of dept chair. Principles of effective writing in German and advanced review of grammar. Emphasis on syntax, forms, and usage.

3340. Civilization of the German-Speaking World (3) (FC:HU) P: GERM 2210 or GERM 2211, 2300, 2420. Survey of cultural development of German-speaking peoples from Germanic tribes to reunification of East and West Germany through reading and discussing significant texts.

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 2210, 2211, 2300 and 2420; 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.

3520. The German-Speaking World from the Beginning to the Nineteenth Century (3) (FC:HU) P: GERM 2210, 2211, 2300 and 2420, or consent of dept chair. Emphasis on literary masterpieces.

3530. The German-Speaking World of the Nineteenth Century (3) (WI) (FC:HU) P: GERM 2210, 2211, 2300 and 2420, or consent of dept chair. Emphasis on literary masterpieces.

3540. The German-Speaking World from 1900 to 1945 (3) (WI*) (FC:HU) P: GERM 2210, 2211, 2300 and 2420, or consent of dept chair. Emphasis on literary masterpieces.

3550. The Contemporary German-Speaking World (3) (WI) (FC:HU) P: GERM 2210, 2211, 2300 and 2420, 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 2210, 2211, 2300 and 2420, 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) 5 lectures per week and 10 lab hours per semester. Includes 10 hours of field experience. May not count toward BA or minor. P: Admission to upper division; 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.

4700. Special Topics in German Studies (3) May be repeated for a maximum of 6 s.h. with change of topic. P: Consent of dept chair. Selected topics relating to the language, literature, culture, or civilization of the German-speaking world. Topics vary.

4880. Internship in German (10) Full-time, semester-long internship. P: Admission to upper division; GERM 2210, 2211, 2420, 3210, 3330; 6 s.h. GERM literature above 2999; 12 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) 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.).

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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.

GERM Banked Courses

1050. Introduction to German Lyric Literature (3)
2100. German Conversation (3)
2220. Modern German Drama in Translation: The Theatre in Protest (3)
3400. German Drama (3)
3500. Nineteenth-Century Prose: The Novella (3)
3600. German Poetry (3)
4100. The Modern German Novel (3)
4319. Teaching Foreign Languages in the Middle Grades (3)
4361. German Literature of the Eighteenth Century (3)
4362. The Classic Period (3)
4363. German Romanticism (ca. 1790-ca.1830) (3)
4387. The Baroque Era (ca. 1600-ca. 1750) (3)

GERO: GERONTOLOGY

2400. Introduction to Gerontology (3) (FC:SO) Same as CDFR 2400; SOCW 2400 May count toward either the SOCI major or minor or foundations curriculum social sciences requirement. Current theory and research from interdisciplinary perspective.

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.

5903. Readings in Aging Studies (3) Same as CDFR 5903; SOCW 5903 May count as 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)
5901, 5902. Readings in Aging Studies (1,2)

GRBK: GREAT BOOKS

2000. Introduction to the Great Books (3) (F) (FC:HU) May be repeated once with a change of topic for a maximum of 6 s.h. Moderated discussion featuring close reading of fundamental works of humanities, arts, and sciences. Students make reasoned arguments in class discussions. Content varies by semester's topic, but typically includes selections from thinkers across the ages whose writings have shaped modern thought.

3001. Great Books of Science (3) May not count toward foundations curriculum requirement. May be repeated once with a change of topic for a maximum of 6 s.h. Founding texts of the origins, development, and implications of science and scientific thought from the Greeks to the present.

4000. Seminar in the Great Books (3) (S) (FC:HU) May be repeated once with a change of topic for a maximum of 6 s.h. P: GRBK 2000 or consent of instructor. Seminar featuring close reading of fundamental works of humanities, arts, and sciences. Students will make reasoned arguments in class discussions. Content will typically include selections from thinkers across the ages whose writings have shaped modern thought.

4999. Thesis in the Great Books (3) (F,S) (WI) (FC:HU) May include supervised readings as appropriate to topic and student. Capstone experience supervised by faculty mentor. Paper or idea from earlier course work developed into complete thesis.

GRK: GREEK

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) (FC: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) (FC: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.

3330. Greek Prose Composition (3) RP: GRK 3001. Advanced instruction in Classical Greek grammar and style through daily translation from English into Classical Greek.

3700. Selected Topics in Ancient Greek (3) P: GRK 3001 or consent of Instructor. May be repeated for a maximum of 6 s.h. with change of topic. Selected topics relating to Classical Greek texts of the literature, culture, or civilization of the ancient Mediterranean world.

4001. Athenian Drama (3) (FC:HU) P: GRK 3002 or consent of instructor. Readings in Ancient Greek from the tragedies of Aeschylus, Sophocles and Euripides, and the comedies of Aristophanes and Menander.

4002. Classical Greek Prose Authors (3) (FC:HU) P: GRK 4001 or consent of instructor. Readings in Ancient Greek oratory, history and philosophy.

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.).

HIED: HISTORY EDUCATION

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.

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; ENED 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) P: Admission to upper division. May not count toward BA major or minor. Materials and basic teaching strategies employed in high school social studies classroom.

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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: HIED 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: HIED 4324. Individualized study of problems or issues related to social studies education.

HIMA: HEALTH INFORMATION MANAGEMENT

2000. Introduction to Health Information Management (2) (F) Introduction to the profession.

3000. Medical Terminology for Health Professionals (2) (F,S,SS) Interdisciplinary study providing solid foundation in medical terminology for effective communication in health care industry. Focus on analyzing, constructing, and defining medical terms. Includes diseases, symptoms, and signs of disease; diagnostic and clinical procedures; and treatment modalities.

3032. Record Documentation Systems (3) (S) P: HIMA major; HIMA 3120. Origin, content, and format of health records across the continuum of care.

3090. Professional Practice Experience I (1) (S) Supervised learning experience. Students expected to provide personal transportation to field site when necessary. P/C: HIMA 3120, 3142. Overview of technical activities in health information services departments to strengthen student's competence in didactic information related to acute care setting.

3113. Applied Medical Sciences I (3) (F) Formerly HIMA 3013 P: BIOL 2130, 2131. First of two-semester sequence. Integrated study of pathophysiology, diagnostic and treatment modalities utilized in clinical medical practice, and pharmacology.

3118. Applied Medical Sciences II (3) (S) Formerly HIMA 3018 P: HIMA 3113. Continuation of HIMA 3113.

3120. Health Care Delivery Systems (3) (F) Formerly HIMA 3020 P: HSMA 2000, P/C: HSMA 3030. Continuum of care in health industry. Historical development and future trends, organizational structure, regulatory and accrediting bodies, multicultural issues, and policy formulation.

3142. Diagnostic and Procedural Coding (3) (S,SS) Formerly HIMA 3041, 3046 P/C: HIMA major; BIOL 2130, 2131; HIMA 3118. Coding of diseases and procedures by *International Classification of Diseases*.

3148. Health Service Coding (3) (F) Formerly HIMA 3048 P: HIMA 3120, 3142. Coding services and procedures by *Healthcare Common Procedural Coding System* and for reimbursement.

4000. Professional Practice Experience II (1) (F) Supervised learning experiences. Students expected to provide personal transportation to field site when necessary. P: HIMA 3090. Continuation of HIMA 3090.

4030. Quality Management in Health Care (3) (S) P: HIMA 3113, 3120; or consent of instructor. Applies quality management principles across continuum of care.

4075. Applied Health Services Research (3) (WI) (F) P: BIOS 1500; HIMA 3120. Develops the skills required to formulate a research question, model, review literature, and write up research results in a health care context. Uses skills acquired in prerequisite statistics course to collect, code, and analyze data.

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.

4138. Health Data Structures (3) (S) Formerly HIMA 3038 P: HIMA 3120. Technical standards for health data structures. Emphasis on knowledge representation and content for computer-based health records systems.

4153. Management of Health Information Services Department (3) (WI) Formerly HIMA 4052, 4057 P: HSMA 3030, 3035, 3050, 4055. Theoretical and practical applications of managerial functions of planning, organizing, and controlling health information services department. Emphasis on solving complex departmental problems.

4160. Concepts in Health Information Technology (3) (F) Formerly HIMA 4060 P: ASIP 2112 or MIS 2223; HIMA 3090. Major concepts of computer hardware, architecture, operating systems, and application software. Introduces data and databases. Reinforces ability to use selected general purpose microcomputer applications.

4165. Health Information Systems (3) (S) Formerly HIMA 4065 P: HIMA 4160. Role of computers in gathering, recording, interpreting, and transmitting health care data. Applies data and database concepts to information systems in health care.

5060. Health Informatics (3) (S) P: Consent of instructor. Informatics in health care delivery systems with focus on the clinical, public health, and consumer aspects.

HIST: HISTORY

1030. World Civilizations to 1500 (3) (WI*) (F,S,SS) (FC:SO) May receive credit for one of HIST 1030, 1552. Evolution of world civilizations from prehistory to 1500.

1031. World Civilizations Since 1500 (3) (WI*) (F,S,SS) (FC: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) (FC: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) (FC: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) (FC: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) (FC: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) (FC: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, World History Since 1500 (3) (S) (FC: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) (FC:SO) History of business in America. Emphasis on evolution of business structure and function.

2222. Western Europe Since 1500 (3) (F) (FC: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) (FC: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) P: 6 s.h. in HIST. Designed for students in the HIED program. Introduction to historical thought and method and varieties and uses of history. May not count toward the "above 2999" HIST major requirement in the BA in history or the BSP in public history. May not count toward the history or public history minor.

3005. Selected Topics in History (3) (WI*) (FC: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.

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3010. Constitutional History of the United States to 1888 (3) (FC:SO) Constitutional development of US from colonial period through Waite Court.

3011. Constitutional History of the United States Since 1888 (3) (FC: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) (FC:SO) Economic development of US since Civil War.

3100. North Carolina History (3) (F,S) (FC:SO) Political, social, and economic developments in NC from colonial era to present.

3110. History of African-Americans (3) (F) (FC: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.

3121. American Military History to 1900 (3) (F) (FC: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) (FC: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) (FC:SO) Variety of women's experience in American history. Role of women in nation's social, economic, political, and cultural development.

3170. History of Native Americans (3) (FC:SO) Historical approach to understanding the socio-economic, political, legal, and cultural changes experienced by Native Americans focusing on the territory that is now the United States.

3200. Diplomatic History of the United States (3) (WI*) (FC:SO) American diplomatic history from 1776 to present. Emphasis on major episodes, policies, and personalities.

3205. History of American Urban Life (3) (FC: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*) (FC: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*) (FC: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) (FC:SO) Rise of sectionalism and events of Civil War and Reconstruction.

3230. The Birth of Modern America, 1865-1892 (3) (WI*) (FC: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) (FC: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*) (FC:SO) US politics and society of 1920s, Great Depression, New Deal, and background and impact of World War II.

(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

3245. The United States Since 1945 (3) (WI*) (F) (FC:SO) Economics, politics, and society of US from Truman years to present.

3260. The United States and the Middle East, 1783 to the Present (3) (FC:SO) History of American interests and involvement in Middle East since 1783.

3300. History of American Rural Life (3) (F) (FC: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) (FC: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.

3350. War and Society (3) (F) (FC:SO) Survey of interrelationship between society and warfare from dawn of civilization to present.

3405. History of Ancient Greece to 146 BC (3) (FC: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) (FC:SO) Examines political, social, and cultural developments in Rome from 753 BC to 476 AD.

3412. A History of Christianity to 1300 (3) (FC: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.

3413. A History of Christianity 1300-present (3) (FC:SO) RP: HIST 3412. Development of Christianity in the Near East and Europe and its spread to the rest of the world.

3414. The Celtic World, 700 BC-1601 AD (3) Institutional and cultural developments of Celtic-speaking polities on the Continent and British Isles until seventeenth century.

3415. The Middle Ages (3) (F) (FC: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) (FC:SO) Political, social, and intellectual transformation that marked beginnings of modern European history.

3430. History of Europe, 1815-1914 (3) (F) (FC: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) (FC:SO) Transformations in European society and institutions from outbreak of first world war to present.

3444. Old Regime and Revolutionary France (3) (FC:SO) RP: HIST 1031. Major themes in politics, society and culture from the "Old Regime" to Napoleon's defeat (1660-1815).

3445. Modern France, 1815-present (3) (FC:SO) RP: HIST 1031 and/or HIST 3444. The history of French culture, politics and society from the defeat of Napoleon to the present day.

3460. Germany, 1790-1914 (3) (FC:SO) RP: HIST 1031. Political, social, economic, and cultural development of Germany from late eighteenth century to World War I. Not open to students who have successfully completed HIST 3450.

3461. Germany Since 1914 (3) (FC:SO) RP: HIST 1031. Political, social, economic, and cultural development of Germany from World War I to the present. Not open to students who have successfully completed HIST 3450.

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3480. Britain to 1688 (3) (FC:SO) Social, political, and cultural development of the British Isles to 1688, with particular emphasis on methods of historical research.

3482. Britain, 1688-1832 (3) (FC:SO) Social, political and cultural development of British Isles from 1688 to 1832, with particular emphasis on historiography.

3484. Britain from 1832 (3) (FC:SO) Social, political and cultural development of British Isles from 1832, with particular emphasis on collective memory.

3551. Medieval Russia, 862-1682 (3) History of Russia from its legendary foundation in 862 to reign of Peter the Great. Emphasis on religious history as well as impact of nationalism on historical writing.

3552. Imperial Russia, 1682-1917 (3) Political, social, cultural and intellectual history of Russia under Romanovs from Peter I to October Revolution.

3553. Soviet Russia, 1917-1991 (3) Politics, society, and ideology of Soviet experiment from October Revolution to collapse of communism.

3610. History of East Asia to 1600 (3) (FC:SO) Contrasting religions, life-styles, and institutions of major civilizations of traditional Asia. Emphasis on China and Japan.

3611. History of East Asia Since 1600 (3) (FC:SO) Main themes of modern Asian history. Emphasis on revolutionary impact of the West on civilizations of China, Japan, and Southeast Asia (including Vietnam).

3615. History of Traditional Japan (3) (FC:SO) Japanese history from ancient times to 1600. Emphasis on foundations of traditional patterns, in politics society, religion, philosophy, and art.

3620. History of Modern Japan (3) (F) (FC:SO) Transformation of Japanese culture under influence of West. Emphasis on causes and consequences of modernization.

3625. Field Study in Japanese Historical Culture (3) (FC:SO) Field study of traditional Japanese culture and history, based in former imperial capital (794-1868) of Japan, Kyoto.

3626. Field Study in Japanese Historical Texts (3) (FC:SO) Field study of traditional Japanese historical texts produced in former imperial capital (794-1868) of Japan, Kyoto.

3627. History of Japanese Buddhism (3) (FC:SO) History of Japanese Buddhism from its introduction in mid-sixth century, through modern times.

3629. History of Traditional China (3) (FC:SO) History of China before 1600, focusing primarily on main forces operative within intellectual history of China, Confucianism, Daoism, Mohism, Legalism, various schools of Buddhism, and Neo-Confucianism.

3630. History of Modern China (3) (FC:SO) Factors responsible for collapse of China's traditional Confucian culture and triumph of communism. Emphasis on role of West in this revolutionary transformation.

3670. History of the Middle East (3) (WI*) (FC:SO) People, land, and religious groups of Middle East. Emphasis on Islam and imperialism.

3710. Introduction to Latin-American History: Colonial Period (3) (WI*) (FC:SO) Establishment and administration of Spanish and Portuguese colonies in New World, 1492-1808.

3711. Introduction to Latin-American History: Since 1808 (3) (WI*) (FC:SO) Wars of Independence. Latin-American nations since independence. Emphasis on growth of republican institutions, social organizations, and economic and cultural developments.

(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

3760. The ABC Powers: Argentina, Brazil, Chile (3) (S02) (FC:SO) Major developments in Republics of Argentina, Brazil, and Chile since independence. Emphasis on conservative-liberal struggle, development of democratic institutions, and economic changes.

3780. Mexico and Central America (3) (WI*) (F) (FC:SO) Major developments in history of Mexico and Central American republics.

3810. History of Africa (3) (WI) (F) (FC:SO) Emphasis on pre-colonial African societies, interactions between African societies and Europeans during colonial era, and African quest for independence.

3820. History of South Africa (3) (WI) (FC:SO) Examination of pre-colonial, colonial, and post-colonial South African history. Emphasis on post-1800 South Africa.

3830. Africa and Islam (3) (WI) (FC:SO) Examination of relationship between Africans and Islam. Emphasis on the impact of Islam on African societies, especially in North, West, and East Africa.

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) (FC: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.

4000. Senior Seminar (3) (WI) P: Declared major in either history or public history, with senior standing or consent of the instructor. Capstone course in undergraduate study of history.

4400. Science and Religion in Europe and America, 1600-1900 (3) Examines debate between intellectuals who believed that scientific discovery and religious faith were compatible and those who did not. Primary and secondary sources.

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.

4445. The European Enlightenments (3) RP: A 3000-level course in history, political science, philosophy and/or classical studies. History and major texts of period and process called Enlightenment, including its critics and legacy in modern history and politics.

4470. The Great War: Experience, Memory and Legacy (3) RP: HIST 1031, HIST 3435. Examines experiences of World War I and its social, cultural and intellectual impact in Europe.

4500. Political Culture and Community in Eighteenth-Century Britain (3) RP: HIST 3480, or 3482 or 3484. Dimensions of British political culture during long eighteenth century, 1688 to 1832.

4531, 4532, 4533. Directed Readings in History (1,2,3) (F,S) (FC:SO) P: Consent of dept chair. Intensive examination of specific field in student's area of interest. May be repeated once with change of topic and permission of the director of undergraduate studies and the department chair.

4550, 4551. Honors (3,3) (F,S) (FC:SO) Independent reading and research program under direction of major area professor.

4610. History of Southeast Asia (3) (FC:SO) Evolution of modern Southeast Asia. Emphasis on transformation of traditional cultures under impact of western colonial rule.

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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.

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) In-depth 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.

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.

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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. Develop 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 seventeenth- 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.

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)
3486. Constitutional History of England (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) (FC:HL) May receive credit for only one: HLTH 1000, 1050. Mental, social, and physical health problems related to man's internal and external environments in technological and leisure-oriented societies.

1050. Health and Service in Modern Society (3) (F,S) (FC:HL) May receive credit for only one: HLTH 1000, 1050. Mental, social, and physical health issues related to our society. Integrates service learning to enhance academic achievement, build citizenship skills and civic engagement related to health issues in our society.

1357. Health, Physical Education, and Recreation in Modern Society (2) P: HLTH 1000 or 1050. Purposes, scope, and employment possibilities in health, physical education, and recreation.

1900. Introduction to Health Professions (3) (F,S) 3 lecture hours per week. Does not meet foundations curriculum requirements for health. Survey of health professions including, process for successful entrance into health professional schools or graduate programs.

2000. Introduction to Health Education (3) (F,S,SS) P: HLTH 1000 or 1050. 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.

2050, 2051. Sexual Health (3,0) (F,S) 2 lecture and 1 seminar hour per week. P: HLTH 1000 or 1050; C for 2050: HLTH 2051; C for 2051: HLTH 2050. Introduces human sexuality from personal health perspective. Topics include reproductive anatomy, sexually transmitted diseases, contraception, sexual response, sexual behavior, and sexual health problems.

(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

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 or 1050. Introduction to teaching of health.

2125, 2126. Safety Education and First Aid (3,0) (F,S,SS) 2 classroom and 2 lab hours per week. P: HLTH 1000 or 1050; 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 or 1050; 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 or 1050. Early, supervised work experience. Planning, implementing, and evaluating health education programs. Variety of health agencies.

2500. Peer Health I: Training (3) (F,S) P: HLTH 1000 or 1050 or consent of instructor. Training experience in planning, implementation, evaluation of health education activities for ECU community.

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 or 1050. Theory and practice. Introduction to field.

3010. Health Problems I (3) (F,S,SS) P: BIOL 2130 or 2140; HLTH 1000 or 1050; or consent of instructor. 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.

3011. Introduction to Epidemiology in Health Education and Promotion (3) (F,S,SS) Principles of epidemiology in health education and promotion settings.

3020. Health Problems II (3) (F,S,SS) May receive credit for one of HLTH 3020, 4348. P: HLTH 1000 or 1050; 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 or 1050; 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.

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.

3300. Introduction to Patient Education (3) (F) P: HLTH 3010 or consent of instructor. Theories that apply to the practice of patient education in a variety of health care settings.

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3355. Alcohol, Tobacco, and Other Drugs Education and Prevention (3) (F) ATOD abuse education and prevention theory for use with children and adolescents.

3500, 3501, 3502. Peer Health II: Practical Experience (1, 2, 3) (F,S) P for 3500: HLTH 1000; P for 3501, 3502: HLTH 2500. Peer education experiences/opportunities to apply skills and knowledge learned in HLTH 2500.

3515. AIDS HIV Disease in Modern Society (3) (S) P: HLTH 1000 or 1050 or consent of instructor. Key issues surrounding AIDS epidemic. Focus on social, psychological, political, economic, legal, ethical, and health aspects.

3520. Introduction to Global Health (3) (S) P: HLTH 1000 or 1050; or consent of instructor. An overview of how health problems and issues in other parts of the world compare and contrast with those in the U.S.

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. Develop 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.

4305. Class Management in Health Occupations (3) (F) Strategies for managing behaviors in the health education classroom and related clinical settings.

4323. Methods of Teaching Health Education (3) (F,S) P: Admission to upper division. Theory and application of content and methodologies to be utilized in 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 US with focus on nature of 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 designated instructor as 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 or 2140; NUTR 1000 or 2105; PSYC 1000; or consent of instructor. In-depth study of the health content areas most commonly addressed in health promotion programs. Emphasis on integration of current knowledge in context of contemporary educational strategies.

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 used to greatest extent possible.

(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

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 needs and operations of local sites, student will be assigned individual projects.

4910. Prehealth Professions Internship (6) (F,S,SS) P: Completion of all major requirements or consent of program director. Supervised learning experience in an approved clinical setting.

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 or 1050. 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.

HLTH Banked Courses

3261. Administration of School and Community Health Programs (3)
4290, 4291, 4292. Work Experience in Health Education and Promotion (1,2,3)
4325. First Aid and CPR Instructor (3)
4340. Methods and Content in Health Education (3)
4610. Individual Strategies for Community Health Education (3)
4989. Seminar in Community Health Education Practice (1)
4990. Internship in Worksite Health Promotion (12)
4992. Internship in Community Health Education (12)
5313. School Health Education (3)

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HMGT: HOSPITALITY MANAGEMENT

1350. Introduction to Hospitality Management (3) (F,S,SS) Exploration and analysis of management functions, methods, and concepts in food service and lodging operations.

1500. Multicultural Hospitality Management (3) (F,S) Influences of culture on hospitality organizations and management style. Impacts of diversity of the global hospitality industry. Significance of culture to hospitality labor market issues, legal and political environments, societal work values, communication, and corporate cultures.

2100. Lodging Systems Management I (3) (F,S) P: HMGT 1350 Lodging operations management, systems analysis, and design.

2110. Principles of Food Preparation (2) (F,S,SS) C: HMGT 2111. Scientific principles involved in food preparation.

2111. Principles of Food Preparation Laboratory (1) (F,S,SS) C: HMGT 2110. Applied foods methods and principles in preparation and evaluation of standard food products.

2200. Introduction to Conventions and Special Events (3) (F,S) P: HMGT 1350. Introduction to meetings, expositions, events, and conventions industry.

2591. Field Experience in Hospitality Management I (3) (F,S,SS) P: Sophomore standing; hospitality management major or minor; HMGT 1350, 2110. Supervised, on-site experience in lodging housekeeping and maintenance and restaurant food production operations.

3110. Introduction to Quantity Food Management (3) (F,S) P: HMGT 2110, 2111. Planning and organizing for service operation management.

3200. Dimensions of Tourism (3) (F) P: HMGT 1350. Survey of travel and tourism industry. Emphasis on concepts, terminology, demographics, trends, and financial and economic implications of tourism dynamics.

3294. Hospitality Information Systems (3) (F,S) P: MIS 2223, HMGT 1350. Review of hospitality management information systems, including property management systems, point of sale systems, yield management systems, and managerial decision making aids. Use and impact of industry-specific applications.

3393. Purchasing for Food Service Operations (3) (F,S) P: HMGT 3110. Purchasing systems for food service operations. Characteristics of products and controls.

3600. Lodging Systems Management II (3) (F,S) P: ACCT 2101; HMGT 2100. Systems analysis, design, and application for hotel accounting systems, security, and housekeeping management.

3750. Hospitality Facilities Management (3) (F,S) P: HMGT 3600. Operation of hospitality facilities, including operating costs, characteristics of major building systems, responsibilities of the engineering-maintenance department, and renovation needs.

3832. Hospitality Franchising and Entrepreneurship (3) (F,S) P: MKTG 3832, MGMT 3202. Principles and processes of franchising and entrepreneurship in hospitality. Start up of hospitality business ventures as franchise or independent units, including acquiring an existing franchise or hospitality business.

3990. Field Experience in Lodging (3) (WI) (F,S,SS) P: HMGT 2591, 3750; minimum cumulative 2.0 GPA; consent of instructor. Supervised experience designed to develop management skills in lodging operations.

3991. Field Experience in Food Service (3) (WI) (F,S,SS) P: HMGT 2591, 4110, 4111; minimum cumulative 2.0 GPA; consent of instructor. Supervised experience designed to develop management skills in foodservice operations.

3992. Field Experience in Conventions and Special Events Management (3) (WI) (F,S,SS) P: HMGT 2591, 3200; minimum cumulative 2.0 GPA; consent of instructor. Supervised experience designed to develop management skills in conventions and special events.

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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

4110. Quantity Food Production and Service Management (3) (F,S,SS) P: HMGT 3110; NUTR 3350 or HMGT 2591; C: HMGT 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: HMGT 4110. Restaurant operation and meal service practice.

4120. Wine and Beverage Management (1) (F,S) P: HMGT 4110, 4111. Review of alcoholic and non-alcoholic beverages. Management of bartending, cocktail and sommelier service, and cost control emphasizing social responsibility, liability, safety and security, and legal issues.

4170. Hospitality Services Management (3) (F,S) P: HMGT 4110, 4111. Customer behavior, expectations, and perceptions and managing hospitality service quality. Application of GAPS Model of Service Quality to hospitality management. Strategies for closing critical service gaps.

4200. Travel and Tourism Management (3) (S) P: HMGT 3200. Explores domestic and international tourism, including social science, economic, cultural, and environmental components of effects of tourism.

4244. Hospitality Law (3) (F,S) P: FINA 2244; HMGT 2591. 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: NUTR 3350 or HMGT 2591. Techniques for analyzing and controlling products and costs. Emphasis on purchasing systems for foodservice operations.

4400. Convention Services Management (3) P: HMGT 3600. Scope and segmentation of the convention and group business market. Marketing and sales strategies to attract markets with specific needs. Techniques to meet those needs as part of meeting and convention service.

4440. Hospitality Marketing (3) (F,S) P: MKTG 3832; HMGT 2591. Applies marketing principles to hospitality products and services.

4450. Hospitality and Dietetics Human Resource Management (3) (WI) (S,SS) P: MKTG 3832, HMGT 2591 or NUTR 3350. Integration and applications of human resource management and ethical principles through case studies of food service, beverage, and lodging operations.

4650. Hospitality Financial Management (3) (F,S) P: HMGT 3600, FINA 3004. Management systems and techniques used to monitor and control finances and costs in the hospitality industry.

4700. Hospitality Management Current Issues Seminar (3) (F,S) P: Senior standing; HMGT major. Capstone course to address current issues in hospitality management.

4900. Independent Study in Lodging (3) (F,S,SS) Problems in lodging management.

4901. Independent Study in Food Service (3) (F,S,SS) Problems in food service management.

4902. Independent Study in Conventions and Special Events (3) (F,S,SS) Problems in conventions and special events.

4995. E-commerce in Hospitality Management (3) (F, S) P: MIS 2223; MKTG 3832; HMGT 1350. Management and marketing of hospitality on the Internet. Security and integrity of data traffic. Planning, designing, and evaluating hospitality related web sites.

HMGT Banked Courses

4208. Food and Beverage Management (2)
4209. Food and Beverage Management Laboratory (1)
5351. Food Service Production Systems (2)

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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) (FC: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) (FC: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) (FC: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) (FC: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) (WI) (FC:SC) Accompanies HNRS 2014 when considered appropriate by science department offering the seminar.

2116. Interdisciplinary Honors Seminar (3) (WI) (FC: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) (FC: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) (FC: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) (FC: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."

3011. Honors Seminar in the Humanities (3) (WI) (FC:HU) May be repeated for maximum of 6 s.h. with change of topic. Topic varies by semester. Examples include "The Literature of Fyodor Dostoevsky," "Literature and Medicine," "A Bi-Gender Reading of Jewish-American Literature," and "The World as seen by Nobel Prize Winners in Literature."

3012. Honors Seminar in the Fine Arts (3) (WI) (FC:FA) May be repeated for maximum of 6 s.h. with change of topic. Topic varies by semester. Examples include "African-American Women Artists," "The Great Museums of Europe and their Treasures," "The Ethnic Music of Eastern Europe," and "The Theatre of the Absurd."

3013. Honors Seminar in the Social Sciences (3) (WI) (FC:SO) May be repeated for maximum of 6 s.h. with change of topic. Topic varies by semester. Examples include "Intimate Violence: Out of the Shadows," "The Islamic World," "South Africa: Transition from Apartheid to Democracy," and "Terrorism and September 11."

3014. Honors Seminar in the Sciences (3) (WI) (FC:SC) May be repeated for maximum of 6 s.h. with change of topic. Topic varies by semester. Examples include "Integrating Science and the Arts," "Science and Religion," "Disease and Animal Populations," and "How Things Work-Physics and Chemistry in Our Daily Lives."

3015. Honors Science Laboratory (1) (WI) (FC:SC) Accompanies HNRS 3014 when considered appropriate by science department offering the seminar.

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.

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.

2501, 2502, 2503, 2504, 2505. Allied Health Practice (1,2,3,4,5) (F,S,SS) May transfer a maximum of 6 courses for a total of 30 s.h. P: Current and valid applicable credential, license, or registration; consent of advisor and dept chair. Equivalency credit for technical courses or clinical rotations completed in a regionally accredited, associate degree program for allied health technicians or therapist assistants.

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 (3) (F) (WI) P: MATH 2228 or equivalent. Introduction. Develop skills for critique of research literature and articulation between statistical/analytical methods and research designs. Beginning competence in research process.

5000. Seminar in Human Sexual Dysfunctions (3) Explores 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.

HSMA: HEALTH SERVICES MANAGEMENT

2000. Professional Roles and Environments in Health Care (3) (F,S,SS) Examines interdisciplinary professional roles and environments in health care. Orientation to HSMA academic program and its role in career development.

3020. Health Care Payment Systems (3) (S) P: HSMA 2000; P/C: HIMA 3120; HSMA 3030, 3035. Overview of payment systems in health care across the continuum of care.

3025. Professional Ethical Codes and Law in Health Care (3) (F) P: HSMA 2000; P/C: HSMA 3030; or consent of instructor. Ethical codes in allied health professions. Laws and regulations that apply to health care.

3030. Written Communication and Documentation in Health Care (4) (WI) (F) P and accepted major: HSMA 2000. Principles and models of documentation in health care.

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3035. Interpersonal Team Skills for Health Care Supervisors and Practitioners (3) (S) P: HSMA 2000; P/C: HSMA 3030. Focus on interpersonal skills for effective supervision and clinical practice in health care, especially within health care team, committees, and oversight entities. Requires oral presentations.

3050. Leadership in Health Care (3) (F) P/C: HSMA 3030. Theory and application of basic organizational development, organizational structure and norms, change management, and strategic planning within health care organizations.

4010. Health Information Management (3) (F) P: HIMA 3120; HSMA 3035. Introduces health information from perspective of control and management of information resources. Includes strategic information systems with emphasis on collection, organization, and interpretation of information for planning and evaluating of health care services.

4015. Health Care Records and Data: Maintenance and Analysis (3) (S) P: HSMA 3025. Examines advanced methods of storage, retrieval, transmission, and security of data from perspective of longitudinal health records.

4020. Health Care Reimbursement: Public (3) (F) P: HSMA 3020. Examines approaches of public payers to health care services reimbursement and cost containment.

4025. Health Care Reimbursement: Private (3) (S) P: HSMA 3020. Examines approaches of private payers to health care services reimbursement and cost containment.

4028. Health Care Reimbursement: Policy and Research (3) (S) P: HSMA 3020. Survey of national policies and research with development of framework for analysis.

4050. Personnel Management and Supervision in Health Care (3) (F) P: HIMA 3120; HSMA 3035; or consent of instructor. Managerial theory and application, including management styles, personnel records and management, staff development, work re-design, ergonomics, and departmental performance assessment.

4055. Health Care Finance and Accounting (3) (F,SS) P: HIMA 3120; HSMA 3035. Overview of departmental financial management and accounting functions as applied to health care environments. Includes inventory control, budgeting, cost analysis, resource allocation, capital expenditures, and financial forecasting.

4056. Marketing Health Care Services (3) (S) P: HIMA 3120; HSMA 3035; or consent of instructor. Entrepreneurship and marketing services. Includes market assessment, strategic planning, designs, financial analyses, contracts, and outcomes management.

4070. Outcomes Assessment and Management in Health Care (3) (F,S) P: HIMA 3120; HSMA 3035. Survey of outcomes research that includes methods, cost effectiveness, measurement, decision support, quality of life, and improvement management.

4075. Managed Care in Health Systems (3) (FS) P: HIMA 3120; HSMA 3035. Models of managed care systems in health care delivery. Includes designs, outcomes management, history and future trends, and impact on US health care delivery and policy.

4081, 4082, 4083. Advanced Topics in Health Care Management and Service Delivery (1,2,3) (S) May be repeated for credit with consent of instructor and dept chair. P: HIMA 3120; HSMA 3035; consent of instructor, advisor, or dept. chair. Directed research with written and oral presentations on advanced topic, emerging trend, or new system in health care delivery.

4903, 4904, 4905, 4906. Allied Health Management Experience (3,4,5,6) (WI*) (S) Supervised learning experiences. Students expected to provide personal transportation to field site when necessary. P: Senior standing, consent of advisor, and within 15 s.h. of completing degree program. Workplace experience or credit by portfolio to include specific project, cooperative practicum, professional shadowing, or individual topic of study relevant to allied health management that is reported orally and in writing.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

ICEE: INTEGRATED COLLABORATIVE ENGINEERING ENVIRONMENT CORE

1002. Fundamentals of Engineering Practice (5) (F,S) 5 lecture hours per week. P: Consent of instructor. Introduction to the engineering profession. Topics include mathematical modeling, functions and graphs, trigonometry, vector geometry, systems of equations and analytical geometry.

1010. Integrated Collaborative Engineering I (6) (F) 4 lecture and 4 lab hours per week. C: MATH 1083. Introduces engineering profession and basic tools and concepts of engineering. Team taught, providing immersive and hands-on experience in engineering practice areas, including graphics, professional practice, environmental issues, systems thinking, and basic concepts in machinery, controls, digital circuits, and data analysis.

1012. Engineering Graphics (2) (S) 1 lecture and 2 lab hours per week. C: MATH 1083 or higher. Engineering graphics in a professional engineering context, including sketching and working drawings, multiple views, sections, solid modeling software, drawing standards, tolerancing, and dimensioning.

1014. Introduction to Engineering (3) (F) 1 lecture and 4 lab hours per week. C: MATH 1083 or higher. Engineering profession and basic tools and concepts of engineering, providing immersive and hands-on experience in engineering practice areas, including professional practice, systems thinking, and basics concepts in machinery, controls, digital circuits, and data analysis.

1020. Integrated Collaborative Engineering II (6) (S) 4 lecture and 4 lab hours per week. P: ICEE 1010. C: MATH 2151. Basic engineering concepts of project analysis and business planning for engineering entrepreneurship. Tools of design analysis involving static forces, stress, shear, torsion and moments. Lab covers use of spreadsheets to evaluate engineering alternatives and mathematical analytical software plus analysis of engineering materials, including tests of stress, fastening methods, and fabrication.

2010. Integrated Collaborative Engineering III (4) (F) 3 lecture and 2 lab hours per week. P: ICEE 1020. C: MATH 2151; PHYS 2350. Covers advanced topics in engineering fundamentals in particle and rigid body dynamics. Lab covers applications of engineering software to analyze engineering problems.

2020. Integrated Collaborative Engineering IV (4) (S) 3 lecture and 2 lab hours per week. P: ICEE 2010. C: PHYS 2360. Covers advanced engineering fundamentals, analysis, and design of electrical circuits including amplification, resonance, and three phase power distribution. Lab covers design of electrical circuits, including use of electrical instrumentation.

2022. Statics (3) (S) 3 lecture hours per week. P: PHYS 2350. Analysis of equilibrium of particles, addition and resolution of forces, equivalent system of forces, equilibrium of rigid bodies, centroid and moment of inertia, structural analysis, internal forces, friction, and virtual work.

2050. Computer Applications in Engineering (3) (S) 2 lecture and 2 lab hours per week. P: ICEE 1012. Application of modern programming tools and languages to solve engineering problems.

2070. Materials and Processes (3) (S) 3 lecture hours per week. P: CHEM 1510, 1511. Study of the materials used in engineering and related manufacturing processes. Materials topics include the atomic structure of materials, alloys, phase diagrams, and heat treatment. Manufacturing processes include casting, forming, machining, and joining processes.

3004. Dynamics (3) (F) 2 lecture hours and 2 lab hours per week. P: ICEE 2022; MATH 2153. Fundamental topics in particle and rigid body dynamics. Planar kinematics of a particle. Planar kinetics of a particle: force and acceleration, work and energy, and impulse and momentum. Planar kinematics of a rigid body.

3010. Engineering Systems and Problems Solutions (3) (F) P: ICEE 2020. Explores systems approach to design, analysis, and engineering of thermal and fluid systems using mathematical and software tools.

3012. Thermal and Fluid Systems (4) (S) 3 lecture and 2 lab hours per week. P: ICEE 3004. Explores systems approach to design, analysis, and engineering of thermal and fluid systems using mathematical and software tools.

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3014. Circuit Analysis (3) (F) 2 hours lecture and 2 hours lab per week. P: MATH 2154; PHYS 2360. Electrical and electronic engineering concepts, theory, and methods. Includes electric circuit analysis, electro mechanics, and electrical instrumentation systems.

3020. Information Systems Engineering (3) (S) P: ICEE 3010. Fundamental knowledge of information systems, including formal systems and models. Use of data, information, and knowledge in organizations, information lifecycle; collection, storage, processing, retrieval, delivery; and overview of the various components of an information infrastructure. Includes computing platforms, software architectures, and telecommunications networks. Introduces integration and acquisition of information for decision-making using information technology.

3024. Mechanics of Materials (3) (WI) (F) 2 hours lecture and 2 hours lab per week. P: ICEE 2020, 2070. Behavior of deformable bodies subjected to axial loading, torsion, and bending. Includes stress-strain relations, elastic deflections of beams, effects of combined loading, buckling of slender columns, and failure criteria for ductile and brittle materials.

3050. Sensors, Measurement, and Controls (3) (S) 2 hours lecture and 2 hours lab per week. P: ICEE 3014. Fundamental concepts of measurement and instrumentation at the system level. Measurement systems cover non-electrical parameters measurement, data acquisition, and signal conditioning. Controls systems cover application of mathematical and analytical tools to model, analyze, and design automated feedback control systems for dynamic processes.

3060. System Optimization (3) (F) P: MATH 3100, 3307. Introduces mathematical tools applied to system optimization, including problem formulation, identification of decision variables, use of graphical methods, linear programming, concepts of duality, and sensitivity analysis. Applications include transportation, network analysis, project management and other engineering areas.

3100. Internship in Engineering (1) (WI) (F, S, SS) P: Consent of instructor. Minimum of 150 hours of supervised work or project experience in engineering. May include industry or service learning activities and be repeated for credit as a technical elective.

3300. Introduction to Engineering Project Management (3) (F) 3 lecture hours per week. P: ENGL 1200; ICEE 1014. System needs and analysis identification, functional requirements analysis, project timelines, network analysis, and system development progress metrics.

3400. Engineering Economics (3) (WI) (S) 3 lecture hours per week. P: MATH 3307. Analysis of cash flows including cost, revenue, and benefits that occur at different times. Evaluation of engineering projects using equivalent worth, benefit-cost, and rate of return including impact of depreciation, taxes, and statistical risk.

3901, 3902, 3903. Undergraduate Research in Engineering (1,2,3) (F,S) P: Consent of instructor and chair. May be repeated for credit as a technical elective. Study of an experimental or theoretical area involving engineering analysis and design. Demonstrates depth of analysis and study beyond scope of existing courses.

4000. Quality Systems Design (3) (S) 3 lecture hours per week. P: MATH 3307. Analytical procedures associated with Statistical Quality and Process Control. Includes design of experiments, and system approaches to maintenance and improvement of process quality.

4010. Senior Capstone Design Project I (2) (WI) (F) 1 lecture and 2 lab hours per week. P: Consent of instructor. Senior capstone course involves open-ended design project, exposing students to practice of engineering design and problem solving. Emphasis on real problems and working with real clients. Students required to visit facilities, interact with client employees, determine on-site data measurement strategies, and perform any necessary literature search. Develop proposal for project to be performed in ICEE 4020.

4020. Senior Capstone Design Project II (2) (WI) (S) P: ICEE 4010. Senior capstone course involves open-ended design project, exposing students to practice of engineering design and problem solving. Emphasis on real problems and working with real clients. Students required to visit facilities, interact with client employees, determine on-site data measurement strategies and perform any necessary literature search. Perform and complete project proposed in ICEE 4010.

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4501, 4502, 4503. Special Topics in Engineering (1,2,3) (F,S) P: Consent of instructor. May be repeated for credit as a technical elective. Course builds upon knowledge gained from the core engineering or specialization curriculum. Topics typically focus on advanced or emerging area, which will equip graduates with specialized knowledge to improve performance in analysis, synthesis, and design.

ICTN: INFORMATION AND COMPUTER TECHNOLOGY

1500, 1501. PC Hardware (3,0) (F,S) Must be taken concurrently. 2 lecture and 2 lab hours per week. Hardware components of PCs and BIOS and operating system options needed to support those components. Topics include interface standards, component configuration, and troubleshooting.

2000. Introduction to Telecommunications (3) (F) Includes computer networking. Broad view of technology and application in information technology industry.

2154, 2155. Digital Communication Systems (3,0) (F,S) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: ICTN 1500; RP/C:ICTN 2000. Introduces local-area and wide-area networks. Provides basic understanding of network concepts and router programming.

2158, 2159. Computer Networking Technology (3,0) (F,S) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: ICTN 2154. Advanced study of local-area and wide-area networks. Develops competence in designing and implementing enterprise-wide campus network using routers and switches.

2510, 2511. Network Environment I (3,0) (F) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: ICTN 1500. Network management using various NOS products. Topics include NOS setup, network resource management, user and group management, and security model.

2530, 2531. Network Environment II (3,0) (F,S) Formerly ICTN 3530, 3501 Must be taken concurrently. 2 lecture and 2 lab hours per week. P: ICTN 1500. Network management using various products such as Linux and Solaris, including NOS setup, network resource management, user and group management, and security model.

2732. Scripting for Information Technology (3) (S) P: ITEC 2000; P/C: ICTN 2530. Introduction of scripting for information technology applications.

2900,2901. Fundamental Network Security (3,0) (F) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: ICTN 2154. Computer network and information security principles, devices, and applications.

3250, 3251. Internetwork Routing Technology (3,0) (F) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: Current CCNA certification. Advanced network routing technology in industry. Topics include routing protocols and technology, network performance consideration, and traffic control over LAN and WAN.

3540, 3541. Network Environment III (3,0) (F) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: 2530. Enterprise system administration using mixed vendor network operating systems, such as Linux and Microsoft. Topics include integrating networking services such as network file systems, enterprise printing administration, remote administration, and host and network security issues.

3900, 3901. Web Services Management (3,0) (F) 2 lecture and 2 lab hours per week. P: ICTN 2510, 2530. 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.

4000. Network Internship (3) (F,S,SS) Minimum of 120 contact hours at internship site. P: Junior standing; ICTN major. 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.

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4010, 4011. User Application Management and Emerging Technologies (3,0) (F) 2 lecture and 2 lab hours per week. P: ICTN 2530. 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.

4020. Senior Information and Computer Technology Capstone Design Project I (1) (WI) (F) 1 lecture hour per week. P: Senior standing, IDIS 3790, ITEC 3290, 3300; ICTN major. Open-ended design project, exposing students to practice of information and computer technology. Development of proposal for ICTN 4022 project.

4022. Senior Information and Computer Technology Capstone Design Project II (2) (WI) (S) 2 lecture hours per week. P: ICTN 4020. Open-ended design project, exposing students to practice of information and computer technology. Completion of project proposed in ICTN 4020.

4040. Communication Security (3) (S) P: Senior standing and ICTN 2154, 2530. 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.

4064. Regulations and Policies (3) (S) P/C: FINA 2244; P: ICTN 2000, 2530. Government and industry regulations and policies applied to information technology industry. Broad view of impact and effectiveness of regulations and policies.

4150, 4151. Switching Network Technology (3,0) (F) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: Current CCNA certification. Concepts and technology used to interconnect multiple LANs. Covers advanced switching technology and applications.

4200, 4201. Intrusion Detection Technologies (3,0) (F) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: ICTN 2530, 2900. Computer network intrusion detection principles, devices, and applications.

4250, 4251. Enterprise Network Technology (3,0) (S) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: Current CCNA certification. 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 training, and corporate policies.

4501, 4503, 4505. Laboratory Problems (1,2,3) 2 lab hours per week for 4501; 4 lab hours per week for 4503, 6 lab hours per week for 4505. May be repeated for credit with consent of dept chair. P: Consent of instructor. Independent study of concepts, processes, tools, and/or materials in the field of Information and Computer Technology.

4592, 4593. Optimizing Converged Networks (3,0) (S) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: Current CCNA certification. Optimizing and providing effective QoS techniques for converged networks, including implementing a VoIP network, QoS, wireless security, and basic wireless management.

4600, 4601. Enterprise Information Technology Management (3,0) (S) P: ICTN 2154, 2540. Capstone course with case studies on various issues about enterprise IT management. Students work on projects that address these issues.

4800, 4801. Information Assurance Technologies (3,0) (F) Must be taken concurrently. 2 lecture and 2 lab hours per week. P: ICTN 2530, 2900. Information assurance principles, devices, and applications. Emphasis on problems relating to systems of varied operations system technologies and computer networking technologies.

ICTN Banked Courses

3010. Data Communications (4)
3020. Computer Networks (4)
3058, 3059. Electronic Communication Systems (3,0)
3520. Wireless Communications (4)
4054, 4055 Integrated Network Services (3,0)

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IDIS: INDUSTRIAL DISTRIBUTION AND LOGISTICS

2771. Introduction to Distribution and Logistics (3) (F,S) Overview of all aspects of the Distribution and Logistics industry. Includes sales and marketing techniques, supply chain issues, inventory control methods and case studies.

3780, 3781. Warehousing and Materials Handling (3,0) (F,S) 2 lecture and 2 lab hours per week. P: IDIS 2771. Warehousing operations and management, logistics, control, productivity, and analytical tools and techniques used to analyze and solve problems related to warehouse profitability.

3785. Global Logistics (3) (F) P: IDIS 2771, 3815. Evaluation of the complexities of the international environment and logistical infrastructure on supply chain performance. Covers inbound and outbound logistics including sourcing, inventory control, packaging, 3PL, shipping, warehousing, distribution, Incoterms, documentation, customs, and global entry strategy.

3790. Technical Presentations (3) (F,S) P: ITEC 2000 or MIS 2223. Investigation and utilization of tools, techniques, and technical systems for transmitting information related to problems and issues of contemporary industry.

3795, 3796. Distributor Sales and Branch Management (3,0) (F,S) 2 lecture and 2 lab hours per week. P: IDIS 2771. Role of the industrial distributor salesperson in the supply chain. Discussion of branch management issues are also analyzed. SME Distributor Sales Certification Test required.

3800. Transportation Logistics (3) (S) P: IDIS 2771. Comprehensive examination of critical issues involved in domestic and international transportation, including logistical network design, third party selection, transportation regulations, shipment planning, and routing and scheduling.

3805. Purchasing Logistics (3) (F,S) P: IDIS 2771. Comprehensive examination of the critical role of purchasing in supporting logistics strategy. Topics include supplier selection, product delivery, inventory management, application of technology, financial impact of purchasing, cost analysis, purchasing of transportation services, and negotiations.

3815. Supply Chain Logistics (3) (F,S) P: IDIS 2771. Evaluates supply chain and its effects in logistics. Covers concepts and strategies used to design and manage supply chain, and explains relationship proper supply chain management has between industrial sales and logistics.

3825. Strategic Pricing for Distributors (3) (F) P: ACCT 2101; IDIS 2771. Examination of pricing in the distribution industry and pricing strategy as a competitive advantage. Covers breakeven cost analysis, value-based pricing, life-cycle pricing, segmented pricing, dynamic pricing, and channel strategy.

3830. ERP Systems for Distributors (3) (F,S) P: IDIS 3780, 3781, 3815. Provides in-depth understanding of Enterprise Resource Planning, as well as application of case studies and exercises of an ERP software information system as it relates to the supply chain, distribution and logistics.

3835. Security and Risk Analysis for Distributors (3) (S) P: IDIS 3815. Logistical issues involving laws and regulations internationally and in the United States. Includes safety and security issues involved in logistics. Risk assessment techniques and issues are also explored.

4502. Laboratory Problems: Industrial Distribution (3) (F,S) P: Consent of instructor. Independent study of industrial distribution systems, processes, and concepts.

4504. Independent Study: Industrial Distribution (3) (F,S) P: Consent of instructor. Research-oriented problem solving with tools, materials, and processes of industrial distribution field.

4800. Distribution and Logistics Capstone (3) (F,S) P: Junior standing; IDIS 3790, ITEC 3290, 3300; IDIS major. Capstone course involving a design project exposing students to the practice of distribution and logistics. Minimum of 240 hours of supervised, full-or-part-time work experience required.

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4802. Distribution Research (3) (F,S) P: IDIS 4800; senior standing. Capstone course for all industrial distribution seniors. Application of new and innovative technologies used in industrial technology, industrial distribution, and logistics fields.

IDIS Banked Courses

IDIS 2770. The Industrial Distributor: Purpose and Functions (3)

IDIS 2775. Blueprint Reading and Sketching (3)

IDSN: INTERIOR DESIGN

1180. Interior Design Fundamentals (3) Formerly IDMR 1180 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 (3) Formerly IDMR 1181 6 lab hours per week. C: IDSN 1180. Application of elements and principles of design as they affect environment.

1281. Interior Design Graphics (3) 6 lab hours per week. P: IDSN 1180, 1181. Basic skills and theory of manual graphics. Application of visual communication techniques in interior design.

1500. Color in Interiors: Theory and Application (3) Formerly IDMR 1500 6 lab hours per week. P: IDSN 1180, 1181. Intermediate study of color in interior design. Emphasis on color theories and systems, color interaction, psychological effects of color, and practical applications.

2040. Textiles for Interiors (3) Formerly IDMR 2040 P: Merchandising majors; C: MRCH 2035. Textile products and fabrics for interiors. Emphasis on selection, performance, and care of interior textiles.

2700. Historic Interiors I: 3000 BC Through Mid-Nineteenth Century (3) (WI) Formerly IDMR 2700 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) Formerly IDMR 2750 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 (3) Formerly IDMR 2501 6 lab hours per week. P: IDSN 1281, 1500. Understanding of volumetric spatial solutions expressed through traditional design drafting, model making and various graphic presentation techniques. Fundamentals of residential building structures and systems. Introduction to programming interior space through needs assessments, and adjaceny requirements. Implications of social, cultural and psychological influences on function, aesthetics and space planning of interior spaces. Application and analysis of graphic presentation techniques in communicating spatial planning, systems, and design.

2850. Interior Design II: Commercial Design (3) Formerly IDMR 2601 6 lab hours per week. P: IDSN 2800. 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) (3003:WI) Formerly IDMR 3001, 3002, 3003 May be repeated for credit with change of topic. P: Consent of instructor; may vary by topic offered. Special topics in selected areas of interior design. Variable titles, content, and hours.

3550. Materials and Specifications for Interior Design (3) Formerly IDMR 3550 P: IDSN 2040; junior standing; IDMR majors. Building materials and interior finishes. Emphasis on product knowledge, application, maintenance, and specification 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

3600. Interior Design III: Systems (3) Formerly IDMR 3600 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) Formerly IDMR 3650 1 lecture and 4 lab hours per week. P: IDSN 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) Formerly IDMR 3700 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.

3999. Professional Procedures in Interior Design (2) Formerly IDMR 3999 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: Interior Design (1,2,3) Formerly IDMR 4001, 4002, 4003 P: Junior standing. Problems in interior design.

4500, 4501. Interior Design IV and Laboratory: Universal Design (1,2) Formerly IDMR 4500, 4501 1 classroom and 4 lab hours per week P: IDSN 3600, 3700; DESN 3030; C for 4500: IDSN 4501; C for 4501: IDSN 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) Formerly IDMR 4600, 4601 1 classroom and 4 lab hours per week. P: IDSN 3600, 3700; C for 4600: IDSN 4601; C for 4601: IDSN 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) Formerly IDMR 4650 P: IDSN 3700; 4500, 4501, or consent of instructor. 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) Formerly IDMR 4700 6 lab hours per week. May be repeated for a maximum 6 s.h. P: IDSN 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) Formerly IDMR 4750 6 lab hours per week. P: IDSN 3600, 3700. Synthesis of interior design knowledge and application to redesign of existing structures for contemporary use.

4880. Interior Design Internship (3) Formerly IDMR 4880 200 work hours. P: IDSN 3999; senior interior design major; consent of instructor. Work experience involving application of interior design knowledge and skills under direction of professional interior designer.

IDSN Banked Courses

2500. Interior Design I: Introduction to Spatial Composition and Design (1)
2600. Interior Design II: Proxemics, Behavior, and Design Process (1)
5387. Interior Lighting Design (3)
5389. Contemporary Interpretation of Period Interiors (3)

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IENG: INDUSTRIAL ENGINEERING TECHNOLOGY

2020, 2021. Materials and Processes Technology (3,0) (WI*) (F,S) P: ITEC 2000 or DSCI 2223. Factors which influence the production and modification of materials into useful forms. Various manufacturing processes and machinery used to convert raw materials into finished products. Hands on experience with materials and processes used in industry.

2076, 2077. Introduction to Computer Numerical Control (CNC) (3,0) (F,S) 2 hours lecture and 2 hours lab per week. P: DESN 2034. Review of fundamental manual programming for numerical control machines. Topics include CNC machine types, controls, safety, and coordinate measuring systems; CNC speed and feed calculations, tooling and fixturing; and programming CNC mills and lathes; computer controlled laser cutting and engraving. Self-paced. Hands-on experience with CNC machines and simulations in virtual reality.

3020, 3021. Robotics in Computer Integrated Manufacturing (3,0) (S) 2 lecture and 2 lab hours per week. P: IENG 2076; ITEC 2090. Students will learn how to build, program, and integrate robots into computer integrated manufacturing (CIM) processes in an hands-on manner.

3300. Plant Layout and Materials Handling (3) (F) P: IENG 2020. Examines integrated plant layout and materials handling approaches. Covers simulation as an analytical tool.

3600. Statics and Strength of Materials (3) (F) P: IENG 2020; MATH 2119. Statics including vectors, moments, equilibrium of structures, centroids and moments of inertia. Strength of materials including basic stresses and deformations; beam diagrams, flexure and shear.

4020. Manufacturing System Planning (3) (F) P: ITEC 3200; MATH 2119. Introduction to manufacturing planning including system concepts such as strategy, product design, learning curves, forecasting, aggregate planning, stochastic inventory control, reliability models, linear programming, and scheduling.

4023. Advanced Manufacturing Systems (3) (S) P: IENG 3300. Design of advanced manufacturing systems through the incorporation of lean manufacturing techniques, value stream mapping, lean business processes, kaizen, visual workplace organization, total productive maintenance, setup reduction, poke yoke, lean accounting and theory of constraints.

4092. Operations Research (3) (S) P: IENG 3300; MATH 2119. Application of operations research models to industrial engineering problems. Linear programming, sensitivity analysis, transportation models, network models, queuing models, dynamic programming, game theory and simulation.

4200. Work Methods and Ergonomics Analysis (3) (S) P: IENG 4020. Work methods and study of work measurement systems. Principles of motion study, work simplification, and work measurement by direct and predetermined motion-time systems.

4401, 4402, 4403. Independent Study: Industrial Engineering Technology (1, 2, 3) P: Consent of instructor. Special topics in selected areas of Industrial Engineering Technology. Exploration and research in personal areas of interest.

4502. Laboratory Problems: Production (3) (F,S) 6 lab hours per week. Independent study of industrial manufacturing systems, processes, and concepts.

4507. Laboratory Problems: Metals (3) 6 lab hours per week. P: IENG 2076. In-depth and independent study of concepts and/or processes of metals, tools, and materials. Emphasis on lab work.

4900. Capstone (3) (F,S) P: Senior standing. Hands-on industrial project. Teams of students will work directly with individual clients or organizations to improve their processes through the implementation of industrial engineering technology principles and tools.

5504. Independent Study: Manufacturing (3) May be repeated for credit with consent of chair. P: Consent of instructor. Research-oriented problem solving with tools, materials, and processes of manufacturing industries.

(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

IENG Banked Courses

2066, 2067. Polymeric Materials (3,0)
2072, 2073. Metals Technology I (3,0)
3072. Metals Technology (3)
4060, 4061. Woods Products 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)

INTL: INTERNATIONAL STUDIES

1000. Introduction to International Studies (3) (F,SS) (FC:SO) Global perspective of major social, economic, geographical, political, and cultural issues affecting men and women. Introduction to INTL minor concentration areas.

1050. Global Understanding (3) (F, S, SS) Virtual exchange with a variety of countries to explore human diversity and the impact of globalization.

2003. Introduction to Chinese Culture (3) (FC: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) (FC: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) (FC: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) (FC: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) (FC: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.

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IPAM: INDIGENOUS PEOPLES OF THE AMERICAS

4000. Indigenous Peoples of the Americas Seminar (3) P: Consent of instructor. Interdisciplinary capstone course required for minors in indigenous peoples of the Americas. Advanced students explore selected aspects of land, culture, arts, prehistory and history of the indigenous peoples of North, Central, and South America.

IRHE: INTERDISCIPLINARY RURAL HEALTH EDUCATION

2000. Introduction to Rural Health Care Teams (3) (WI) May not count toward foundations curriculum requirement. P: HLTH 1000 or consent of instructor. Provides foundation of knowledge about rural health care teams. Develop knowledge and skills for effective communications with patients and health care professionals. Review health issues in rural environments.

2100. Rural Health Immersion (3) (WI) 1 lecture hour per week and 80 hours immersion in rural community sites. P/C: IRHE 2000 or consent of instructor. Intensive immersion experience with rural health care teams; apply knowledge and skills for effective communications with patients and health care professionals; and review health issues in rural environments.

2500. Service Learning in Interdisciplinary Teams (3) (WI) (F, S, SS) 1 lecture hour per week and 48 hours of service throughout the semester. Active, collaborative, inquiry-based learning experiences that meet identified rural community needs.

3100,3101,3102. Independent Study (1,2,3) (3100: WI) P: Permission of instructor. Supervised learning experience of a concentrated community immersion or an individual topic of study which is reported in writing as well as orally. Student responsible for transportation as applicable.

3500. Designing Interdisciplinary Rural Health Environments (3) (WI) (S) Application of knowledge of interdisciplinary rural health teams and rural environments to the design of rural interdisciplinary health care.

ITAL: ITALIAN

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.

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) (FC: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)

(WI)=Writing Intensive; (WI*)=Selected Sections are Writing Intensive
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ITEC: INDUSTRIAL TECHNOLOGY

2000. Industrial Technology Applications of Computer Systems (3) (F,S) Technical and managerial aspects of computer applications and information technology in industry and engineering areas.

2010. Introduction to Industry and Technology (3) (F,S) 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.

2054, 2055. Electricity/Electronics Fundamentals (3,0) (F,S) 2 classroom and 2 lab hours per week. P: MATH 1065 or 1066 or 1085 or 2119. Electronic components and circuits. Study communications and industrial control systems.

2080, 2081. Thermal and Fluid Systems (3, 0) (F,S) P: IENG 2020. Basic elements of design and analysis of thermal and power systems including boilers, air conditioning, refrigeration, pumps, compressions, heat exchanges, and piping systems.

2090, 2091. Electromechanical Systems (3,0) (F,S) P: ITEC 2054. Design and analysis of electromechanical control systems. Includes the fundamentals of programmable controllers as well as practical applications of interfacing mechanical, electrical, pneumatic, and hydraulic systems and components.

3000. Internet Tools Technology (3) (F,S) P: MIS 2223 or ITEC 2000 or equivalent experience. 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.

3200. Introduction to Statistical Process Control (3,0) (F,S) P: MATH 1065 or 1066 or equivalent. Examination of statistical measures, tools, and methods employed to analyze and control variation in industrial processes. Course covers measures of central tendency and variation, frequency distributions and use of variable and attribute control charts.

3290. Technical Writing (3) (WI) (F,S,SS) P: ENGL 1200. Practice in writing about technical problems of significance to student.

3292. Industrial Safety (3) (F,S) Formerly EHST 3292 P: Junior standing. Causes and prevention of occupational accidents and health hazards. Emphasis on organization and operation of safety programs and development of safety consciousness.

3300. Technology Project Management (3) (F,S) (WI) 3 lecture hours per week. P: ENGL 1200; ITEC 2000 or MIS 2223. Systems needs analysis identification, functional requirements analysis, IT project timelines, and system development progress metrics.

3800. Cost and Capital Project Analysis (3) (S) P: MATH 1065. Economic analysis of technology alternatives. Valuation techniques, time value of money, cash flow analysis, cost estimation, taxes and depreciation, operations planning and control, project evaluation, accounting and budgeting tools.

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.

4150. Microbiology for Industrial Processing (3) (F) P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree. Microbiological and cell growth techniques utilized by the bioprocessing, chemical, food, or other industries.

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4250. Engineering for Food Safety and Sanitation (3) (F) P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree. Techniques for the sanitary design of food plants and food plant equipment.

4293. Industrial Supervision (3) (WI) (F) P: Senior standing or approval of instructor. 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) P: ITEC 3200 or MATH 2283. Managerial, statistical, motivational, and technological aspects of quality control as practiced in manufacturing, construction, processing, and service industries.

4350. Separation Techniques for Industrial Processing (3) (S) P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree. Numerous separation techniques utilized by the bioprocessing industry.

4450. Waste Treatment Techniques for Industrial Processing (3) (S) P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree. Waste treatment processes utilized by the bioprocessing, chemical, food, or other industries.

4550. Quality in Regulatory Environment (3) (S) P: Admitted to bioprocess manufacturing concentration within BS industrial technology degree. Quality processes in a regulatory environment utilized by the bioprocessing, chemical, food, or other 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)
3030, 3091. Supervised Work Experience (2)
3291. Technical Writing (0)
3294. Principles of Industrial Training (3)
4290. Job Analysis: Procedures and Applications (3)

JAPN: JAPANESE

1001. Japanese Level I (3) 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. Introduction to Criminal Justice (3) (F,S,SS) Roles, problem areas, and suggested program changes for police and law enforcement, detention services, courts, community correctional services, and correctional institutions.

2525. Law and the Movies (3) (F,S) P: JUST 1000 or consent of instructor. Compares due process model and crime control model in criminal justice system as portrayed in movies.

(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

3003. Addiction, Crime, and the Criminal (3) P: JUST major or minor. Crime relationship to alcohol and drug addiction and abuse.

3004. Crime and Criminality (3) (F,S) Formerly JUST 2000 P: JUST major or minor. 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) (S,SS) P: JUST major or minor. 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) (F) P: JUST major or minor; or forensic science minor. 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) (F,S) P: JUST major or minor. 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) (S) P: JUST major or minor. Role and operation of law enforcement organizations in US. Accountability, legal issues, and community relationships.

3020. Introduction to Forensic Science (3) (F,S,SS) P: JUST major or minor; or forensic science minor. Introduction to and history of key themes in forensic science. Application of science to enforcement of criminal and civil laws.

3021. Forensic Impressions and Markings (3) (F,S,SS) P: JUST major or minor; or forensic science minor. Forensic impressions and markings obtained at crime scenes. Identification, techniques, process and procedure to aid in the recovery of impressions and markings for evidence.

3022. Crime Scene Investigation (3) (F,S,SS) P: JUST major or minor; or forensic science minor. Crime scene safety, evidence photography, hair, fiber and paint samples, document and voice forensics, toxicology, blood and body fluid collection, bloodstain examination.

3101. Conflict Management (3) (F,S) Formerly JUST 3100 P: JUST major or minor. 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 or minor. 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) (F,S) P: JUST or SOCW major or minor; 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) (F,S) P: JUST major or minor. 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.

3502. Correctional Law (3) (WI) (F,S) P: JUST major or minor. 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. Race, Gender and Special Populations in the Criminal Justice System (3) (F,S) P: JUST major or minor. 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.

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3800. Research Methods in Criminal Justice (3) (F,S) P: JUST major or minor. Design, conceptualization, hypothesis formulation, measurement, sampling techniques, data management, and research writing as related to field.

3900. Introductory Statistics for Criminal Justice (3) (F,S) P: JUST major or minor; JUST 3800. Descriptive and inferential statistical techniques for criminal justice research and administration.

4004. Criminal Justice History (3) (S) P: JUST major or minor. Development of major aspects from pre-historic time to present. Past practices in American criminal justice and other societies.

4005. Organized Crime (3) (SS) P: JUST major or minor. 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) (F,SS) P: JUST major or minor. Applies intervention methods within particular community service-delivery constructs.

4200. The Juvenile Justice System (3) (WI) (F,S) P: JUST major or minor. 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 and Management (3) (S) P: JUST major or minor. 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) (F,S,SS) May be repeated for maximum of 3 s.h. P: JUST major or minor. 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) (F,S) To be taken by graduating JUST major or minor. Values, ethics, and major issues of concern to American criminal justice system.

4600. Special Topics in Criminal Justice (3,6) (F,S ,SS) May be repeated for credit with change of topic. P: JUST major or minor. Current topics and developments.

4990. Field Education and Seminar (9) (F,S) 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: JUST major; minimum cumulative 2.0 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)
3009. Corrections Case Management (3)
5000. Comparative Criminal Justice (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.

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.

(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

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) (FC: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) (FC: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.

3330. Latin Prose Composition (3) RP: LATN 3001. Advanced instruction in Latin grammar and style through daily translation from English into Classical Latin prose.

3700. Selected Topics in Latin (3) P: LATN 3001 or consent of Instructor. May be repeated for a maximum of 6 s.h. with change of topic. Selected topics relating to Latin texts of the literature, culture, or civilization of the ancient Mediterranean world.

4001. Silver Age Latin Literature (3) (FC: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) (FC: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.).

LEAD: LEADERSHIP

1000. Introduction to Leadership Studies (3) Survey of leadership theory and practice.

4000. Capstone Seminar in Leadership Studies (3) Interdisciplinary synthesis of leadership theories and concepts and their applicability to leadership in a variety of contexts.

LDVP: LEADERSHIP DEVELOPMENT

3000. Washington Experience (3) (F,S,SS) P: Nomination by student's dean or chair. Seminar, variable topics course taught in Washington D.C. Enrollment limited to students participating in the UNC in Washington Program.

3401, 3402, 3403. Seminar in Leadership Development (1,2,3) (S) P: Nomination by student's dean or 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

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 are 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.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

4950. Literature for Children (3) (WI) (S) May not count toward foundations curriculum 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)

MATE: MATHEMATICS EDUCATION

1267. Functional Relationships (3) (S) P: MATH 1065 or equivalent. Problem-solving approach to study of functions for teachers. Includes polynomial, exponential, logarithmic, logistic, and trigonometric functions from multiple representations, particularly using visual technology and making real-world applications. Applications taken from K-12 mathematics.

2067. Data and Probability Explorations (3) (F,S) P: MATH 1065 or equivalent. Conceptual development and exploration of notions in data analysis and probability for teachers. Collection, organization, representation, and analysis of data from experiments and surveys. Probabilistic analysis for purposes of judging claim and making decisions. Applications taken from K-12 mathematics.

2123. Early Experiences for the Prospective Teacher (1) (F,S) Formerly MATH 2123 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.

2129. Basic Concepts of Mathematics II (2) (F,S,SS) Formerly MATH 2129 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.

2700. Applications in Statistics and Probability (3) (S) P: MATH 1065 or equivalent. Conceptual development, exploration, and applications in statistics and probability for teachers. Study involves the collection, organization, representation, and interpretation of data using a hands-on approach. Emphasis on using technology, including graphics calculators and software. Applications taken from 9-12 mathematics.

2800. Discrete Mathematics: Explorations and Applications (3) (F) P: MATH 1065 or equivalent. Problem-solving study of discrete mathematics for teachers. Topics include sequences, graph theory, counting techniques, dynamical systems, recursion, combinatorics, and mathematical induction. Applications taken from 9-12 mathematics.

3050. Mathematics and Methods for Grades Pre-K-2 (3) (F, S, SS) P: Foundations curriculum mathematics course; C: MATE 3051. Mathematics of the Pre-K-2 classroom including number sense, operations, place value, patterns, shapes, and tools for measurement. Focus on student thinking and tools and strategies for developing thinking. Includes attention to exceptional children in the general mathematics curriculum.

3051. Field Experience in Mathematics Grades K-2 (1) (F, S, SS) P: Foundations curriculum mathematics course; C: MATE 3050. Supervised practicum in a K-2 mathematics setting. Focus on diagnosis of student thinking.

3060. Mathematics and Methods for Grades 3-6 (4) (F, S, SS) P: Admission to upper division; MATE 3050. Fractions, decimals and percent, properties of polygons, area and perimeter and other grade 3-6 mathematical concepts. Methods of instruction, lesson planning, tools for instruction, and strategies. Emphasis on reasoning, problem solving, communication, and connections. Includes attention to exceptional children in the general mathematics curriculum.

3067. Algebra and Number Foundations (3) (F,S) P: MATH 1065 or equivalent. Problem-solving development of important concepts in number and algebra for teachers. Focus on properties of integers, rationals, and real numbers; properties of linear, quadratic, and cubic functions; multiple representations (physical models, graphs, equations, tables) of relations, functions, equations, and inequalities. Applications taken from K-12 mathematics.

3167. Geometry and Measurement (3) (F,S) P: MATH 1065 or equivalent. Tool-based development of important concepts in Euclidean geometry and measurement for teachers. Focus on inductive reasoning, deductive reasoning, and informal and formal proof. Use of tools (technology and instruments) to explore issues in measurement. Applications taken from K-12 mathematics.

3218. Teaching Mathematics in Special Education (3) (F,S,SS) Formerly MATH 3218 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: MATE 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) Formerly MATH 3223 2 lecture and 2 lab hours per week. P: Admission to upper division; MATE 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.

3267. Concepts in Discrete Mathematics (3) (S) P: MATE 3067. Problem-solving course for teachers features graph theory, social choice, dynamical systems, logic, sets, and mathematical induction. Applications taken from K-12 mathematics.

3367. Mathematical Modeling (3) (S) P: MATE 1267, 2267, 3067, and 3167. Capstone course in modeling for teachers. Investigation of models such as Mendelian Genetics, Markov Chains, Weighted Voting, and population models. Development of models to solve real-world problems using a variety of mathematical strands. Applications taken from K-12 mathematics.

3523. Teaching Topics in High School Mathematics (3) (S) P: MATE 2123. Pedagogical focus on lesson planning for major content areas in the high school mathematics curriculum, particularly algebra, geometry, and advanced mathematics topics. Fifteen hours of field experience.

4001. Technology in Secondary Mathematics Education (3) (F) Formerly MATH 4001 2 lecture and 2 lab hours per week. May not count toward MATH major or minor. P: Admission to upper division; MATE 2700, 2800; C: MATE 4323. Uses and implications of calculators and computers in secondary mathematics curriculum.

4319. Teaching Mathematics in the Middle Grades (3) (F) Formerly MATH 4319 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; MATE 3067, 3167, 3267 or consent of instructor; C: MIDG 4001, 4010; ENED or HIED 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) Formerly MATH 4323 4 hours per week. May not count toward BA in MATH or minor. P: Admission to upper division; MATE 2123. Modern methods and techniques used in teaching secondary school mathematics.

4324. Internship in Mathematics (10) (S) Formerly MATH 4324 Full-time, semester-long internship. May not count toward BA in MATH or minor. P: Admission to upper division; MATE 4323; C: MATE 4325; READ 3990. Observation and supervised teaching in mathematics in assigned public secondary school classroom.

4325. Internship Seminar: Issues in Mathematics Education (1) (S) Formerly MATH 4325 May not count toward BA in MATH or minor. P: Admission to upper division; MATE 4323; C: MATE 4324. Individualized study of problems or issues.

4501, 4502, 4503. Independent Study in Mathematics Education (1,2,3) For advanced mathematics education students. Number of hours per week will depend on credit hours and nature of work assigned. P: BS in MATH, secondary major; mathematics concentration; consent of dept chair. Topics supplement regular curriculum.

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5251. Modern Mathematics for Elementary Teachers I (3) Formerly MATH 5251 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: MATE 3223 or consent of instructor; P for graduate students: MATE 2129; MATH 2127; 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) Formerly MATH 5263, 5264 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) Formerly MATH 5265, 5266 2 lecture and 2 lab hours per week. May not count toward a MATH or CSCI major or minor. P: MATE 3166 or MATH 3166 or MATH 1075 or 1085; consent of instructor. Operation and programming of microcomputers in secondary school system.

5267, 5268. LOGO: A Computer Language for Educators (3,0) Formerly MATH 5267, 5268 2 lecture and 2 lab hours per week. May not count toward MATH major or minor. P: MATE or MATH 3166 or consent of instructor. LOGO and its uses with students K-12.

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 foundations curriculum 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 foundations curriculum math requirement, certification, or degree. Remedial basic algebra. Some sections may be taught in lab/tutorial mode.

1050. Explorations in Mathematics (3) (F,S,SS) (FC:MA) May not count toward MATH major or minor. Fulfills foundations curriculum 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) (FC: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) (FC: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) (FC: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) 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) (FC:MA) May not be taken by students who have successfully completed MATH 1074 or MATH 1085. P: MATH 1065 with a minimum grade of C. 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) (FC: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) (FC: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) (FC: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.

2124. Elementary Mathematical Models (1) P: MATH 2171. Formulation and solution of various types of problems using techniques of establishing a mathematical model.

2127. Basic Concepts of Mathematics (3) (F,S,SS) (FC: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.

2151. Engineering Calculus I (3) (S) (FC:MA) 3 lecture hours per week. P: MATH 1083 or 1085 or placement test criteria; or consent of instructor. Fundamentals of single variable differentiation with applications to problems in geometry, engineering, and physics. Includes applications to engineering areas.

2152. Engineering Calculus II (3) (S) (FC:MA) 3 lecture hours per week. P: MATH 2151 or 2171; or consent of instructor. Fundamentals of single variable integration with applications to problems in geometry, engineering, and physics. Includes applications to engineering areas such as, work and moments.

2153. Engineering Calculus III (3) (F) (FC:MA) 3 lecture hours per week. P: MATH 2152 or 2172; or consent of instructor. Fundamentals of vectors functions and multivariable calculus including partial derivatives, multiple integrals, and vector calculus. Includes applications to engineering problems such as motion in space, and force fields.

2154. Engineering Linear Algebra and Differential Equations I (4) (S) 3 lecture and 2 lab hours per week P: ICEE 2050; MATH 2153. First order and second order linear differential equations, Laplace transforms, systems of equations and general matrix theory. Includes software applications to solve differential equations and systems of equations.

2171. Calculus I (4) (F,S,SS) (FC:MA) P: minimum grade of C in any of MATH 1083, 1085, or 2122. 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) (FC:MA) P: MATH 2171 with a minimum grade of C or MATH 2122 with consent of instructor. Second of three-course sequence. Transcendental functions, applications of integrals, techniques of integration, and infinite series.

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2173. Calculus III (4) (F,S,SS) (FC:MA) P: MATH 2172 with a minimum grade of C. 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) (FC:MA) 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) (FC:MA) May not count toward MATH or CSCI major or minor. May receive credit for one of MATE or MATH 2282, 2935. P: MATE or 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) (FC:MA) 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.

2300. Transition to Advanced Mathematics (3) P: MATH 2171. Proof methods including induction, naïve set theory, functions and relations, cardinality, basic number theory, completeness of the real number system.

2427. Discrete Mathematical Structures (3) Same as CSCI 2427 May not count toward MATH major or minor. May receive credit for one of MATE or MATH 2775, 3237, or MATH 2427. 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) (FC:MA) For prospective teachers of secondary school math. May receive credit for one of MATE or MATH 2775, 3237 or MATH 2427. P: MATH 1085. Selected topics include counting techniques, graph theory, difference equations, recursion, iteration, induction, and dynamical systems.

2935. Data Analysis (3) (F) (FC:MA) May receive credit for one of MATE or 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.

3100. Mathematical Methods for Engineers and Scientists (4) (F,S,SS) May not count toward MATH major or minor. May not be taken by students who have credit for MATH 2173 or MATH 3256 or MATH 4331. P: MATH 2172; or equivalent; or consent of instructor. Functions of several variables, partial derivatives, first and second order differential equations, matrices, determinants, cofactor expansions, vector spaces, linear independence/dependence, linear transformations, eigenvalues/eigenvectors, variation of parameters.

3166. Euclidean Geometry (3) (F,S) (FC:MA) May not count toward MATH or CSCI major or minor. P: MATE 1067 or MATH 1065; 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.

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 2300. 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) (FC:MA) May not count toward MATH or CSCI major or minor. May receive credit for one of MATE or MATH 2775, 3237 or MATH 2427. 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) (FC:MA) May not count toward MATH or CSCI major or minor. P: MATE or MATH 2282, 3166, 3237; MATH 2122. 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 2300, 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.

3273. Combinatorics (3) P: MATH 2300. Advanced counting methods, recurrences, mathematical induction, generating functions. Additional topics from: graphs and trees, combinatorial designs, combinatorial games, error-correcting codes.

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 2310 or consent of instructor; 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.

4031. Applied Statistical Analysis (3) (S) P: MATH 2228 or 2283 or 3308; MATH 3256 or MATH/CSCI 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 packages.

4101. Advanced Calculus I (3) (F,S) May receive credit for one of MATH 4101, 5101. P: MATH 2173, 2300; or consent of instructor. Axioms of real number system, completeness, sequences, infinite series, power series, continuity, uniform continuity, differentiation, Riemann integral, and Fundamental Theorem of Calculus.

4110. Elementary Complex Variables (3) P: MATH 2173. Complex numbers, analytic functions, mapping by elementary functions, integrals, residues, and poles.

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.

4264. Introduction to Modern Algebra II (3) P: MATH 3263. Continuation of development of topics begun in MATH 3263. Normal subgroups, factor groups, homomorphisms, rings, ideals, quotient rings, and fields.

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4322. Foundations of Mathematics (3) (F) 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 axiomatically.

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.

4774. Programming for Research (3) P: MATH 2228 or 2283 or equivalent. Emphasis on minimum-level programming skill and use of statistical packages.

4801. Probability Theory (3) (F) 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.

4999. Capstone and Statistical Consulting (3) (F,S) 1 hour lecture and 3 hours practicum per week. P: MATH 4031. Supervised statistical consulting experience related to prior coursework in statistics.

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 3200 or 3310 or MATE 3223 or 2775 or MATH 2427 or 2775 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.

5101. Advanced Calculus I (3) May receive credit for one of MATH 4101, 5101. P: MATH 2173, 2300; 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 6111. P: MATH 2173. Complex numbers, analytic functions, mapping by elementary functions, integrals, residues, and poles.

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.

(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

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. Introduces stochastic processes. Queuing theory with applications to inventory theory and forecasting, Poisson and Markov processes, reliability simulation, decision analysis, integer programming, and nonlinear programming.

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.

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)
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)

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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. For non-business majors only. May receive credit for only one of MGMT 3202 and 3302. Organizational management, including managerial functions, understanding of individual needs and motivation, and managerial leadership.

3302. Management of Organizations (3) (F,S,SS) For Business Majors Only. Credit cannot be earned for MGMT 3202 and MGMT 3302. Cannot be used to fulfill the requirements of the business minor. P: ECON 2113, ECON 2133, ACCT 2401. Examines fundamental management principles and shows how managers can improve organizational effectiveness by attending to the human side of the enterprise.

3352. International Business (3) (F,S,SS) Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: MGMT 3302. 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 3302. 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 3302; 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 or 3302; 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) Registration preference given to declared majors with a minimum 2.5 GPA. P: MGMT 3302. Business, personal, and interpersonal issues associated with family owned and managed firms.

4342. Organizational Change and Development (3) (F,S) Formerly MGMT 3342 P: MGMT 3202 or 3302; MGMT 4242 or PSYC 3241. 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.

4343. Organizational Leaders and Leadership (3) (F,S) Formerly MGMT 3343 P: MGMT 3202 or 3302; MGMT 4242 or PSYC 3241. 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 or 3302. 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 or 3302. 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 3302. 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) (WI) (F,S,SS) P: Senior standing; declared major in College of Business; FINA 3724; MKTG 3832; MGMT 3302; OMGT 3123. 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 3302; consent of dept chair. Selected topics.

MGMT Banked Courses

3203. Organizational Management (3)
4472. Compensation Management (3)
4492. Personnel Decision Making (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 standing.

4010. Instructional Evaluation in Middle Grades (3) (WI) P: Upper division standing; MIDG 3010, 3022; choose 2 from ENED or MIDG; or HIED or MATE or SCIE 4319. Traditional and authentic assessment for both middle grades students and teachers.

4319. Teaching English/Language Arts in the Middle Grades (3) 12 hours of clinical experience per week. May not count toward foundations curriculum 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 4010; HIED or MATE 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; EDUC 4400 or PSYC 4305; EDUC 3200; MIDG 4001, 4010; choose two methods courses from MIDG, HIED, MATE, SCIE 4319; C: MIDG 4325. Structured clinical internship. Student teaches under supervision for extended period of time in two content areas in classroom situation.

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4325. Internship Seminar: Issues in Middle Grades Education (2) P: Admission to upper division; 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 standing; consent of advisor. Directed readings on selected topics.

MIS: MANAGEMENT INFORMATION SYSTEMS

2223. Introduction to Computers (3) (F,S,SS) Formerly DSCI 2223 Basic concepts of data processing and computer programming.

3063. Introduction to Management Information Systems (3) (F,S,SS) Formerly DSCI 3063 Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: MIS 2223. Information systems in business and hardware and software tools to implement them.

3673. Software Design and Development (3) (F,S) Formerly DSCI 3673 Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: MIS 3063. Design and development of software for business applications.

3943, 3953. Topics in Management Information Systems (1,2) (F,S) Formerly DSCI 3943, 3953 Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: Consent of dept chair. Selected topics of contemporary interest in Management Information Systems.

4113. Data Base Management Systems (3) (F,S) Formerly DSCI 4113 Registration preference given to declared majors with a minimum 2.5 GPA. P: MIS 3063. Analysis of data base theory and practice.

4123. Telecommunications and Networked Systems (3) (F,S) Formerly DSCI 4123 Registration preference given to declared majors with a minimum 2.5 GPA. P: MIS 3063. Detailed study of evolving communication technology and management problems associated with communication networks.

4153. Web Application Development for Business (3) (F,S) Registration preference given to declared majors with a minimum 2.5 GPA. P: MIS 3063. Exploration of evolving technologies that fuel modern day web applications for business and drive interactive web sites.

4163. Information Systems Analysis and Design (3) (F,S) Formerly DSCI 4163 Registration preference given to declared majors with a minimum 2.5 GPA. P: MIS 3063. Analysis and design of business information systems.

4173. Information Systems Development and Implementation (3) (F,S) Formerly DSCI 4173 Registration preference given to declared majors with a minimum 2.5 GPA. P: MIS 4163; P/C: MIS 3673. Implementation of business information systems using current technologies.

4963. Topics in Management Information Systems (3) (F,S,SS) Formerly DSCI 4963 Registration preference given to declared majors with a minimum 2.5 GPA. P: Consent of dept chair. Advanced topics of contemporary interest in Management Information Systems. Intended primarily for management information system majors.

4993. Cooperative Education (0) (F,S) Formerly DSCI 4993 Registration preference given to declared majors with a minimum 2.5 GPA. P: Consent of dept chair. Topics to supplement regular curriculum.

MIS Banked Courses

4103. Decision Support Systems (3) Formerly DSCI 4103

4133. Managing Information Systems Resources (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

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) (F,S) 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. Strategies and 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,S) Registration preference given to declared majors with a minimum 2.5 GPA. 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 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. Strategic frame work for selections of appropriate marketing mix to satisfy overall organizational objectives.

4662. Marketing Research (3) (F,S) (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) (F,S) 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) (F) 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.

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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 organization's 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.

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)

MRCH: MERCHANDISING

1135. Principles of Merchandising (3) Formerly IDMR 1135 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.

2034. Textiles (3) Formerly IDMR 2034 P: Merchandising majors; C: MRCH 2035. Textile fibers and fabrics. Emphasis on quality, performance, care, and selection. Introduction to textile industry.

2035. Textiles Laboratory (1) Formerly IDMR 2035 P: Merchandising majors; C: IDSN 2040 or MRCH 2034. Assessment of textile fibers and fabrics as related to quality and performance.

2239. Apparel and Human Behavior (3) Formerly IDMR 2239 Cultural, social, psychological, and economic aspects of apparel which affect selection and use of apparel by consumer.

2350. Merchandising Strategies (3) Formerly IDMR 2350 P: MRCH 1135. Introduces theories and concepts in soft goods retailing. Investigates strategic planning process in apparel and interiors retailing.

2500. Survey of Historic Costume Through the 18th Century (3) A study of clothing worn by men, women, and children from prehistory to the end of the eighteenth century. Course will focus on political, cultural, economic, and social forces on clothing as well as stylistic changes.

2999. Pre-Professional Merchandising Seminar (3) P: MRCH 1135; IDSN 1180 or MRCH 2239; MRCH 2350. Sophomore capstone course which introduces students to careers in merchandising, job search tactics, and community practice of merchandising skills.

3001, 3002, 3003. Special Topics (1,2,3) Formerly IDMR 3001, 3002, 3003 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, interiors, and merchandising. Variable titles, content, and hours.

3050. Quality Analysis: Apparel (3) Formerly IDMR 3050 P: MRCH 2034; 2035; Merchandising majors. 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) Formerly IDMR 3200 P: Merchandising majors or minors; MRCH 2350. Consumer motivation and purchasing behavior in apparel and interiors products.

3307. Nineteenth and Twentieth Century Costume (3) (WI) Formerly IDMR 3307 P: Merchandising majors or minors; MRCH 2239. Chronological survey of development and characteristics of western dress from nineteenth century to the present.

3350. Merchandising Analysis (3) Formerly IDMR 3350 P: Merchandising majors or minors; MRCH 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) Formerly IDMR 3400 P: Merchandising majors or minors; MRCH 1135. Promotion of apparel and interior furnishings throughout production and distribution systems. Emphasis on merchandising concepts and strategies that convey product characteristics.

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3401. Visual Merchandising/CAD Lab (1) P: MRCH 3400. Practical application of visual merchandising planning and operational concepts. Projects may consist of software-based learning, service-learning, and community and campus outreach experiences.

4001, 4002, 4003. Independent Study: Apparel, Textiles, Interiors Merchandising (1,2,3) Formerly IDMR 4001, 4002, 4003 P: Junior standing. Problems in apparel, textiles, interiors and merchandising.

4209. Directed Study: Research in Merchandising (3) (WI) Formerly IDMR 4209 P: Senior standing; Merchandising majors or minors. Research methods and applications in merchandising of apparel, textile, and interior furnishing products.

4300. Global Economics: Textiles, Apparel, and Interior Furnishing Industries (3) (WI) Formerly IDMR 4300 P: MRCH 2034 or IDSN 2040; ECON 2113. Global economic issues affecting these industries and their impact on merchandising and consumption of these end-use products.

4350. Merchandise Buying and Sourcing (3) Formerly IDMR 4350 P: MRCH 3350. Theoretically based decision-making in forecasting, buying, and sourcing of apparel and interiors porducts with computer applications.

4400. International Merchandising (3) P: MRCH 3200; Senior merchandising major. Comparative overview of merchandising practices in selected international environments, with special emphasis on the apparel and home furnishings industries.

4883. Merchandising Internship (3) (WI) (F,SS) Formerly AMID 4883 200 work hours. P: IDMR 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.

4999. Merchandising Capstone: Executing the Concept (3) P: 4350; senior merchandising major. Application of merchandising concepts in the execution of a merchandise plan and the development and presentation of apparel and interiors products to complete the plan.

MRCH Banked Courses

2003. Apparel Construction for Secondary Education (2)
2004. Apparel Construction for Secondary Education Laboratory (1)
2301. Computer Applications in Merchandising (3)
3883. Professional Development in Merchandising (2)
4308. Professional Development in Merchandising, Apparel, and Textiles (3)
4333. Quality Analysis: Textiles (2)
5338. Problems in Apparel, Merchandising, and Interior Design (3)

MRST: MEDIEVAL AND RENAISSANCE STUDIES

2000. Introduction to Medieval and Renaissance Studies (3) (FC:HU) May count toward elective requirement of MRST minor or foundations curriculum humanities requirement. Medieval and Renaissance studies via art, English, foreign languages and literatures, history, music, and philosophy.

2400. Introduction to Medieval Studies (3) (FC:HU) Comprehensive interdisciplinary orientation to the European Middle Ages (c. 300-1450), integrating decisive contributions in humanistic disciplines, religion, and the arts.

2500. Introduction to Renaissance Studies (3) (FC:HU) Comprehensive interdisciplinary orientation to the European Renaissance era (c. 1300-1650), integrating decisive contributions in humanistic disciplines, religion (including the Reformation), and the arts.

5000. Medieval and Renaissance Studies Seminar (3) P: 3 s.h. in MRST or consent of director. Interdisciplinary seminar.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

MULT: MULTIDISCIPLINARY STUDIES

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.

MUSC: MUSIC

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.

MUSC: APPLIED MUSIC, GROUP

Applied music fee for all private and group courses is $35 per semester hour credit.

1105, 1115. Beginning Group Piano (1,1) Required of all non-keyboard music minors and those non-keyboard 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.

1305, 1315. Functional Piano for Singers I, II (1,1) May not count toward foundations curriculum fine arts requirement. P: Music major. Basic keyboard fluency for singers. Preparation for departmental keyboard proficiency exam required of all voice performance majors.

1415. Woodwind Group (1) May be repeated for credit. 2 1-hour labs per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. Develop basic playing ability and methodology of teaching woodwind instruments.

1435. Brass Group (1) 2 sessions per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. Develop 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 non-keyboard 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.

2315. String Class (1) (F) 2 1-hour labs per week. Instruction in classes of 4 or more students. May count toward minor applied music requirement. Develop basic playing ability and methodology of teaching string instruments.

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.

MUSC: APPLIED MUSIC, PRIVATE

Applied music fee for all private and group courses is $35 per semester hour credit.

Courses in applied music are required for all music majors and are open to qualified non-music 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.

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:

01-Piano	**08-Viola**	**14-Bassoon**	**19-Trombone**
02-Organ	**09-Cello**	**15-Clarinet**	**20-Euphonium**
03-Harpsichord	**10-String Bass**	**16-Saxophone (alto or tenor)**	**21-Tuba**
05-Guitar	**11-Flute**	**17-Trumpet**	**22-Percussion**
06-Voice	**13-Oboe**	**18-Horn**	**23- Jazz**
07-Violin			

In addition to the above, instruments such as piccolo, English horn, bass clarinet, contrabasson, 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 foundations curriculum fine arts requirements, certification, or degree requirements. **No applied music course may count toward foundations curriculum requirements.**

Below are the catalog numbers and credit for each class. The 2 digits to be substituted for the blanks will indicate the applied

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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.

1_ _0 Lower-Level Applied Music (2)
1_ _1 Lower-Level Applied Music (1)
1_ _2 Lower-Level Applied Music (2)
1_ _3 Lower-Level Applied Music (3)
1_ _4 Lower-Level Applied Music (4)
3_ _0 Upper-Level Applied Music (2)
3_ _1 Upper-Level Applied Music (1)
3_ _2 Upper-Level Applied Music (2)
3_ _3 Upper-Level Applied Music (3)
3_ _4 Upper-Level Applied Music (4)

MUSC: CONDUCTING

3156, 3166. Conducting (1,1) P: MUSC 2166, 2186; 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.

MUSC: JAZZ STUDIES

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.

2395. Rhythm Section Concepts (2) May be repeated for credit. 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.

Some courses which carry foundations curriculum credit are identified using the following key. Consult the offering department concerning additional courses which carry foundations curriculum credit. Courses in major prefix may not count toward foundations curriculum.
(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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: Admission to upper division; 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.

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 foundations curriculum 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 foundations curriculum fine arts requirement. Contemporary concepts in teaching at middle, junior, and senior high school levels. Examination of literature and materials.

MUSC: MUSIC HISTORY AND LITERATURE

1406, 2406, 2416. Music History and Literature (3,3,2) (WI) P for 2406: MUSC 1406; P for 2416: MUSC 2406. Three-semester survey of Western Music proceeding chronologically from Antiquity to modern times. Emphasis on style, genre, and cultural context.

3055. History of the American Musical Theatre (3) Same as THEA 3055 P: MUSC 2166 or consent of instructor. Styles and periods.

4436. Symphonic Music (2) P: MUSC 1406, 2406, 2416. Development of orchestral forces, repertoire, and symphonic conceptions from the Pre-Classic era through the 20th Century. Emphasis on forms, styles, and historical issues in the symphony, symphonic poem, and concerto.

4496. Opera History (2) (WI) (S03) Formerly MUSC 5796 P: MUSC 2416. History of lyric theatre from late sixteenth century to present. Emphasis on examples from outstanding operas of various periods in music history.

4596. Historical Development of Solo Vocal Literature (2) (S04) Formerly MUSC 5616 P: Senior standing; undergraduate survey of music history; MUSC 2416. History with concentration on literature of major composers.

4658. Musical Aesthetics and Criticism (3) (WI) P: MUSC 1406, 2406, 2416. Pro-seminar devoted to issues of judging artistic value in music through the discipline of aesthetics and through various modes of music criticism raised by seminal figures such as Aristotle and Kant. Subsequent focus on value judgment in relation to music aesthetics and criticism.

5406. Music of the Baroque Era (2) P: MUSC 2416 or consent of instructor. 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) P: MUSC 2416 or consent of instructor. 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) P: MUSC 2416 or consent of instructor. 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) P: MUSC 2416 or consent of instructor. 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. Pro-seminar format.

5516. Ibero-American Musics of the Twentieth Century (3) (WI) P: MUSC 2166 or consent of instructor. Comprehensive overview from ethnomusicological perspective. Vernacular musics of Spanish- and Portugese-speaking cultures and their influence on art-music composers of twentieth century.

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5667, 5677. Organ History, Literature, and Design (2,2) Same as MUSC 5667, 5677 (Sacred Music) P: MUSC 2416 or consent of instructor. 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.

5887, 5897. Survey of Performance Practice (2,2) P: MUSC 2416 or consent of instructor. 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.

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.

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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) 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.

4654, 4656. Suzuki Pedagogy III, IV (3,3) (F,S) P for 4654: MUSC 4647, 4648; C for 4656: MUSC 4650. Philosophy and principles of Suzuki approach to teaching and playing violin as presented in volumes V through VIII of Suzuki Violin School.

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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.

4660. Percussion Pedagogy and Literature P: Upper division standing in applied music. Study of pedagogical methods and performance materials for percussion instruments of Western art music.

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) (FC:FA) May be repeated for credit.

1625. Concert Choir (1) (FC:FA) May be repeated for credit. Open to all students by audition only.

1635. University Chorale (1) (FC:FA) May be repeated for credit. Open to all students.

1645. Men's Glee Club (1) (FC:FA) May be repeated for credit. Audition required.

1665. Women's Glee Club (1) (FC:FA) May be repeated for credit. Audition required.

1675. Chamber Singers (1) (FC:FA) May be repeated for credit. Open to all students by audition only.

1705. Marching Band (2) (FC:FA) May be repeated for credit. Open to all students. May not count toward large ensemble credit for music majors. Music majors taking more than 2 s.h. of MUSC 1706 or 1705 must sign a release form to be made available in the music office and in the SoM Undergraduate Handbook. The form will help clarify that hours above the required 2 s.h. of MUSC 1706 will not count as part of the Music Education degree plan at ECU, and that these extra hours may lead to additional hours on a student's transcript before graduation.

1706. Marching Band Field Experience (1) May be repeated for credit. Open to all students. Participation in marching band with teaching component emphasizing marching band pedagogy through student leadership positions. Music majors may count only 2 s.h. of Marching Band Field Expereince (MUSC 1706, 1 s.h.) for large ensemble credit. Music majors taking more thatn 2 s.h. of MUSC 1706 or 1705 must sign a release form to be made available in the music office and in the SoM Undergraduate Handbook. The form will help clarify that hours above the required 2 s.h. of MUSC 1706 will not count as part of the Music Education degree plan at ECU, and that these extra hours may lead to additional hours on a student's transcript before graduation.

(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

1715. Concert Band (1) (FC:FA) May be repeated for credit. Open to all students.

1735. Wind Ensemble (1) (FC:FA) May be repeated for credit. Open to all students by audition only.

1745. Symphony Orchestra (1) (FC:FA) May be repeated for credit. Open to all students by audition only.

1765. Symphonic Band (1) May be repeated for credit. Open to all students.

1775. Jazz Ensemble (1) (FC:FA) May be repeated for credit. Open to all students by audition or consent of instructor.

MUSC: PERFORMANCE GROUPS, SMALL

1605. Opera Theatre (1) (FC: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) P: MUSC 2416. 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 children's and youth choirs; and multi-cultural and non-traditional contemporary trends in sacred music.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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 advisor.

5667, 5677. Organ History, Literature, and Design (2,2) Same as MUSC 5667, 5677 (Music History and Literature) Recommended to be taken in sequence. P: MUSC 2416. 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.

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 (3,3) (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; C for 1186: MUSC 1166. Aural comprehension, sight singing, performance, and conducting skills.

1326, 1336. Composition (1,1) Beginning study. P/C: MUSC 1156, 1176.

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; C for 2176: MUSC 2156; P for 2186: MUSC 2176; C for 2186: MUSC 2166. 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. Basic Musicianship V (2) (WI) P: MUSC 2166, 2186. Analytical study of complete works of large ensembles. Applies analysis to practical situations of performance and conducting.

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) May be repeated for credit. 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. Language of Post-tonal Music (3) (WI) (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. Develop 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.

MUSC: COURSES FOR NON-MUSIC MAJORS

1008. Music Theory for Non-music Majors (3) (FC: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) (FC:FA) Not open to MUSC majors. P for 1028: MUSC 1018. Music reading skills and fundamentals.

1108, 1118. Non-music Major Group Voice (1,1) (FC:FA) 2 classroom hours per week. P for 1118: MUSC 1108. Fundamentals of voice production and beginning vocal literature. Applied music group fee is $35 per semester hour credit.

1208, 1218. Non-music Major Group Piano (1,1) (FC:FA) 2 classroom hours per week. P for 1218: MUSC 1208 or consent of instructor. Develop basic playing ability. Note reading, rhythm, technique, and repertoire. Applied music group fee is $35 per semester hour credit.

1308, 1318. Non-music Major Group Guitar (1,1) (FC: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 $35 per semester hour credit.

2207. The Enjoyment of Music (3) (F,S,SS) (FC:FA) Not open to MUSC majors. May not be taken by students who have credit for MUSC 2208. Basic materials of music and their utilization in understanding and enjoyment of music of different styles and periods.

2208. Music Appreciation (2) (F,S,SS) (FC:FA) Not open to MUSC majors. May not be taken by students who have credit for MUSC 2207. 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.

2209. The Musical Experience (3) Non-specialist overview of the resources, genres, and cultural outlook of musical traditions worldwide, including vernacular (folk and indigenous), popular, and cultivated (i.e., "classical") musics. Emphasizes development of musical and multicultural awareness through mastery of basic terminology, stylistic concepts, and critical-listening skills.

2225. Introduction to Early Music in the West (3) (FC:FA) Survey of materials, forms, genres, and significant issues of music in the Medieval and Renaissance periods. Non-technical format emphasizing basic terminology, stylistic concepts, and place of music in intellectual, cultural, and religious context of time. Development of critical thinking and listening skills.

2226. Introduction to Popular Music Styles in America (3) (FC:FA) Identifies stylistic strands of American popular music from ante-bellum New Orleans to present multifarious musical spectrum. Explores musical and cultural significance. Develop basic terminology, tracing important formative influences such as blues, ragtime, jazz, Tin Pan Alley, Broadway, and rock. Fosters development of cultural and historical awareness through critical listening.

2227. Introduction to American Music from Colonial Times to the Present (3) (FC:FA) Overview of rich palette of music produced and consumed in US in historic times, from the Bay Psalm Book to diverse styles of twentieth century. Focuses on cultivated and vernacular traditions, including band music, gospel, folk and country styles, popular music, and European-influenced trends. Develop cultural and historical awareness through critical listening.

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2229. Introduction to Western Art Music (3) (FC:FA) Nonspecialist overview of musical resources, genres, and historical styles of European music, illustrated through masterworks by great composers of previous historical eras through the modern period. Emphasizes development of cultural awareness through mastery of basic terminology, stylistic and historical concepts, and critical-listening skills.

2248. Music of the World's Peoples (2) (F,S,SS) (FC:FA) 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.

2257. Jazz Appreciation (3) (F,S,SS) (FC:FA) May not be taken by students who have credit for MUSC 2258. Basic materials of jazz music and their utilization in understanding and enjoyment of jazz music of different styles and periods.

2258. History of Jazz Music (2) (F,S,SS) (FC:FA) May not be taken by students who have credit for MUSC 2257. May count toward MUSC major electives. Jazz from its origin to present.

2268. Music of Latin America (2) (FC: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) (FC:FA) Skills and understanding necessary for teaching music. Applied music group fee is $35 per semester hour credit.

3048. Music for Exceptional Children (2) (F,S,SS) (FC:FA) May count toward MUSC major electives. Emphasis on materials, procedures, and activities. Applied music group fee is $35 per semester hour credit.

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.

4228. Arts Marketing (3) May count toward MUSC major electives. Key concepts, background, public relations strategies, and arts-specific marketing solutions for teachers, sacred musicians, and community-sponsored arts program directors to promote music, theatre, and arts programs effectively.

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.

MUSC Banked Courses

1405, 1425. Woodwind Group (1,1)
1655. Women's Chorus (1)
1755. Symphony Orchestra Laboratory (0)
2008. Theatre Score Analysis (3)
2218. Orchestral Music (2)
2228. Music of the Theatre (2)
2238. Contemporary Music (2)
2305. String Group (1)
2445. Intermediate Percussion Group (1)
2909. Introduction to Music Business (3)
3028. Music Education in Elementary Grades (2)
3038. Music Education in Intermediate Grades (2)
3205. Voice Fundamentals (1)
3647. Voice Pedagogy (2)
3909. Seminar in Music Industry (1)
4306. Advanced Theory (2)
4465. Accompanying (1)
4909. Selected Topics in Music Business (2)
4993. Cooperative Internship in Music Business (3)
4996. Cooperative Internship in Music Business (6)
5446. American Music (2)
5496. Electronic Music (2)
5537. Music for Children and Youth (2)
5547. Hymnology (2)
5567. History of Liturgies (2)
5587. Introduction to Handbells (1)

(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

NCST: NORTH CAROLINA STUDIES

2000. Introduction to North Carolina Studies (3) (F) 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) (S) 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) (FC: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 foundations curriculum 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 foundations curriculum 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. Introduces 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.

4950, 4951. Neuroscience Senior Thesis I, II (3,3) (F,S,SS) (WI) P: PSYC 2101 or MATH 2228, PSYC 2210, consent of instructor. Research under the direction of full-time faculty member on neuroscience project culminating in senior thesis.

NURS: NURSING

3010. Foundations in Nursing Informatics (3) (F,S) P: Hold a current unrestricted license as a registered nurse in NC; completion of required sciences, foundations curriculum, and cognate courses. Application of information technology and literacy related to nursing education and practice.

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.

3025. Health Assessment and Diagnostic Reasoning (3) (F,S) P/C: NURS 3010. Theoretical foundations and skills for performing a holistic plan of care for individuals across the lifespan.

3030. Management of Diabetes Mellitus Across the Life Span (2) P: Students in the health sciences division or consent of instructor. Management of individuals with diabetes mellitus using a multidisciplinary approach.

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3040. Pharmacotherapeutics (3) (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 in-depth content in a nursing area.

3200. Introduction to Professional Nursing (2) (F,S) P: Admission to NURS major. Conceptual and philosophical foundations of professional nursing.

3210, 3211. Nurse as Care Provider (6) (F,S) 4 lecture and 6 practicum hours per week P/C: NURS 3020, 3021, 3200, 3270, 3271, 3410. 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: Admission to NURS major. 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 3300; P/C: NURS 3040, 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 3300; P/C: NURS 3040, 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: Admission to NURS major; RN students; P/C: NURS 3010. 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; RN students; P/C: NURS 3010. Introduction to research process and its impact on nursing practice, education, and public policy.

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.

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 optional functioning and maximization of quality of life for clients with alterations in mental health.

4020, 4021. Nursing Care of Adults (6) (F,S) 3 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) (WI*) (F,S) P: All required NURS courses below 4000. Theoretical and organizational frameworks for understanding essential elements of nursing leadership.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

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.

4220. Perspectives in International Community Health Nursing (3) P: All required nursing courses below 4210. Introduction to global health issues of select international communities and/or nations.

4410. Nursing Management of Complex Health Issues: Individuals and Families (3) (F,S) P: All required NURS 3000-level courses. Principles and practices of nursing promoting holistic care of individuals and families across the lifespan.

4420. Nursing Management of Complex Health Issues: Populations and Systems (3) (WI) (F,S) P: All required NURS 3000-level courses; P/C: NURS 4410. Principles and practices of nursing promoting holistic care of population health across the lifespan.

4430. Systems, Complex Heath Issues and Nursing (3) (F,S) P: All required NURS 3000-level courses. P/C: NURS 4420. Principles and practices of nursing focusing on systems impacting current and emerging complex health issues.

4440. Nursing Leadership and Service Learning I (3) (WI) (F,S) 2 lab and 6 practicum hours per week. P: All required NURS 3000-level courses. Assessing and planning service-learning project relevant to health concerns of aggregates or populations.

4450. Nursing Leadership and Service Learning II (4) (F,S) 2 lab and 9 practicum hours per week. P: NURS 4440. Implementing and evaluating service-learning project relevant to health concerns of aggregates or populations.

4460. Nursing Leadership and Service Learning III (3) (F,S) 2 lab and 6 practicum hours per week. P: NURS 4440; P/C: NURS 4450. Disseminating service-learning project relevant to health concerns of aggregates or populations.

4500. Theory Capstone (5) (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 (3) 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 standing 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.

5025. Computer Applications in Nursing (2) P: Graduate student standing; 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 standing 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.

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)
3205. Health in the Older Adult (3)
3250, 3251. Geriatric Nursing (3,0)
3900. Concepts in Professional Nursing (3)
3901. Practicum in Concepts in Professional Nursing (2)
4050. Nursing Core II (3)
5460, 5461. Patient Education for Interdisciplinary Health Care Providers (3,0)

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NUTR: NUTRITION AND DIETETICS

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.

1300. Introduction to Dietetics (1) (F) Introduces dietetics practice and credentialing requirements.

2105. Nutrition Science (3) (F,S,SS) Elementary principles of nutrition and their practical application.

2400. Nutrition Education and Assessment (3) P: NUTR 2105; nutrition major. Application of teaching and learning theory to the nutrition field; introduction to education and assessment tools used in dietetics practice.

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: NUTR 1000 or 2105. Special topics in selected area of nutrition and dietetics. Variable topics and content permitted.

3101. Clinical Nutrition for Allied Health Professions (3) (F,S) Basic nutrition and selected applied topics that relate to prevention and treatment of nutrition-related health problems.

3104. Advanced Vitamins and Minerals (2) (F,S) P: BIOL 2130, 2131; CHEM 1160, 1161; NUTR 2105; Functions and processes related to micronutrients.

3105. Nutritional Biochemistry and Metabolism (3) (WI) (F,S) P: BIOL 2130, 2131; CHEM 2650, 2651; or equivalent; NUTR 2105; a statistics course. Macronutrient processes at cellular level.

3303. Food Science (3) (F) P: NUTR 2110. Overview of food science topics as related to foods. Includes discussions of food preservation, food processing, food chemistry, food safety, food laws and food biotechnology.

3311. Life Cycle Nutrition (4) (F,S) P/C: NUTR 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) 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.

3500. Nutrition Research Methodology (2) P: NUTR 2105 and statistics; C: NUTR 3501; nutrition major. Application of research methodologies to nutrition and dietetics.

3501. Nutrition Research Methodology Laboratory (1) P: NUTR 2105 and statistics; C: NUTR 3500. Laboratory application of research methodologies to nutrition and dietetics.

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 NUTR courses; NUTR 2105. Supervised professional work experience in nutrition and dietetics.

4300. Professional Preparation in Dietetics (1) (F) P: NUTR major. Concepts and skills required for leadership and professional practice in dietetics.

4312. Medical Nutrition Therapy I (4) (F) P: HIMA 3000; NUTR 3105, 3311. Biochemical and physiological anomalies of disease and application of medical nutrition therapy.

4313. Medical Nutrition Therapy II (4) (S) P: NUTR 4312; C: NUTR 4500, 4501, 4600. Continuation of NUTR 4312.

4500. Community Nutrition Education (3) (S,SS) P: NUTR 3311; C: NUTR 4313. Nutrition program development and delivery in community setting. Includes nutrition surveillance, screening, assessment, education, counseling, documentation, and referral.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

4600. Dietetics Exit Seminar (2) (WI) (S,SS) P/C: NUTR 4308, 4313, 4500; HMGT 4450. Applies continuous quality improvement to dietetic service. Identifies 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. Applies dietetic knowledge to entry-level practice. Emphasis on performance responsibilities of dietitians, quality assurance procedures, and professional ethics.

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; NUTR 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.

NUTR Banked Courses

5050. Nutrition and the Workplace (1)

5211, 5212. Advanced Clinical Nutrition (1,2)

OCCT: OCCUPATIONAL THERAPY

3000. Exploring Occupational Therapy (3) (F,S,SS) Foundation for understanding occupational therapy. History, common work settings and clients, language, and skills required to become a successful occupational therapist.

OMGT: OPERATIONS MANAGEMENT

3123. Operations and Supply Chain Management (3) (F,S,SS) Formerly DSCI 3123 Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: MATH 2228 or 2283; MIS 2223. Organizations as integrated systems and as members of integrated supply chains. Designing, planning, and controlling operating systems and managing of supply chains to achieve global competitive advantage. Application of quantitative techniques to organizational and supply chain management problems.

3223. Business Decision Modeling (3) (F,S,SS) Formerly DSCI 3023 Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: Minimum grade of C in MIS 2223, MATH 1066 or 2119 or 2121 or 2171, 2283. Managerial problem solving and decision making skills using quantitative methods and computer skills.

3843, 3853. Topics in Operations Management (1,2) (F,S) Registration preference given to declared and intended majors with a minimum 2.5 GPA. P: Consent of dept. chair. Selected topics of contemporary interest in operations management.

4293. Statistical Analysis (3) (F,S) Formerly DSCI 4293 Registration preference given to declared majors with a minimum 2.5 GPA. P: MATH 1066 or 2119 or 2121 or 2171, 2283. Statistical hypothesis tests, simple and multiple linear regression and correlation, nonparametric methods, and analysis of variance.

4383. Supply Chain Systems (3) (S) Formerly DSCI 4383 Registration preference given to declared majors with a minimum 2.5 GPA. P: OMGT 3123. Application of technology to three key aspects of a supply chain's competitive advantage: product design, product demand estimation, and supply chain systems analysis.

4493. Quality Management (3) (F) Formerly DSCI 4493 Registration preference given to declared majors with a minimum 2.5 GPA. P: OMGT 3123. 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.

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4733. Project Management (3) (F,S) Formerly DSCI 4733 Registration preference given to declared majors with a minimum 2.5 GPA. P: OMGT 3123. 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 management.

4743. Logistics and Materials Management (3) (F) Formerly DSCI 4743 Registration preference given to declared majors with a minimum 2.5 GPA. P: OMGT 3123. Logistics and materials management as supporting functions of supply chain management. Specific topics include manufacturing planning and control, lean operations, materials handling, inventory flow, warehousing, packaging, purchasing, transportation, and physical distribution.

4763. Supply Chain Management (3) (S) Formerly DSCI 4763 Registration preference given to declared majors with a minimum 2.5 GPA. P: OMGT 3123. Concepts in supply chain management and its role in global markets. Coverage focuses on analyzing supply chains, creating supplier networks, and evaluating the performance of a supply chain, with consideration of the role of information technology, ERP, e-procurement, e-commerce, and B2B technologies.

4863. Topics in Operations Management (3) (F,S,SS) Intended primarily for declared majors. Registration preference given to declared majors with a minimum 2.5 GPA. P: Consent of dept chair. Advanced topics of contemporary interest in operations management.

4893. 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.

OMGT Banked Courses

4393. Forecasting and Statistics for Operations Analysis (3) Formerly DSCI 4393

4633. Management Science II (3) Formerly DSCI 4633

4723. Production Planning and Control (3) Formerly DSCI 4723

PHIL: PHILOSOPHY

1110. Introduction to Philosophy (3) (WI*) (F,S,SS) (FC:HU) Introduces 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.

1175. Introduction to Ethics (3) (WI*) (F,S,SS) (FC:HU) Introduces 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) (WI*) (F,S) (FC: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*) (F) (FC:HU) Introduces 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) (FC:HU) Introduces 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) (FC:HU) Introduces 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.

(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

1275. Contemporary Moral Problems (3) (FC:HU) (WI*) 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) (FC: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) (FC:HU) 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) (FC:HU or MA) Introduces 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.

1690. World Religions (3) (F,S) (FC:HU) Historical and contemporary expressions of major living religions, such as Buddhism, Christianity, Hinduism, Islam, Judaism, and Taoism.

1695. Introduction to the Old Testament (3) (F) (FC:HU) History, literature, and religion of ancient Israel.

1696. Introduction to the New Testament (3) (S) (FC:HU) History, literature, and religion of early Christianity.

2261. Introduction to Philosophy of Science (3) (FC: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*) (F,S) (FC:HU) Introduces 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) (FC: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) (FC: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.

2280. Introduction to Philosophy of Sport (3) (FC:HU) Introduces philosophy of sport through study of philosophical writings relevant to sport and contemporary writings in philosophy of sport.

2282. Philosophy of Law (3) (S) (FC:HU) (WI*) Explores philosophical topics arising from study and application of legal principles, such as nature of law and obligation, civil liberties, rights, and theories of punishment.

2451. American Philosophy (3) (FC:HU) Major themes in American philosophy and/or major American philosophers, such as Emerson, Peirce, James, Dewey and later Americans.

2453. Existentialism and Phenomenology (3) (FC:HU) Study of representative writers from late nineteenth- and twentieth-century tradition of existentialism and phenomenology, such as Nietzsche, Kierkegaard, Husserl, Sartre, and Heidegger.

2455. Introduction to Africana Philosophy (3) (WI*) (FC:HU) Introduces philosophy rooted in the traditions and experience of Africa and the African Diaspora. Topics may include philosophy and slavery, the philosophy of Alain Locke, contemporary African American philosophy, and African metaphysics, epistemology and aesthetics.

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2691. Classical Islam (3) (FC:HU) Islam and some of its cultural manifestations during the formative period. Topics covered include early history, basic beliefs and practices, and the Qur'an.

2692. Buddhism (3) (FC:HU) Buddhism during the formative period. Topics covered include early history, formation of the canon, basic philosophy, initial spread through Asia, and basic practices such as mediation and pilgrimage.

3255. Philosophy of Mind (3) (FC: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) (FC: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) (FC: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*) (FC: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) (FC: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.

3313. Ancient Philosophy (3) (WI*) (FC:HU) P: 3 s.h. in Phil or consent of instructor. Study of major writings of ancient period, such as those of the Pre-Socratics, Plato, Aristotle, Epicurus.

3321. Medieval and Renaissance Philosophy (3) (FC:HU) P: 3 s.h. in PHIL or consent of instructor. Representative writings of significant philosophers in the Medieval and Renaissance periods, such as Augustine, Anselm, Aquinas, and Machiavelli.

3331. Modern Philosophy (3) (FC:HU) P: 3 s.h. in philosophy or consent of instructor. Critical examination of the ideas of the great European philosophers of the 17th and 18th centuries: such as Descartes, Locke, Berkeley, Leibniz, Spinoza, Hume and Kant.

3340. Twentieth-Century Analytic Philosophy (3) (FC: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) (FC: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) (FC:HU) May be repeated for credit with consent of instructor and dept chair. 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. P: Consent of instructor and dept chair.

3580. Intermediate Logic (3) (FC: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) (WI*) (FC:HU) Historical and contemporary situation of women in major religious traditions. Special emphasis on Judaism and Christianity.

(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

3691. Islam in the Modern World (3) (WI*) (FC:HU) P: PHIL 1690 or PHIL 2691 or consent of instructor. Contemporary issues of war and peace, gender issues, fundamentalism, modernity, and religious identity.

3692. Tibetan Religion and Culture (3) (WI*) (FC:HU) P: PHIL 1690 or PHIL 2692 or consent of instructor. Influence of Buddhist and Bon religions on Tibetan culture.

3698. Mysticism (3) (WI*) (FC:HU) P: Consent of instructor or any course from the core religion electives list of the religious studies program. Mystical traditions in various religions. Topics include historical and religious contexts, representative mystics, and classic texts.

4250. Metaphysics (3) (FC:HU) P: 6 s.h. in PHIL or consent of instructor. Inquiry concerning philosophical questions about reality, the world, the mind, God, universals, essences, and substances.

4270. Ethics (3) (WI*) (FC: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.

4276. Social and Political Philosophy (3) (WI*) (FC:HU) P: 6 s.h. in PHIL or consent of instructor. Analysis of conceptual problems and normative questions that arise in social and political philosophy. Foci may include justice theory, injustice theory, the philosophy of family, or theories of political obligation.

4282. Mathematical Logic (3) (FC:HU) P: PHIL 3580 or MATH major or consent of instructor. 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) (FC:HU) P: 6 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. P: Consent of instructor and dept chair.

4699. Topics in Religion (3) (WI*) (FC:HU) P: 6 s.h. in religion or philosophy or consent of instructor. May be repeated for a maximum of 9 s.h. with change of topic. Selected topics of religious studies.

5531, 5532, 5533. Directed Readings (1,2,3) (F,S,SS) May be repeated for credit with consent of directing professor 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)
3311. Plato (3)
3312. Aristotle (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)

PHYS: PHYSICS

1050. Physics and the Environment (4) (F,S,SS) (FC: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) (FC: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.

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1090. Physics of Sound (3) (S) (FC:SC) 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.

1091. Physics of Sound Laboratory (1) (S) (FC:SC) 2 lab hours per week. C: PHYS 1090.

1250, 1260. General Physics (3,3) (F,S,SS) (FC: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.

1251, 1261. General Physics Laboratory (1,1) (F,S,SS) (FC: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) (FC:SC) P: 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.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

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.

5311. Mathematical Physics I (3) Same as MATH 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.

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.

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.

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. Planning Internship (1,2) (F,S,SS) Minimum of 50 hours of professional work per semester hour of credit. P: Completion of a minimum of 9 s.h. of planning courses and consent of internship coordinator 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.

3020. Environmental Planning (3) (F) Concepts and issues of the environment in relation to planning and management principles and practices.

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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.

3030. Urban and Regional Planning (3) Philosophy, theories and principles involved in urban and regional planning, including an analysis of problems confronting urban areas, and the development of regions and their resources.

3031. Quantitative Analysis in Planning (3) (S) 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. 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) 2 hours lecture and 2 hours lab per week. P: PLAN 3041 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) 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) (F,SS) Case studies examine emergency management planning and techniques. Emphasis on mitigation of, preparation for, response to, and recovery from natural and technological disasters.

4021. Advanced GIS Applications in Planning (3) (S) 2 lecture and 2 lab hours per week. P: PLAN 3051 or GEOG 3410 or consent of instructor. Overview of advanced principles and applications of GIS in planning using vector, raster, and TIN data models. Focuses on use of GIS to facilitate and support decision-making in planning process.

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.

4041. GPS Applications in Planning (3) (S,SS) 2 lecture and 1 lab hours per week. P: PLAN 3051 or consent of instructor. Provides an in-depth survey of Global Positioning Systems (GPS) technology developments, applications, concepts, and operation. Emphasis is on field data collection, processing, and integration with GIS to provide accurate mapping for many essential decision-making and planning applications.

4046. Planning and Design Studio (3) (F,S) 2 lecture and 2 lab hours per week. Analytical and practical skills involved in real world planning, development, and management.

4096. Planning Studio (3) (F,S) 4 studio hours per week. P: PLAN 3022; PLAN 3051; or consent of instructor. Collaborative studio investigating an advanced issue in planning. Work is conducted in teams, often for a community client.

4099. Practicum in Planning (3) (WI) (F,S) 1 lecture and 2 lab hours per week. Culmination of undergraduate preparation for professional practice. Planning process used to prepare high-quality planning document.

5025. Coastal Area Planning and Management (3) (S) 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.

5045. Environmental Resources Planning and Management (3) Frame of reference for studying natural resources for purpose of development.

(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

5065. Land Use Planning (3) (S) 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.

5985. Historic Preservation Planning (3) Same as HIST 5985 Historic preservation planning. Examines theoretical, legal, historical, and design bases of preservation planning.

PLAN Banked Courses

3000. Urban Planning (3)
3010. Regional Planning (3)
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)
4132. Land Use Law (3)
4152. Environmental Law (3)
5015, 5016. Transportation Planning and Transportation Planning Studio (2,1)
5035. Community Planning for Health Facilities (3)
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) (FC: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) (FC: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) (FC: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) (F,S) (FC:SO) May receive credit for one of POLS 2070, 2108. Selected literature and thinkers addressing political life and problems.

3011. Political Issues (3) (FC:SO) Current foreign and domestic issues facing American national government.

3012. Politics Through Film (3) (S) (FC:SO) Themes, issues, and processes of politics through in-depth study of selected films.

3013. Decision Making In the United Nations (3) (F) (FC: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,S) (FC: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) (FC:SO) Factors which affect development and expression of public opinion, voter turnout, partisanship, and electoral choices.

3035. American Political Parties and Politics (3) (FC:SO) Politics, parties, and pressure groups. Consideration of recent research findings in many aspects of political behavior.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

3037. Campaigns and Elections (3) Detailed analysis of campaigns and elections in the US, from prior to primaries to general election, including candidates, parties, media, and voting behavior.

3039. Black Politics in America (3) (FC:SO) Investigates political goals of Black Americans.

3040. Women in Politics (3) P: POLS 1010 or consent of instructor. Status and influence of women in American political system. Cross-national comparisons.

3041. Women and Public Policy (S) (3) (FC:SO) P: POLS 1010 or consent of instructor. Public policies that affect women in American society.

3042. American Politics Through Music (3) (S) (FC:SO) 3 lecture hours per week plus 3 lab hours per semester. Study of political expression through and qualitative research about various genres of music.

3050. Theory and Politics of Social and Protest Movements in the United States (S) (3) (FC:SO) Major social and protest movements, including women's suffrage, civil rights, and the rise of the religious right.

3144. American Foreign Policy (S) (3) RP: POLS 2020. Principles and policies which characterize America's recent and contemporary foreign relations.

3155. National Security Policy (3) Overview of processes, forces, and influences which determine contemporary national security policy in United States. Examine contemporary issues, including transnational threats, multinational and coalition defense strategies, force modernization, recruitment and retention, and homeland security.

3202. The American Legislature (3) (FC:SO) Organization, powers, and role of legislature in American political process.

3203. The American Executive (3) (FC:SO) Organization, powers, and role of executive in American political process.

3204. The American Judiciary (3) (F) (FC:SO) Organization, powers, and role of judiciary in American political process.

3223. Constitutional Powers (3) (FC:SO) Constitutional issues related to powers of Congress, the presidency, courts, and state governments in American political system.

3224. Civil Liberties (3) (FC:SO) Contemporary civil liberties issues confronting American political system.

3232. The European Union (3) (S) (FC:SO) P: POLS 2010 or 2020 or consent of instructor. Major theoretical issues and political problems surrounding evolution of major institutions of European Union.

3234. West European Political Systems (3) (F) (FC:SO) Comparative analysis of political structures and institutions in Great Britain, France, Germany, and selected West European nations.

3235. East European Political Systems (3) (FC:SO) Political structures, institutions, and processes of eastern European states. Communist legacy, socioeconomic transformations, and patterns of institutional change.

3236. Russian Politics (3) (FC:SO) Political structures, institutions, and processes in post-Soviet Russia. Legacies of communism and current political, economic, and social transformations.

3240. State and Local Government (3) (F,S) (FC: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) 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) (FC:SO) Forces that shaped NC politics and public policy. Survey of NC government.

3252. Public Administration (3) (F,S) (FC: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) (F,S) American policy-making process and major issues in several public policy areas.

3256. Environmental Politics (3) Energy and environmental policies, especially governmental responses to conflicting goals of clean environment and energy sufficiency.

3257. International Environmental Policy (3) 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) (FC:SO) Comparative study of government and politics in selected countries of Middle East.

3265. African Political Systems (3) (FC:SO) Comparative study of government and politics in selected countries in Africa.

3270. Latin-American Political Systems (3) (FC:SO) Selected Latin-American governments. Emphasis on internal processes and systems.

3280. South Asian Political Systems (3) Comparative analysis of development and change in India, Pakistan, Ceylon, and Burma.

3290. Conflict and Peace in the Post-Cold War Era (3) 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.

3297. International Political Economy (3) (FC:SO) P: POLS 2020 or consent of instructor. Major theoretical issues and political problems surrounding interaction of international politics and international economics.

3370. American Political Thought (3) (S) (FC: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) (F) (FC:SO) Role of media in formulation and analysis of public policies primarily in US, also comparisons with other nations.

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4321. Contemporary Southern Politics (3) 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) (FC: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.

4382. Politics of Terrorism (3) Explores phenomenon of terrorism throughout world with particular focus on characteristics of terrorism, reasons why groups choose terrorist action, and issues in counter terrorism.

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.

4384. Inter-American Relations (3) (SOY) (FC:SO) International politics among the countries of the Western Hemisphere.

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) 3 hours per week for 4981; 6 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 internship director and dept chair. Experiential learning under academic supervision in political setting.

4991, 4992. Internship in Public Administration (1,2) (F,S,SS) 3 hours per week for 4991; 6 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 any degree offered by the political science department. P: Consent of internship director and dept. chair. Experiential learning under academic supervision in public agency setting.

4996. Capitol Experience (9) (F,S,SS) P: Admission to approved legislative internship program and consent of dept chair. Participation in organized legislative internship program with state legislature or U.S. national government. Experiential learning under academic supervision in political or 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.

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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 Banked Courses

3145. Russian Foreign 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)
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) (FC: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) (FC:SO) May receive credit for one of PSYC 1000, 1060. Introduces fundamental concepts in psychology in seminar format.

2101. Psychological Statistics (4) (F,S,SS) (FC:SO) 3 lecture and 2 lab hours per week. P: MATH 1065 or equivalent or MATH 1066; 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) (FC: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. Research Methods in Psychology (4) (WI) (F,S) (FC:SO) P: PSYC 2101or equivalent. Methods of research, including design, measurement, analysis, interpretation, and presentation.

2250. Selected Topics in Psychology (3) (FC:SO) P: PSYC 1000 or 1060. Important current developments. Topics vary according to faculty preferences.

2275. Psychology of Adjustment (3) (F,S,SS) (FC:SO) 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) (FC: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) (FC: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.

3225. Psychology of Learning (3) (F,S,SS) (FC:SO) P: PSYC 1000 or 1060. Introductory survey of experimental methods, basic research, principles, and theories of learning and forgetting.

3226. Cognitive Psychology (3) (F,S,SS) (FC:SO) Focus on human research and cognition including attention, perception, consciousness, memory, concept learning, language, symbolic behavior, and problem solving.

3241. Personnel and Industrial Psychology (3) (F,S,SS) (FC: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.

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3290. Comparative and Evolutionary Psychology (3) (FC: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) (FC:SO) P: PSYC 1000 or 1060. Theories of personality. Emphasis on structure, development, and dynamics.

3310. Introduction to Neuroscience (3) (F,S,SS) (FC:SO) Same as NEUR 3310 P: PSYC 1000 or 1060. Neuroanatomy and neurophysiology and their relationship to behavior.

3311. Neuropsychology (3) (F,S) (FC: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.

3312. Sensation and Perception (3) (F,S) P: PSYC 1000 or 1060. Anatomy and functioning of the various sensory/perceptual systems, including empirical research, controversies, and theories of perception.

3314. Psychology of Religion (3) (FC: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?

4250. Advanced Topics Seminar (3) (WI) (F,S,SS) May be repeated with change of topic for a maximum of 6 s.h. P: PSYC 2210 and consent of instructor. In-depth coverage of primary research sources in a psychological topic.

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.

4312. Laboratory Methods in Behavioral Neuroscience (3) Formerly PSYC 5312, 5313 1 lecture and 4 lab hours per week. P: PSYC 3310, 3311; or consent of instructor. Basic techniques of animal surgery, histological, examination, drug administration, and behavior testing.

4315. Neuroscience: Literature and Laboratory Experience (3) (F,S) Formerly PSYC 5315, 5316 1-hour seminar and 8 hours lab per week. May be repeated for maximum of 12 s.h. May count a maximum of 12 s.h. toward PSYC major. P: PSYC 2210; 3310 or 3311; consent of instructor. Recently published research in behavioral neuroscience and lab work on ongoing research project.

4333. Learning Theories and Applications (3) P: PSYC 1000. Introductory survey of the basic theories and principles of learning, including classical and operant conditioning, and successful applications of these principles in a variety of settings.

4335. Psychology of Women (3) (FC: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.

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

4340. Behavioral Pharmacology Seminar (3) Formerly PSYC 5320 P: PSYC 3310, 3311; or consent of instructor. Behavioral and neurophysiological effects of psychoactive drugs in experimental animals and clinical populations.

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) (FC: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; GPA above 3.00 overall and in Psychology. 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; GPA above 3.00 overall and in Psychology. 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; GPA above 3.5 overall and in psychology. 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; GPA above 3.5 overall and in psychology. 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*) May be repeated with change of topic for a maximum of 6 s.h. P: Minimum of 9 s.h. in PSYC. Selected topics at advanced level. Topics vary.

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.

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.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

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)
3240. Psychology of Adolescence
4320, 4321. Behavioral Research (3,0)
5311. Sensation and Perception
5370. Mental Hygiene in Schools (2)

RCLS: RECREATION AND LEISURE STUDIES

2000. Introduction to Leisure Services (3) (F,S,SS) Introduces profession of recreation and contemporary leisure services.

2400. Facilitation and Leadership of Adventure-Based Programs (3) (F,S) 10 clock hours of lab. Theory, practice, and delivery of adventure programs.

2600. Outdoor Recreation Activities (3) (F,S) Knowledge and skills related to outdoor recreation activities for lifetime leisure skill development. Choose two areas: backpacking, sea kayaking, whitewater kayaking, caving, surfing, or canoeing. Three field trips required. Requires additional fees. May be repeated up to 6 s.h. with different skills areas by permission of instructor.

2601. Leisure in Society (3) (F,S,SS) (FC:SO) Introduces concept of leisure from historical, socio-cultural, and individual perspectives.

3003. Leisure Programming (3) (F,S) P: Declared RT major or RPM major or minor; P/C: 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 RPM major or minor; P/C: RCLS 2000; C: RCLS 3003.

3104. Public and Non-Profit Recreation (3) (F) P: RCLS 2000 or consent of instructor. P/C: 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) Nature and function of commercial recreation agencies and tourism industry. Historical development, components, management, economic impacts, and entrepreneurship.

3131. Inclusive Recreation (3) (F) Background and understanding of inclusive recreation, planning, and delivery of services.

3180. Experience Preplacement Seminar (1) P: Declared RPM 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) 180 hours of supervised work experience. P: Declared RPM major or minor; minimum 2.0 GPA; RCLS 3003, 3004, 3180; consent of advisor. Exposure to community/commercial recreation agencies.

3300. Outdoor Programming (3) (S) History of outdoor programming techniques for planning, developing, and administering outdoor programs.

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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

3301. Recreational Interpretation of Cultural and Natural Resources (3) Theory and practice in communication and education in parks and other recreation settings.

3500. Recreation Leadership and Group Process (2) (S) C: RCLS 3501. Skills and processes for planning, leading, and motivating groups engaged in recreation programs.

3501. Recreation Leadership and Group Process Lab (1) (S) C: RCLS 3500. Students practice skills and processes for planning, leading, and motivating groups engaged in recreation programs.

4000. Research Methods and Techniques (3) (F,S) P: Declared RT major or RPM major or minor; RCLS 3003, 3004. Understanding, interpreting, and applying research in leisure studies.

4002. Administration of Leisure Services (3) (S) P: 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 RPM major or minor; RCLS 3003, 3004. Philosophical concepts and issues of leisure with a focus on current trends and issues in professional leisure service delivery.

4111. Design of Parks and Recreation Facilities (4) (F) P: RCLS 3104 or 3120 or consent of instructor. Knowledge and skills necessary to prepare a comprehensive recreation and park master plan. Includes completing an inventory of existing recreation and park opportunities, comparison to existing standards, population analysis, needs assessment, evaluation, executive report and action plan which is presented to community or county park board or elected officials.

4120. Leisure Services Marketing (3) (S) P: RCLS 3104 or 3120 or consent of instructor. Marketing process and skills needed to develop marketing plans.

4121. Tourism Planning and Development (3) (F) P: RCLS 3120 or consent of instructor. Focuses on strategies for planning and developing tourism as an industry within communities and regions. Special emphasis on appropriateness and sustainability of tourism development projects.

4122. Case Studies in Leisure Management (3) (F) P: RCLS 3104 or 3120 or consent of instructor. Applies management concepts and techniques to leisure service delivery systems. Case studies, research, and student projects.

4130. Recreational Sport Programming (3) (F) P: RCLS 3003, 3004; or consent of instructor. Foundations, support and delivery systems, and desirable practices of recreational sport programming in community, commercial, and educational settings.

4700, 4701, 4702. Independent Study in Recreation (1,2,3) (F,S,SS) 3 hours per week per 1 s.h. credit. May be repeated for credit with change of topic up to 6 s.h. P: RCLS 2000 or consent of instructor. Work with recreation faculty member on project directly related to recreation profession.

4901. Recreation and Park Management Internship Pre-Placement Seminar (1) (F,S) To be taken in semester preceding RCLS 4990. P: Declared RPM major; minimum cumulative 2.0 GPA; consent of RCLS advisor. Explores purpose and objectives of internship experience. Utilizes 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 RPM major; RCLS 4901; 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.

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(FC:EN)=English; (FC:EX)=Exercise and Sport Science; (FC:FA)=Fine Arts; (FC:HL)=Health; (FC:HU)=Humanities; (FC:MA)=Mathematics; (FC:SC)=Science; (FC:SO)=Social Science

5111. Recreational Facility Management (3) P: RCLS 3104 or 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)
3000. Group Processes in Leisure Services (2)
3001. Group Processes in Leisure Services Laboratory (1)
3212. Therapeutic Recreation and Leisure Services for Older Adults (3)
3302. Park Design and Management (3)
3303. Wild Land Recreation (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)

RCTX: RECREATIONAL THERAPY

2230. Recreational Therapy Foundations (3) (F,S) Formerly RCLS 2230 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.

3202. Camping and Adventure Programming for Individuals with Disabilities (3) (SS) Formerly RCLS 3202 P: Consent of instructor. Applies camping and outdoor adventure programming interventions for individuals with disabilities. Requires lab and/or field experience under supervision of field supervisor and university instructor.

3240. Disability Survey for Recreational Therapy Services (3) (F,S) Formerly RCLS 3240 P: Declared RT major; BIOL 2130, 2131; RCLS 2000; or consent of instructor. Etiology, symptomatology, and characteristics of disabling conditions that limit individual's independent functioning. Recreational therapy interventions essential to facilitating specific functional outcomes. Adaptive equipment, assistive devices, and programmatic considerations.

4210. Introduction to Biofeedback (3) P: BIOL 2130, 2131 or equivalent; RCTX 3240. Basic principles, history, instrumentation, and intervention techniques, including assessment, treatment, and evaluation processes. Clinical and non-clinical applications.

4211. Biofeedback Lab (1) P: BIOL 2130, 2131 or equivalent; RCTX 3240. P/C: RCTX 4210. Application of techniques and instrumentation.

4250. Recreational Therapy Program Design (3) (F,S) Formerly RCLS 4250 P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor. 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) (S) Formerly RCLS 4252 P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor. 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) Formerly RCLS 4260 45 hours of supervised practical experience. P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240. Practice in aspects of recreational therapy services.

4262. Recreational Therapy Interventions and Techniques (3) (F) Formerly RCLS 4262 P: Declared RT major; RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor. 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) Formerly RCLS 4264 P: RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor. 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) Formerly RCLS 4266 P: RCLS 3003, 3004; RCTX 2230, 3240; or consent of instructor. 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.

4902. Recreational Therapy Internship Pre-Placement Seminar (2) (F,S) Formerly RCLS 4902 To be taken in semester preceding RCTX 4990. P: Declared RT major; minimum cumulative 2.0 GPA; consent of RCLS advisor. Purpose and objectives of internship experience. Utilization of resources to identify and obtain quality internship placement. Instruction related to internship academic assignments.

4990. Recreational Therapy Internship (12) (WI) (F,S,SS) P: Senior standing; declared RT major; minimum cumulative 2.0 GPA; minimum grade of C in all RCLS and RCTX courses; successful completion of all other degree requirements and current certification in First Aid and CPR. In-depth practical experience designed to satisfy the field placement requirements for state licensure as recreational therapist and national certification as certified therapeutic recreation specialist.

5000. Theoretical Foundations of Aquatic Rehabilitation (3) Formerly RCLS 5000 Examines treatment principles in aquatic rehabilitation environment. Develop understanding of benefits, contraindications, and use of aquatic therapy to address needs of participants with specific health conditions.

5001. Applied Techniques in Aquatic Rehabilitation (3) Formerly RCLS 5001 P: RCTX 5000 or consent of instructor. Develop fundamental techniques in aquatic therapy. Additional attention to management of aquatic rehabilitation services.

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.

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.

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3204. Fundamentals of Reading (3) (F,S,SS) Practicum required. P: 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 individual's 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; C: READ 3205. Diagnostic/prescriptive instruction of child in clinical setting.

3210. Assessment, Design, and Implementation of Elementary Classroom Reading Instruction (3) (F,S,SS) P: Admission to upper division; 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.

REHB: REHABILITATION STUDIES

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.

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.

(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

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) (WI*) (F,S,SS) 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) (F,SS) Entire field of rehabilitation. Emphasis on rehabilitation counseling.

5100, 5101. Occupational Analysis and Career Counseling (3,0) (F,SS) 3 classroom and 3 hours per week with additional vocational field experience. P for non-majors: consent of instructor. Current occupational, vocational, career counseling and career development theories and practices related to persons with mental and physical disabilities. Emphasis on occupational analysis, career exploration, and person-centered job-seeking and job-placement activities.

5400. Introduction to Vocational Evaluation (3) (F,SS) 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) (S,SS) 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) (F) P: REHB 5793 or consent of instructor. Current significant and/or controversial issues.

RELI: RELIGIOUS STUDIES

2000. Introduction to Religious Studies (3) (FC:HU) May count toward RELI minor or foundations curriculum 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) (FC:HU) Includes field experience. P: Consent of instructor. Religion and culture.

3000. Motherhood of God in Asian Traditions (3) (FC: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.

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3113. Archaeology of the Old Testament World (3) (OY) Same as ANTH 3113 P: ANTH 1000 or 2000 or PHIL 1695 or consent of instructor. Survey of Bronze and Iron Age cultures of Syria-Palestine, ca. 3500-586 BC/BCE, with emphasis on use of archaeological materials in historical reconstruction.

3114. Archaeology of the New Testament World (3) (OY) Same as ANTH 3114 P: ANTH 1000 or 2000 or PHIL 1696 or consent of instructor. Survey of Persian, Hellenistic, Roman, and Byzantine periods in Syria-Palestine, 539 BC/BCE to 640 AD/CE, with emphasis on use of archaeological materials in historical reconstruction.

3600. Greek and Roman Religions (3) (FC:HU) Same as CLAS 3600 Religious ideas, practices, and beliefs from prehistoric Crete to the Roman empire in the time of Plotinus (250 AD), including eastern cults of Isis and Mithras, Judaism and Christianity.

3930. Directed Readings in Religious Studies (3)(WI*) (FC:HU) May be repeated for maximum of 9 s.h. with change of topic. P: Consent of RELI co-director. In-depth exploration of topic chosen in consultation with directing professor.

4500. Selected Topics in Religion (3) (WI*) (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.

4800. Religious Studies Seminar (3) May be repeated for credit with change of topic. P: Consent of instructor or co-director of RELI. Interdisciplinary seminar examines selected topics.

5000. Religious Studies Seminar (3) (WI*) 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.

RUSI: RUSSIAN STUDIES

2001. Introduction to Russian Studies: Humanities (3) (FC:HU) May count toward either the RUSI minor or the foundations curriculum humanities requirement. May receive credit for one of RUSI 2001, 2002, 2003. Introduces Russian culture and civilization. Focus on Russian cultural identity, Russian land and its people, evolution of national and social-cultural values, explored through literature, popular culture, and film.

2002. Introduction to Russian Studies: Social Science (3) (FC:SO) May count toward either the RUSI minor or the foundations curriculum social sciences requirement. May receive credit for one of RUSI 2001, 2002, 2003. Introduces Russian culture and civilization. Focus on history, economics, politics, and society.

2003. Introduction to Russian Studies: Fine Arts (3) (FC:FA) May count toward either the RUSI minor or the foundations curriculum fine arts requirement. May receive credit for one of RUSI 2001, 2002, 2003. Introduces Russian culture and civilization. Focus on visual, musical, and/or performing arts in their historical, cultural, and aesthetic contexts.

3011, 3012. Field Study in Russia (3,6) P: RUSS 1004 or consent of the director. 3011 for 3 s.h.: Minimum of 3 weeks in Russia during summer. 3012 for 6 s.h.: Minimum of 5 weeks in Russia during summer, or 13 weeks during fall or spring study abroad program. Includes field experience, and on-site exploration of literary, cultural, social, historic, economic, political, and/or artistic life of Russia. Work under supervision of ECU faculty member approved by RUSI program director.

3500. Selected Topics in Russian Studies (3) P: Consent of instructor. May be repeated for maximum of 6 s.h. with change of topic. Selected topics in Russian history, philosophy, government, society, and civilization, with emphasis on research methods.

3931, 3932, 3933. Directed Readings in Russian Studies (1,2,3) P: Consent of instructor. Directed study of basic research literature in a field, based on needs and interests of individual Russian Studies student. In-depth exploration of topic chosen in consultation with directing professor.

4000. Senior Seminar in Russian Studies (3) P: Consent of instructor or RUSI program director. Interdisciplinary capstone course required for minors in Russian studies. Advanced study of Russian culture and civilization, including literature, history, philosophy, politics, and economics, in depth.

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.

2120. Introduction to Russian Culture (3) (FC:HU) Taught in English. No knowledge of Russian required. May not count toward foreign language requirement. Introduces most significant achievements of Russian culture in their socio-historical context through study and discussion of important literary texts and other cultural elements.

2700. Special Topics in Russian Studies (3) May be repeated for maximum of 6 s.h. with change of topic. May not count toward foundations curriculum requirement. May be taught in Russian or English. Selected topics relating to language, literature or culture of Russia (pre-Soviet, Soviet or post-Soviet). Topics may vary.

3220. Nineteenth Century Russian Literature in Translation (3) (FC:HU) P: RUSS 2120 or consent of instructor. Taught in English. No knowledge of Russian required. Literature of Russia during nineteenth century through study of selected readings in translation.

3221. Twentieth Century Russian Literature in Translation (3) (FC:HU) P: RUSS 2120 or consent of instructor. Taught in English. No knowledge of Russian required. Literature and culture of Russia and Soviet Union during twentieth century through reading and discussion of significant texts in translation.

3230. Russian and Soviet Film (3) (FC:HU) P: RUSS 2120 or consent of instructor. Taught in English. No knowledge of Russian required. Introduction to the major Russian and Soviet filmmakers.

3700. Special Topics in Russian Studies (3) May not count toward foundations curriculum requirement. May be repeated for a maximum of 6 s.h. with change of topic. P: RUSS 2120 or 3220 or 3221 or consent of instructor. Taught in English or Russian. Selected topics relating to literature or culture of Russia (pre-Soviet, Soviet or post-Soviet). Topics may vary.

SCIE: SCIENCE EDUCATION

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.

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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) (F) 3 hours lecture and 1 hour lab per week. Introductory astronomy for prospective teachers, liberal arts majors, and others.

3360, 3361. Physical Meteorology (4,0) (S) Two 2 hour lectures/labs 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 (4) (F,S,SS) Two 2 hour lectures/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 (4) (F,S,SS) Two 2 hour lectures/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) 1 2-hour lab per week. P: Minimum of 16 s.h. of biology, earth science, or physical science. Aids in-service 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 in-service 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 in-service 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; ENED or HIED or MATE or MIDG 4319. Methods and techniques of teaching biological, physical, and earth sciences.

4323. The Teaching of Science in High School (3) (WI) (F) P: Admission to upper division. Methods and techniques of teaching biological, physical, and earth sciences.

4324. Internship in Science Education (10) (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) (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.

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)

SECS: SECURITY STUDIES

1000. Introduction to Security Studies (3) (F) (FC:SO) Basic concepts and principles of security planning and program implementation across multiple academic disciplines with application at local, state, and federal levels of government as well as private and non-profit sectors.

4000. Senior Seminar in Security Studies (3) (S) P: SECS 1000 and consent of instructor. Practical application and exercises in security studies, to include threat-based scenarios, consequence management, and disaster assistance planning.

SOCI: SOCIOLOGY

1025. Courtship and Marriage (3) (F,S,SS) (FC:SO) Designed for freshmen. Critical thinking and empirical knowledge relative to affectional involvement.

2110. Introduction to Sociology (3) (F,S,SS) (FC: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) (FC:SO) P: SOCI 2110. Nature, extent, causes and consequences of social problems in America today. Methods of limiting and solving these problems.

3000, 3001. Sociology Topics Three 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.

3025. Sociology of Mass Media (3) (FC: SO) P: SOCI 2110. Major perspectives in sociology are used to study the role of mass media in society.

3100. Sociology of Aging (3) (FC:SO) P: SOCI 2110. Effects of social forces on aging and age-related issues.

3213. Methods of Research (3) P: SOCI 2110; or consent of instructor. 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. Introduction to Social Statistics (3) (F,S) P: SOCI 3213. Research methods and techniques employed in sociology and behavioral sciences.

3219. Sociology of Immigration (3) (FC:SO) P: SOCI 2110. Current state of sociological knowledge and research on immigration as a social phenomenon. Attention given to trends in immigration and its impact on society.

3220. Sociology of Deviant Behavior (3) (F,S,SS) (FC: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) (FC: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.

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3225. Urban Sociology (3) (FC:SO) P: SOCI 2110. Urbanism as a way of life. Organization, functions, and problems of urban communities.

3234. The Individual in Society (3) (FC: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) (FC:SO) P: SOCI 2110. Population theory, composition, dynamics, and mobility of populations and problems involved in population trends.

3280. Industrial Sociology (3) P: SOCI 2110. Application of sociological concepts in understanding the production, distribution, and consumption of goods and services in modern and developing societies.

3289. Community Organization (3) (S) (FC:SO) P: SOCI 2110. Theoretical perspectives and social organization in communities of varying complexity. Theory and practices relative to problems of American communities.

3325. Sociology of Human Sexuality (3) (F) (FC: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) (FC:SO) P: SOCI 2110 or consent of instructor. Social aspects of health and health-related behavior.

3385. History of Sociology (3) (WI) P: SOCI 2110. Schools of sociological thought and development of scientific sociology from Comte to present.

3400. Introduction to Gender and Society (3) (FC: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) (FC: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) (FC:SO) P: SOCI 2110. Current state of sociological knowledge and research on economy as a social institution.

3600. Power and Politics in Society (3) (FC: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: MIS 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) 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.

4300. Sociology of Emotion (3) (FC: SO) P: SOCI 2110; or consent of instructor. Analysis of the social origins, expression, and consequences of emotion.

4320. Sociology of Law (3) (FC: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.

(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

4322. Law and Social Change (3) (F03) (FC: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) (FC: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) (FC:SO) P: SOCI 2110. Nature, extent, causes, and methods of treatment and prevention of crime and delinquency.

4337. Principles of Sociology (3) (S) (FC: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) (FC: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) (FC: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.

4347. Social Inequality (3) (F) (FC:SO) P: SOCI 2110. Stratification systems of various societies. Emphasis on concepts and theories relative to American communities.

4350. Social Change (3) (FC: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.

4400. Sociological Perspectives of Sport (F) (FC: SO) P: SOCI 2110; or consent of instructor. Sociological investigation of sport through the lenses of classical, modern, and postmodern sociological theories, including issues of power, privilege, and social difference as they are manifested in sport and sports participation.

4500. Work and Organizations (3) (S) (FC: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.

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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 non-industrial 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.

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 2110 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)
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)

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P=Prerequisite(s); C=Corequisite(s); P/C=Prerequisite(s) or Corequisite(s); R=Recommended P, C, or P/C

SOCW: SOCIAL WORK

1010. Introduction to Social Welfare and Social Work (3) Historical and philosophical overview of development of social work profession and social welfare institutions.

2010. Introduction to Social Work Practice with Special Populations (3) 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) (FC:SO) Same as CDFR 2400; GERO 2400 May count toward foundations curriculum 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) P for SOCW majors: SOCW 2010; P for others: Consent of instructor or program coordinator; C for SOCW major: SOCW 3201 and SOCW 3301. Concepts, theories, and frameworks which guide understanding of human behavior in various social environments.

3201. Social Work Practice I (3) 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) P: SOCW 3201; C: SOCW 3302, 3401. 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) P: SOCW 2010 or consent of instructor or program coordinator; C: SOCW 3101 and 3201. Social welfare as social system. Social welfare concepts, policy, and organization. Emphasis on programming in relation to social needs, social problems, and social goals.

3302. Social Work Policy II (3) P: SOCW major or consent of program coordinator; C: SOCW 3202, 3401. Selected social legislation which may determine policy for general welfare. Pre-legislative 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) 2 lecture and 2 lab hours per week. P: SOCW major or consent of program coordinator; C: SOCW 3202, 3302. 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 and 4303. 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 and 4303. 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) (WI) P: SOCW 3301, 3302; C: SOCW 4102 and 4203. 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) Faculty conferences arranged by student-faculty contracts for program approved by program coordinator. Selected readings, research, or studies related to social welfare.

4501. Crisis Intervention (3) P: SOCW major or consent of program coordinator. Recognition and appropriate intervention in crisis situation.

4503. Social Work Services in Schools (3) P: SOCW major or consent of program coordinator. Introduction and orientation to social work practice in school settings.

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4504. Ethics in Social Work Practice (2) P: SOCW major or consent of program coordinator. Values and ethics. Emphasis on ethical decision making and resolution of ethical dilemmas.

4505. Community Services for Children (3) P: SOCW major or consent of instructor or program coordinator. Emphasis on characteristics of families and children who may need help, adequacies and inadequacies of community resources are explored.

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 coordinator. 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 coordinator. 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 coordinator. 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 coordinator. New or advanced topics in field.

4990. Field Education and Seminar (12) (WI) 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.

5001. Human Behavior and Social Environment for the Human Service Professions (3) May receive credit for one of SOCW 4102, 5001. P: Consent of MSW Coordinator; 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 MSW Coordinator. 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.

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 (3) P: Graduate standing SOCW. Introduces social work profession, and social welfare, policy, and services.

5903. Readings in Aging Studies (3) Same as CDFR 5903; GERO 5903 May count maximum of 3 s.h. toward baccalaureate minor in gerontology or graduate certificate in gerontology. P: Consent of instructor and coordinator 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 (3) P: Graduate standing in SOCW. Basic practice skills. Foundation for internship preparation.

5940. Research Methodology for Social Workers (3) P: Graduate standing or consent of MSW Coordinator. 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) P: Appropriate score on Spanish placement test. 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.

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 children's literature), film, and fine arts.

2117. Spanish for Professions (3) P: SPAN 1004 or consent of dept chair. Introduces 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: Minimum grade of B in 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.

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2330. Intermediate Spanish Composition and Review of Grammar (3) P: Minimum of grade B in 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) (FC: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.

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) (FC: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.

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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

4556. Renaissance and Baroque Spain (1500-1681) (3) (FC: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) (FC: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) (FC: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) (FC: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) (FC: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) (FC: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) (FC:HU) P: SPAN 2441, 2550; or consent of dept chair; RP: SPAN 4560. Major Latin-American writers from mid-twentieth century to present.

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: Admission to upper division; 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. In-depth 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.

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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. In-depth 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)

SPED: SPECIAL EDUCATION

2000. Introduction to Exceptional Children (2) (F,S,SS) Incidence, causes, education, and rehabilitation of exceptional children.

2100. Introduction to Students with Disabilities in the General Curriculum (4) (S) P: SPED 2000 for SPED majors only; C: SPED 2109 for SPED majors only. Comprehensive survey of students with disabilities receiving services in the general curriculum. Emphasis on characteristics, historical aspects, etiology, identification, theoretical explanations and models, and placement alternatives.

2109. Introductory Practicum with Students with Disabilities in the General Curriculum (2) (S) C: SPED 2100 for special education majors only. Practicum experience in structured and guided observation of students with disabilities in the general curriculum.

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.

2200. Introduction to Students with Disabilities in the Adapted Curriculum (4) (S) P: SPED 2000 for SPED majors only; C: SPED 2209 for SPED majors only. Comprehensive survey of students with disabilities receiving services in the adapted curriculum. Emphasis on characteristics, historical aspects, etiology, identification, theoretical explanations and models, and placement alternatives.

2209. Introductory Practicum with Students with Disabilities in the Adapted Curriculum (2) (S) C: SPED 2200 or special education majors only. Practicum experience in structured and guided observation of students with disabilities in the adapted curriculum.

3001. Assessing Students with Disabilities in the General Curriculum (3) (F) P: SPED 2000,2100, 2109; C: 3004, 3005. Introduces comprehensive and socially responsible approach to formal and informal assessment of students with disabilities receiving services in the general academic curriculum.

3002. Assessing Students with Disabilities in the Adapted Curriculum (3) (F) P: SPED 2000, 2200, 2209; C: 3004, 3005. Introduces comprehensive and socially responsible approach to formal and informal assessment of students with disabilities receiving services in the adapted curriculum.

3004. Managing the Learning Environment (3) (F) P: SPED 2000, 2100 and 2109 or 2200 and 2209; C: SPED 3001 or 3002, 3005. Methods and strategies for establishing a positive, strength-based classroom environment that incorporates developmental understanding of behavior, effective teaching structures, and social emotional learning.

3005. Instructional Programming in Special Education (3) (F,SS) P: SPED 2000, 2100 and 2109 or 2200 and 2209; C: SPED 3001 or 3002, 3004. Knowledge and skills fundamental to effective teaching of learners who have disabilities. Emphasis on assessment, instructional planning, classroom management, and program evaluation.

3006. Augmentative and Alternative Communication for Students with Disabilities (3) (S) P: SPED 2000, 2100 and 2109 or 2200 and 2209; C: SPED 3001 or 3002, 3004, 3005. Methods and strategies for identifying and providing augmentative and alternative communication strategies for students with communication disabilities in the educational setting. Areas of focus include trans-disciplinary planning, assessment, and interventions.

3100. Instructional Methods for Students with Disabilities in the General Curriculum (4) (WI) (S) P: Admission to upper division; SPED 3004, SPED 3005, C: SPED 3109. Methods and strategies for the design and delivery of instructional programs for students with disabilities in the general curriculum.

3109. Instructional Practicum for Exceptional Children in the General Curriculum (2) (S,SS) C: SPED 3100, P: Admission to upper division; SPED 3004, SPED 3005. Supervised instruction of exceptional children in the general curriculum in individual, small group, and large group arrangements.

3200. Instructional Methods for Students with Disabilities in the Adapted Curriculum (4) (WI) (S) P: Admission to upper division; SPED 3004, SPED 3005, C: SPED 3209. Methods and strategies for the design and delivery of instructional programs for students with disabilities in the adapted curriculum.

3209. Instructional Practicum for Students with Disabilities in the Adapted Curriculum (2) (S,SS) P: Admission to upper division; SPED 3004, SPED 3005; C: SPED 3200. Supervised instruction of students with disabilities in the adapted curriculum in individual, small group, and large group arrangements.

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) P: Admission to upper division; C: SPED 3510. Minimum of 30 hours of directed observation and planned participation in an appropriate school environment with preschool children who have disabilities.

4000. Technology in Special Education (3) (F,S,SS) P: SPED 2000 and EDTC 4001. Introduces 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.

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.

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4100. Special Issues and Strategies for Students with Disabilities in the General Curriculum (2) (F,S) P: Admission to upper division; SPED 3100 and SPED 3109; C: SPED 4300. Comprehensive coverage and application of issues and strategies related to the provision of special education services in the general curriculum. Topics may include: Transition services, secondary and career/vocational programming, self-determination/advocacy skills, paraeducators and volunteers, health issues, and legislative updates.

4200. Special Issues and Strategies for Students with Disabilities in the Adapted Curriculum (3) (F,S) P: Admission to upper division; SPED 3200 and SPED 3209; C: SPED 4300. Comprehensive coverage and application of issues and strategies related to the provision of special education services in the adapted curriculum. Topics may include: Transition services, secondary and career/vocational programming, self-determination/advocacy skills, paraeducators and volunteers, health issues, and legislative updates.

4300. Practicum in Special Education (2) (F,S) P: Admission to upper division; SPED 3100, 3200 and SPED 3109, 3209; C: SPED 4100, 4200. Minimum of 20 hours of directed observation and planned participation with persons who have disabilities in an appropriate school environment. Must be taken semester prior to internship in special education.

4320. Communication and Collaboration in Special Education (3) (F,S) P: Admission to upper division; SPED 4100, 4200 and SPED 4300; C: SPED 4324. Culturally responsive communication and collaboration with families, community agencies, and other professionals. Focus on skills that provide effective programs and services for students with disabilities.

4324. Internship in Special Education (10) (F,S) Full-time, semester-long internship. P: Admission to upper division; SPED 3005, 4000. Observation and teaching in assigned special education public school classroom.

4352. Seminar in Mental Retardation (2) P: Admission to upper division; 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) P: Admission to upper division; 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) P: Admission to upper division; 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)

4302. Education and Retardation (2)

(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

SYSE: SYSTEMS ENGINEERING

3010. Principles and Methods of Systems Engineering (3) (F) 3 lecture hours per week. P: Consent of instructor. Examines a variety of systems engineering topics. Areas of development include systems engineering foundations, systems engineering methodologies and processes, limitations of systems engineering for complex systems, "ilities" for design of complex systems, human element in systems engineering, complex system transformation, interoperability and system architecture, planning for systems engineering, risk analysis and management, systems engineering capability maturity assessment and development, organization for performing systems engineering, and introduction to system of systems engineering.

3040. Introduction to Dynamic Systems and Controls (3) (S) P: ICEE 3060; MATH 3100. Covers application of mathematical and analytical tools to analyze and design automated control systems for dynamic systems. Topics include block diagrams, transfer functions, stability, time response, frequency domain analysis, and other topics required to design control systems for physical systems.

3060. System Optimization (3) (F) 3 lecture hours per week. P: MATH 2154, 3307. Introduces mathematical tools applied to system optimization, including problem formulation, identification of decision variables and constraints, use of graphical methods, linear programming, concepts of duality, and sensitivity analysis. Applications include transportation, network analysis, project management and other engineering areas.

4000. Integrated Systems Engineering (3) (S) 3 lecture hours per week. P: SYSE 3010. Explores life cycle of systems; generation and analysis of life cycle requirements and development of functional, physical, and operational architectures for the allocation and derivation of component-level requirements for the purpose of specification production. Examines interfaces and development of interface architectures. Introduces and uses software tools for portions of systems engineering cycle.

4010. Human-Machine Systems: Design and Analysis (3) (F) 3 lecture hours per week. P: MATH 3307; SYSE 3010; or consent of instructor. Introduces measurement, evaluation, implementation, communication, equipment, and data for developing and implementing human /machine /environment systems in industrial and consumer contexts. Explores techniques to assess visual, auditory, cognitive, and physical capabilities of individuals. Emphasizes systems approach, with a special interest in the human/machine interface. Explores interaction of environment and individual to enable designers and/or managers to reduce errors, increase productivity, and enhance both safety and comfort, while performing tasks.

4065. Discrete System Simulation (3) (S) P: MATH 3307. Approaches to computer simulation models, with special emphasis on discrete event simulation. Covers model building, data integration, model verification and validation, and applications to engineering and management problems.

THEA: THEATRE ARTS

1000. Introduction to Theatre (3) (F,S,SS) (FC:FA) For non-theatre arts majors. Audience's appreciation of art of playwright, actor, director, and designer. Emphasis on development of western drama and theatrical arts in general.

1010. Introduction to Acting I (3) (F,S,SS) (FC:FA) Acting through use of exercises and improvisational techniques.

1020. Introduction to Acting II (3) (S,SS) P: THEA 1010. Acting through use of exercises, improvisations, and scenes.

1111. Apprentice Level Production (1) (F,S,SS) May be repeated up to three times. P: Consent of instructor. Entry level practicum in various areas of theatre and dance production supervised by faculty.

2001. Stage Scenery I (3) (F,S) (FC: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) (S) (FC:FA) Lectures and mandatory participation in construction and running crews on dept productions. P: THEA 2001. Backstage organization and basic scenery production methods.

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2003. Scene Painting (3) (S) (FC:FA) 4 hours per week. P: THEA 2001, 2002. Scene painting techniques and materials.

2004. Introduction to Theatrical Properties (3) (S) P: THEA 2001. Techniques in construction and design of stage properties, including production operation.

2006. The Art of Make-up (2) (F,S) P: THEA major. Materials and techniques involved in the art of stage make-up.

2009. Decor and Ornament for the Stage (3) (F) (FC: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. Develop 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 foundations curriculum fine arts requirement. P: THEA 1020. Movement study and exercises. Emphasis on integration of physical action and emotional response.

2018. Stage Combat: Unarmed (3) (F,S) May not count toward foundations curriculum fine arts requirement. P: THEA 2017. Study of unarmed stage combat technique. Emphasis on safety and dramatic application for the stage.

2020. Professional Acting Technique II (3) (S) 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) (FC: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.

2222. Intern Level Production (2) (F,S,SS) May be repeated up to three times. P: Consent of instructor. Basic level practicum in various areas of theatre and dance production supervised by faculty.

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) (F) P: THEA 2002 or consent of instructor. Techniques and tools with primary focus on computer-aided drafting.

3003. Stage Lighting (3) (F,S) P: Consent of instructor. Theory and practice of methods of stage lighting.

3004. Scenery Design I (3) (F) 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) (F,S) (FC:FA) 3 lecture and 2 lab hours per week. Principles and process of stage costume 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

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) (F) 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.

3018. Movement for Actors II: Physical Characterization (3) (F,S) May not count toward foundations curriculum fine arts requirement. P: THEA 2017. Continuing movement studies for the actor. Emphasis on developing character through movement.

3019. Stage Combat: Rapier and Dagger (3) (F,S) May not count toward foundations curriculum fine arts requirement. P: THEA 2018. Study of armed stage combat, sword technique as it applies to Rapier and Dagger. Emphasis on safety and dramatic application for the stage.

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.

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.

3030. Youth Theatre I (3) (F,S) May not count toward foundations curriculum. P: THEA 1010, 1020, 2015; consent of instructor. Introduction to theatre for youth, K-12, which explores the history, literature, theory, writing and practical application in production. The class will function as a theatre-for-youth performance ensemble company as part of the practicum experience.

3031. Youth Theatre II (3) (F,S) May not count toward foundations curriculum. P: THEA 3030; consent of instructor. Intermediate-level in theatre for youth, K-12, which explores literature, writing and practical application of youth theatre production throughout the semester. The class will function as a youth theatre performance ensemble company as part of the practicum experience.

3032. Constructing Performance Projects in Theatre for Youth (3) (F,S) P: THEA 3030 and consent of instructor. Development of performance projects and original scripts for children and youth. Study and analysis or international dramatic literature in children's theatre as it applies to current production practices.

3035. Theatre History-Literature II (3) (WI*) (F-03) (FC: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) (FC: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) (F) 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) (S) (WI) Same as MUSC 3055 P: MUSC 2166 or consent of instructor. Styles and periods.

3060. Advanced Acting II (3) (S) P: THEA 3050. Continued role development through intensive scene study and improvisational exercises.

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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) (S) 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.

3333. Journeyman Level Production (3) (F,S,SS) May be repeated up to three times. P: Consent of instructor. Intermediate level practicum in various areas of theatre and dance production supervised by faculty.

3501, 3502, 3503. Independent Study in Theatre (1,2,3) (F,S,SS) (FC: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) (FC: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.

4018. Stage Combat: Broadsword and Quarterstaff (3) (F,S) May not count toward foundations curriculum fine arts requirement. P: THEA 2018. Study of armed stage combat, sword technique as it applies to Broadsword. Study of armed stage combat, Quarterstaff technique. Emphasis on safety and dramatic application for the stage.

4010. Master Class in Advanced Acting I (3) (F) P: THEA 3020 or 3060; consent of instructor. Concentration on advanced problem for the actor: Spoon River monologue work, relaxation, sensory task work, rehearsal preparation, improvisation, and modern and contemporary scene work.

4021. Master Class in Advanced Acting II (3) (S) P: THEA 4010 or consent of instructor. Concentration on advanced problems for the actor; classical scene work, characterization, inner monologue, substitution object and situation exercises, quick result exercises, preparation, rehearsal and filming of scenes for television.

4025. Television and Film Practicum for the Actor I (3) (F) 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.

4030. Creative Dramatics (3) (F,S,SS) (FC:FA) Informal, improvised dramatics with children. Preparation of leaders to conduct such sessions in school and community.

4031. Dialects for the Stage (2) (S) 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) (WI) (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) (FC:FA) 2 lecture and 1 lab/studio hours per week. P: At least 2 of the following courses: THEA 2001, 2001, 3003, 3007 or consent of instructor. Duties and operating procedures of stage manager in professional and nonprofessional theatre.

4066. Theatre Management (3) (F,S) (FC: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) (S) 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) (S) 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.

4140. Internship in Production and Performance in Theatre for Youth I (3) (F,S) P: Consent of instructor. Observation and supervised internship in production and performance in school and community settings.

4141. Internship in Production and Performance in Theatre for Youth II (3) (F,S) P: THEA 4140 and consent of instructor. Observation and supervised internship in production and performance in school and community settings.

4323. The Teaching of Theatre Arts in Grades K-12 (3) P: Admission to upper division. 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.

4444. Master Level Production (4) (F,S,SS) May be repeated up to three times. P: Consent of instructor. Advanced level practicum in various areas of theatre and dance production supervised by faculty.

5000. Dramatic Arts Workshop (3) Presentation and evaluation of workshop projects in various aspects of theatre arts.

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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)
4029. Advanced Oral Interpretation (2)
4032. Dialects for the Stage (2)

WOST: WOMEN'S STUDIES

2000. Introduction to Women's Studies: Humanities (3) (F,S,SS) (FC: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) (FC: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) (FC: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) (FC: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) (WI*) (FC: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) (WI*) (FC: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) (WI*) (FC: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.

MILITARY PROGRAMS

Steve Duncan, Professor and Director (BA, University of Kentucky; MT, PhD, University of Arizona)
Steven L. Delvaux, Professor and Department Chairperson (BS, United States Military Academy; MA, PhD, Florida State University)
Alexcie A. Herbert, Assistant Professor (BS, Jackson State University)
Toumnakone Khamphengphet, Assistant Professor (BA, University of North Carolina, Greensboro; MA, University of North Carolina, Charlotte)
Andrew R. Phillips, Assistant Professor (BA, Seton Hall University)
Lawrence K. Woodrow, Assistant Professor (BA, Austin College)

THOMAS HARRIOT COLLEGE OF ARTS AND SCIENCES

Department of Anthropology

Linda D. Wolfe, Professor and Chairperson (BA, MA, University of California, Los Angeles; PhD, University of Oregon)
Shahna Arps, Assistant Professor (AB, Ohio University; MA, PhD, Ohio State University)
Christine Avenarius, Assistant Professor (MA, PhD, University of Cologne)
Eric Bailey, Associate Professor (BA, MA, PhD, Wayne State University)
John Roger Bort, Associate Professor (BA, University of Minnesota; MA, PhD, University of Oregon)
E. anthony Boudreaux, III, Assistant Professor (BA, Mississippi State Univeristy; MA University of Alabama; PhD, University of North Carolina, Chapel Hill)
Robert L. Bunger, Associate Professor (BA, Old Dominion University; MA, PhD, Northwestern University)
I. Randolph Daniel, Jr., Associate Professor (BS, Florida State University; PhD, University of North Carolina, Chapel Hill)
Charles R. Ewen, Professor (BA, University of Minnesota; PhD, University of Florida)
Luci M. Fernandes, Teaching Assistant Professor (BA, MA, PhD, Univerity of Connecticut)
David C. Griffith, Professor (BA, University of Iowa; PhD, University of Florida)
Jeffrey Johnson, Adjunct Professor (BA, PhD, University of California, Irvine)
Jami Leibowitz, Teaching Assistant Professor (BA, University of Delaware; MA, PhD, University of Connecticut)
Heidi Luchsinger, Teaching Assistant Professor (BA, Columba University; MA, PhD, Texas A&M University)
Holly F. Mathews, Professor (BA, Georgia State University; PhD, Duke University)
Laura Mazow, Teaching Assistant Professor (AB, MA, PhD, University of Arizona)
Heidi Luchsinger, Teaching Assistant Professor (BA, Barnard College; MA, PhD, Texas A&M University)
Megan Perry, Assistant Professor (BA, Boston University; MA, Case Western Reserve University; PhD, University of New Mexico)
Benjamin Saidel, Assistant Professor (AM, PhD, Harvard University)

Department of Biology

Thomas J. McConnell, Professor and Interim Chairperson (BS, PhD, University of Florida)
Jason E. Bond, Associate Professor (BS, Western Carolina University; MS, PhD, Virginia Polytechnic Institute and State University)
Mark M. Brinson (BS, Heidelberg College; MS, University of Michigan; PhD, University of Florida)
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Anne Bunnell, Teaching Instructor (BA, Mount Holyoke College; MAT, Brown University)
Anthony A. Capehart, Associate Professor (BS, University of North Carolina, Chapel Hill; MS, University of North Carolina, Wilmington; PhD, Wake Forest University)
David R. Chalcraft, Assistant Professor (BS, University of Windsor; MS, Virginia Polytechnic Institute and State University; PhD, University of Illinois)
Tim Christensen, Assistant Professor (BS, University of Utah; PhD, Cornell University)
Robert R. Christian, Professor (AB, Rutgers University; MS, PhD, University of Georgia)
Lisa M. Clough, Associate Professor (BA, Wesleyan University; PhD, State University of New York, Stony Brook)
John W. Conoley, Teaching Assistant Professor (BS, MED, PhD, North Carolina State University)
Mary A. Farwell, Associate Professor (BS, Brown University; PhD, University of California, Berkeley)
Rufus W. Gaul, Teaching Instructor (BS, MS, East Carolina University)
Alexandros G. Georgakilas, Assistant Professor (BS, MS, PhD, University of Athens)

Carol Goodwillie, Associate Professor (BM, Oberlin Conservatory; BS, University of Massachusetts; PhD, University of Washington)
Paul W. Hager, Teaching Assistant Professor (BS, Western Washington State College; PhD, University of California, Berkeley)
Jinling Huang, Assistant Professor (B, Agr Henan Agricultural University; MS, Kunming Institute of Botany; MS, PhD, University of Georgia)
Claudia L. Jolls, Associate Professor (BS, University of Michigan; PhD, University of Colorado)
Elizabeth A. Jones, Teaching Assistant Professor (BS, Bristol Polytechnic; PhD, East Carolina University)
David B. Knowles, Teaching Instructor (BS, Appalachian State University; MS, East Carolina University)
Alfred C. "Trip" Lamb, III, Professor (BS, MS, Auburn University; PhD, University of Georgia)
Joseph J. Luczkovich, Associate Professor of Biology and Associate Scientist for Institute of Coastal and Marine Resources (BA, Lehigh University; MS, Rutgers University; PhD, Florida State University)
Susan B. McRae, Teaching Assistant Professor (BS, Carleton University, Ottawa, Canada; MS, University of Waterloo; PhD, University of Cambridge)
Ronald J. Newton, Professor (BA, University of Northern Colorado; MA, University of Utah; PhD, Texas A&M University)
Anthony S. Overton, Assistant Professor (BS, South Carolina State University; MS, University of Georgia; PhD, University of Maryland)
Cindy Putnam-Evans, Professor (BS, Gardner-Webb College; MS, Clemson University; PhD, University of Georgia)
Enrique Reyes, Associate Professor (PhD, University of New Orleans)
Roger A. Rulifson, Professor of Biology 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, Assistant Professor (BS, PhD, University P. Sabatier)
Matthew O. Schrenk, Assistant Professor (BS, University of Wisconsin; MS, PhD, University of Washington)
Charles A. Singhas, Assistant Professor (BS, MA, Wake Forest University; PhD, University of Virginia)
Edmund J. Stellwag, Associate Professor (BA, University of Virginia; PhD, Medical College of Virginia)
John W. Stiller, Associate Professor (BS, PhD, University of Washington)
Kyle Summers, Associate Professor (BA, University of California, Santa Cruz; MS, PhD, University of Michigan)
Leonard "Lee" F. Sutton, Teaching Assistant Professor (BS, Davidson College; PhD, North Carolina State University)
Heather Vance-Chalcraft, Teaching Assistant Professor (BA, Wittenberg University; PhD, University Of Illinois)
Terry L. West, Associate Professor (BA, Western Washington State University; MS, University of the Pacific; PhD, Duke University)
Alan R. White, Professor and Dean (PhD, University of North Carolina, Chapel Hill)
Nancy M. White, Associate Professor (PhD, North Carolina State University)
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Art A. Rodriguez, Associate Professor (BS, Sul Ross State University; PhD, University of North Texas)
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Jamie Kruse, Professor and Director of the Center for Natural Hazards Research (BS, University of Nebraska; MS, Colorado State University; PhD, University of Arizona)
Craig E. Landry, Assistant Professor (BSA, MS, University of Georgia; PhD, University of Maryland)
Haiyong Liu, Assistant Professor (BS, Peking University; PhD, University of North Carolina, Chapel Hill)
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Department of English

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Seodial Deena, Professor (BA, University of Guyana; MA, Chicago State University; PhD, Indiana University of Pennsylvania)
Slobodanka Dimova, Assistant Professor (BA, Ss, Cyril and Methodius University; MA, PhD, Purdue University)
Thomas E. Douglass, Assistant Professor (BA, Davis and Elkins College; MLS, Indiana University; MA, West Virginia University; MA, PhD, University of North Carolina, Chapel Hill)
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Michelle S. Eble, Assistant Professor (BA, University of Louisiana, Lafayette; MAEd, PhD, Georgia State University)
Julie Fay, Professor (BA, University of Connecticut; MA, Arizona State University; MFA, University of Arizona)
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Marame Gueye, Assistant Professor (BA, MA, Cheikh Anta Diop University; PhD, State University of New York, Binghamton)
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Brent Henze, Associate Professor (BA, Hamilton College; MA, Syracuse University; PhD, Pennsylvania State University)
Thomas Herron, Assistant Professor (BA, Carleton College; MA, PhD, University of Wisconsin)
Ronald W. Hoag, Professor (BA, Middlebury College; MA, Duke University; MA, University of Wisconsin, Milwaukee; PhD, University of North Carolina, Chapel Hill)
James Craig Holte, Professor (BA, Columbia University; MA, PhD, University of Cincinnati)
John Hoppenthaler, Assistant Professor (AA, Rockland Community College; BS State University of New York, Brockport; MFA, Virginia Commonwealth University)
Grace Horne, Teaching Instructor (BA, University of North Carolina, Chapel Hill; MA, East Carolina University)
Joseph Horst, Teaching Instructor (BA, MA, East Carolina University)
Su-ching Huang, Assistant Professor (BA, MA, National Taiwan University; MA, PhD, University of Rochester)
Yice Irizarry, Assistant Professor (BA, Le Moyne College; MA, Purdue University; PhD, Pennsylvania State University)
Donna Kain, Assistant Professor (BA, University of Central Florida; MA, Northeast Missouri State University; PhD, Iowa State University)
James W. Kirkland, Professor (AB, MA, University of Florida; PhD, University of Tennessee)
Amanda Ann Klein, Assistant Professor (BA, Cornell University; MA, PhD, University of Pittsburgh)
Sally Lawrence, Teaching Instructor (BS, College of Charleston; MA, East Carolina University)
Donna Lillian, Assistant Professor (BA York University; BS, University of Western Ontario; MA, University of Toronto; PhD, York University)
Anne Mallory, Assistant Professor (BA, Williams College; BA, Cambridge University; MA PhD, Cornell University)
Stephanie Manley-Rook, Visiting Assistant Professor (BA, Howard University; MA, Texas Woman's University; PhD, Louisiana State University)
Roberta Martin, Associate Professor (BA, University of Redlands; MA, PhD, University of Colorado)
Randall Martoccia, Teaching Instructor (BA, MA, East Carolina University)
Melissa Matyjasik-Parsons, Teaching Instructor (BA, MA, East Carolina University)
Danielle Melvin, Teaching Instructor (BA, MA, East Carolina University)
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Kenneth Parille, Assistant Professor (BA, Central Connecticut State University; MA, PhD, University of Virginia)
Michael M. Parker, Teaching Instructor (BA, Ohio State University; MA, East Carolina University)
Carla Pastor, Teaching Instructor (BA, University College of Belize; MA, East Carolina University)
John Patterson, Teaching Instructor (BA, University of North Carolina, Chapel Hill; MA, East Carolina University)
Zachary Perkinson, Teaching Instructor (BA, MA, East Carolina University)
Barri Piner, Teaching Instructor (BA, University of North Carolina, Wilmington; MA, East Carolina University)
Lisa Proctor, Teaching Instructor (BA, MA, East Carolina University)
Angela Raper, Teaching Instructor (BA, MA, East Carolina University)
Gary Redding, Teaching Instructor (BA, MA, East Carolina University)
Javier Reyes, Teaching Instructor (BA, LeMoyne College; MA, University of Virginia)
Lorraine Robinson, Teaching Instructor (BA, MA, East Carolina University)
Diane Rodman, Teaching Instructor (BA, North Carolina Wesleyan College; MA, East Carolina University)
Roger Schlobin, Visiting Assistant Professor (BA, C.W. Post; MA, University of Wisconsin; PhD, Ohio State University)
Wendy B. Sharer, Associate Professor (BA, Hamilton College; MA, Syracuse University; PhD, Pennsylvania State University)
E. Thomson Shields, Associate Professor (BA, Bucknell University; MA, Western Kentucky University; PhD, University of Tennessee)
Nicole Sidhu, Assistant Professor (BA, University of Toronto; MA, PhD, Rutgers University)
Robert Siegel, Associate Professor (BA, San Francisco State University; MFA, Brooklyn College)
Jennifer Sisk, Teaching Instructor (BA, MA, East Carolina University)
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Sherry G. Southard, Associate Professor (BS, MA, PhD, Purdue University)
Kristi Southern, Teaching Instructor (BA, MA, East Carolina University)
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Sandra K. Tawake, Associate Professor (BA, MA, Ohio University; MA, PhD, University of Hawai'i)
Richard C. Taylor, Associate Professor (BA, Franklin and Marshall College; MA, Millersville University; PhD, Pennsylvania State University)
Laureen A. Tedesco, Assistant Professor (BA, Nicholls State University; MA, University of Louisiana, Lafayette; PhD, Texas A&M University)
Janice K. Tovey, Associate Professor (BS, MA, Illinois State University; PhD, Purdue University)
Mikko Tuhkanen, Assistant Professor (MA, PhD, University of Tampere)
Dennis Turner, Teaching Instructor (BA, MA, East Carolina University)
Reginald Watson, Teaching Instructor (BA, North Carolina Central University; MA, East Carolina University; PhD, Indiana University of Pennsylvania)
Stephanie West-Puckett, Teaching Instructor (BA, North Carolina Wesleyan College; MA, East Carolina University)
Lynn Whichard, Teaching Instructor (BS, MA, East Carolina University)
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Liza Wieland, Assistant Professor (BA, Harvard University; MA, PhD, Columbia University)
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Department of Foreign Languages and Literatures

Frank Romer, Professor and Chairperson (BA, New York University; MA, PhD, Stanford University)
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Juan José Daneri, Assistant Professor (Licenciatura en Lengua y Literatura Inglesa, Universidad Católica de Valparaíso; MA, PhD, Washington University)
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Marco Diaz-Munoz, Teaching Assistant Professor (BA, Albion College; MA, PhD, Michigan State University)
Charles Fantazzi, Teaching Professor (AB, MA, Catholic University; PhD, Harvard University)
Paul Fallon, Assistant Professor (BA, Occidental College; MA, PhD, University of Kansas)
Frédéric Henri Fladenmuller, Associate Professor (BA, Florida International University; MA, PhD, University of North Carolina, Chapel Hill)
Katherine B. Ford, Assistant Professor (AB, Bowdoin College; MA, Middlebury College, PhD, Emory University)
John Given, Assistant Professor (BA, Dickinson College; MA, PhD, University of Michigan)
Howard B. Grabois, Assistant Professor (BA, University of California, Santa Cruz; MA, PhD, Cornell University)
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Birgit Jensen, Associate Professor (BA, University of Florida; MA, PhD, Ohio State University)
Susanne Jones, Assistant Professor (BA, University of Cincinnati; PhD, University of Cincinnati)
Dale Knickerbocker, Associate Professor (BA, MA, Illinois State University; PhD, State University of New York, Stony Brook)
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Javier Lorenzo, Assistant Professor (BA, Universidad Complutense, Madrid, Spain; MA, University of Ottawa; PhD, Pennsylvania State University)
Purificacíon Martínez, Associate Professor (Licenciatura en Filologia Hispanica, Universidad Autonoma de Madrid; MA, PhD, State University of New York, Stony Brook)
Anne-Helen Miller, Assistant Professor (MA, PhD, University of Washington)
Elena Konstantinovna Murenina, Assistant Professor (PhD, Saratov State University)
Miriam Asenjo Reed, Teaching Assistant Professor (BA, University of Puerto Rico; MA, Auburn University; PhD, University of North Carolina, Chapel Hill)
Marcela Ruiz-Funes, Associate Professor (BA, Universidad Nacional de Cordoba; MA, PhD, Virginia Polytechnic Institute and State University)
Michael Jerry Schinasi, Associate Professor (BA, State University of New York, Binghamton; MA, PhD, University of Washington)
David Luther Smith, Assistant Professor (BA, The Citadel; MA, PhD, University of North Carolina, Chapel Hill)
Peter Standish, Professor (BA, PhD, University of Bristol)
John A. Stevens, Associate Professor (BA, MA, University of Iowa; PhD, Duke University)
Nobuaki Takahashi, Teaching Instructor (BA, Kanda University of International Studies; MA, University of Iowa)
Jill Twark, Assistant Professor (BA, MA, Kent State; PhD, University of Wisconsin)
Jennifer Valko, Assistant Professor (BA, University of Colorado; MA, Washington University; PhD, University of California, Davis)

Department of Geography

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Jennifer Arrigo, Assistant Professor (BA, PhD, Boston University)
Jennifer Brewer, Assistant Professor (BA, University of Michigan; MS, University of Maine; PhD, Clark University)
Amy Blizzard, Assistant Professor (BS, PhD, East Carolina University)
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Holly Hapke, Associate Professor (BA, Hamline University; MA, PhD, Syracuse University)
Mohamad Kashef, Assistant Professor (BS, Cairo University, Egypt; MA, American University in Cairo; PhD, University of Waterloo)
Scott Lecce, Associate Professor (AB, University of California, Berkeley; MA, Arizona State University; PhD, University of Wisconsin)
Daniel Marcucci, Assistant Professor (BA, Harvard University; MLA, PhD, University of Pennsylvania)
Karen Mulcahy, Assistant Teaching Professor (BA, MA, PhD, City University of New York)
Rosana Nieto Ferreira, Assistant Professor (BS, MA, University of São Paulo; PhD, Colorado State University)
E. Jeffrey Popke, Associate Professor (BA, Dartmouth University; MA, PhD, University of Kentucky)
Thomas Rickenbach, Assistant Professor (BS, University of California, Berkeley; MS, PhD, Colorado State University)
Hong-Bing Su, Assistant Professor (BA, Beijing University, MS, Chinese Academy of Sciences; PhD, University of California, Davis)
Rebecca Torres, Associate Professor (BA, University of Wisconsin, Madison; MS, PhD, University of California, Davis)
Scott E. Wade, Teaching Instructor (BA, University of North Carolina, Chapel Hill; MA, East Carolina University)
Yong Wang, Associate Professor (BS, Northwestern Polytechnic University; MA, PhD, University of California, Santa Barbara)
Thad Wasklewicz, Associate Professor (BS, Plymouth State College; MA, PhD, Arizona State University)
Mulatu Wubneh, Professor and Director, Planning Program (BA, Haile Selassie University; MA, MURP, PhD, Florida State University)

Department of Geological Sciences

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Martin A. Buzas, Adjunct Professor (BS, University of Connecticut; MSc, Brown University; PhD, Yale University)
D. Reide Corbett, Associate Professor (BS, MS, PhD, Florida State University)
Stephen B. Harper, Teaching Associate Professor (BS, MS, University of North Carolina, Chapel Hill; PhD, University of Georgia)
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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.

APPENDIX

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.

(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 refereed 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

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, national origin, age, or disability."

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 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/eeo.

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 officers are Damon Davis and LaKesha Alston. The Office of Equal Opportunity and Equity is located in 107 Whichard; 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 Veteran's 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, 107 Whichard, 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 harass-ment 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 environ-ment

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, 107 Whichard Building; telephone 252-328-6804. The associate EEO officers are Damon Davis and LaKesha Alston, whose offices are located in the Whichard Building, Rooms 204 and 205, telephone 252-328-1957 or 252-328-2737.

RACIAL AND ETHNIC HARASSMENT POLICY

Section I. Rationale

The faculty, staff, administration, and students of East Carolina University maintain that it is important to create an atmosphere in which instances of racial and ethnic harassment are discouraged. Well-publicized policies and procedures such as these will help to create an atmosphere in which individuals who believe that they are the victims of racism or ethnic harassment are assured that their grievances will be dealt with in a timely, confidential, fair, and effective manner. Toward this end, all members of the university community should understand that racial and ethnic harassment violates university policy and will not be condoned. Members of the university community are encouraged to express freely, responsibly, and in an orderly way their opinions and feelings about any problem or complaint of harassment prohibited under these policies. Any act by a university employee or student of reprisal, interference, restraint, penalty, discrimination, coercion, or harassment against a student or an employee for using these policies responsibly interferes with free expression and openness and violates this policy. Accordingly, members of the university community are prohibited from acts of reprisal against those who bring charges or are involved as witnesses or otherwise try to responsibly use this policy.

Section II. Racial and Ethnic Harassment Policy

A. Introduction. Racial and/or ethnic harassment endangers the environment of tolerance, civility, and mutual respect that must prevail if the university is to fulfill its mission. Such harassment will not be condoned by members of the university community. This policy is the university's statement of its intent to protect its educational environment by prohibiting specific forms of racial and/or ethnic harassment. The university recognizes that the free and unfettered interchange of competing views is essential to the institution's educational mission, and that the peoples' right to express opinions is guaranteed by the United States Constitution.

B. Definitions. The following constitute racial and/or ethnic harassment:

a. Singling out people because of their race or ethnic affiliation and subjecting them to unequal or unfair treatment.

b. Harming, attempting to harm, or threatening to harm people because of their race and/or ethnic affiliation.

C. Policy. It is the responsibility of members of the university community to strive to create an environment free of racial and/or ethnic harassment.

C-1. It is against the policies of East Carolina University for its employees or students to single out employees or students of the university because of their race or ethnic affiliation and subject them to unequal or unfair treatment.

C-2. It is against the policies of East Carolina University for its employees or students to single out employees or students of the university or visitors to the university because of their race or ethnic affiliation and subject them to conduct which causes severe emotional disturbance.

Section III. Grievances Against East Carolina University Students

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*.

Section IV. Grievances Against East Carolina University Staff

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*, Volume 2, Section VIII.

Section V. Grievances Against East Carolina University Faculty Members or Administrators Holding Faculty Status

Complaints brought against East Carolina University faculty members or administrators holding faculty status by East Carolina University students, faculty, staff, administrators, or visitors ordinarily are governed by the grievance procedures stated in the *East Carolina University Faculty Manual*, Appendix X. However, if a faculty member raises allegations of racial or ethnic harassment or discrimination during a hearing he or she requested before the Due Process Committee, the Reconsideration Committee, or the Faculty Hearing Committee (in accordance with the policies and procedures set forth in the *East Carolina University Faculty Manual*, Appendix D), the relevant committee shall determine the merits and bearing, if any, of the allegations raised by the faculty member on the matter before the committee. Such actions by the Due Process Committee, the Reconsideration Committee, or the Faculty Hearing Committee shall not preclude a faculty member from independently bringing a complaint of racial or ethnic harassment or discrimination in accordance with the grievance procedures stated in the *East Carolina University Faculty Manual*, Appendix X. The outcome of an Appendix X grievance brought by a faculty member against other faculty members or administrators holding faculty status either may be appealed in accordance with the provisions for appeal set forth in section J of Appendix X or may be appealed before the Faculty Affairs Committee in accordance with the policies and procedures set forth in Appendix D of the *East Carolina University Faculty Manual*, but not both.

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BUILDING ABBREVIATIONS

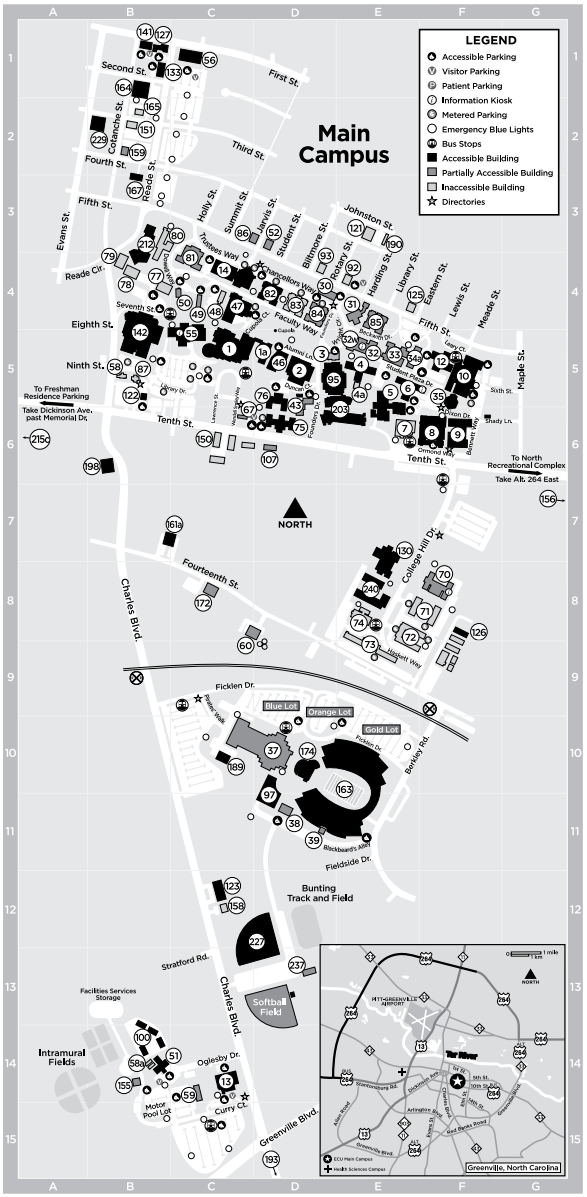
USED ON STUDENT SCHEDULES
KEYED TO MAP

A	6	Austin Building
AH	13	Belk Building
B	5	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	Howell Science Complex-North
BS	5	Howell Science Complex-South
C		Clinic
CH	7	Christenbury Memorial Gym
CL	123	Irons Building
EL	58	Eller Building
F	2	Flanagan Building
GC	95	Bate Building
GR	3	Graham Building
H	91	Pitt County Memorial Hospital
HE	10	Rivers Building
J	14	Jenkins Fine Arts Center
L	1	Joyner Library
LA	1	Joyner Library Basement
MB	9	Fletcher Music Center
MC	37	Minges Coliseum
MS	15	Brody Medical Sciences Building
MT	33	McGinnis Auditorium
NB	10	Rivers Building
NC	47	Old Cafeteria Building
PE	5	Howell Science Complex
R	4	Rawl Building
RG	85	Ragsdale Building
SM	97	Ward Sports Medicine Building
SP	12	Speight Building
SZ	203	Science and Technology Building
TA	34	Messick Theatre Arts Center
TL		Industry and Technology Annex
WA	32	Wright Annex
WB	31	Whichard Building

MAIN CAMPUS

Alphabetical Listing of Buildings and Other Facilities

47 1 Card Office (C4)
151 Administrative Support Annex (B2)
31 Admissions (E4)
14 Art and Design, School of (C4)
95 Arts and Sciences, Thomas Harriot College of (D5)
237 Athletic Grounds Storage (D13)
39 Athletic Ticket Office (D11)
6 Austin Building (E5)
95 Bate Building (D5)
95 BB&T Center for Leadership Development (D5)
59 Belk Annex 1 (C14)
13 Belk Building (C14)
67 Blount House (ECU Police) (C6)
155 Blount Recreational Sports Complex (B14)
50 Bloxton House (C4)
8 Brewster Building (F6)
123 Building 123 (C12)
127 Building 127 (B1)
141 Building 141 (B1)
158 Building 158 (C12)
159 Building 159 (B2)



165 Building 165 (B2)
172 Building 172 (C8)
189 Building 189 (C10)
198 Building 198 (B6)
215c Building 215c (A6)
95 Business, College of (D5)

Campus Dining
142 Center Court (B5)
35 Croatan (F5)
55 Destination 360 (C5)
70 Galley, The (F8)
130 Todd Dining Hall (E7)
212 West End Dining Hall (B3)
32 Wright Place, The (E5)

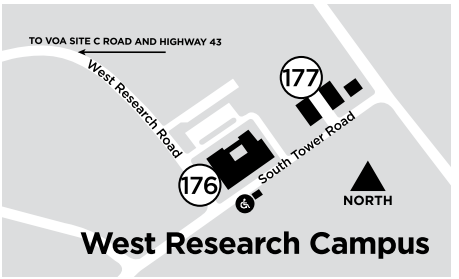
52 Career Services (D3)
47 Cashier's Office (C4)
215c Central Stores and Receiving (A6)
86 Chancellor's Residence (D3)
7 Christenbury Memorial Gymnasium (E6)
227 Clark-LeClair Stadium (D12)
164 Cotanche Building (B1)
76 Disability Support Services (D5)
163 Dowdy-Ficklen Stadium (E10)
32 Dowdy Student Stores (E5)
12 Education, College of (F5)
167 Environmental Health and Safety Building (B3)
58 Eller House (B5)
49 Erwin Building (C4)
121 Facilities Administration (E3)
190 Facilities Annex (E3)
126 Facilities Service Center (F8–F9)
126 Facilities Services Eppes Complex (F8–F9)
100 Facilities Services Grounds Complex (B14)
60 Facilities Services Steam Plant (D8)
161a Facilities Warehouse (B7)
107 Family Therapy Clinic (D6)
47 Financial Aid Office (C4)
133 Financial Services Building (B1)
49 Fine Arts and Communication, College of (C4)
2 Flanagan Building (D5)
9 Fletcher Music Center (F6)
85 Graduate School (E4)
3 Graham Building (D5)
193 Greenville Centre (D15)
156 Harris Building (G7)
37 Health and Human Performance, College of (D10)
92 Howard House (E4)
5 Howell Science Complex (E5–E6)
10 Human Ecology, College of (F5)
127 Human Resources (B1)
87 International House (B5)
51 Irons Building (B14)
14 Jenkins Fine Arts Center (C4)
1 Joyner Library (C5)
1a Joyner East (D5)
50 Ledonia Wright Cultural Center (Bloxton House) (C4)
43 Mail Services (D5)
48 Mamie Jenkins Building (C4)
58a Maritime Conservation Lab (B14)
141 Materials Management (B1)
33 McGinnis Theatre (E5)
55 Mendenhall Student Center (C5)
34a Messick Theatre Arts Centre (E5)
37 Minges Coliseum (D10)
174 Murphy Center (D10)
9 Music, School of (F6)
92 News and Communication Services (E4)
47 Old Cafeteria Complex (C4)
122 Parking and Transportation Services (B5)
39 Pirate Club Building (D11)
67 Police, ECU (Blount House) (C6)
150 Professional Center (C6)

85 Ragsdale Hall (E4)
4 Rawl Building (E5)
4a Rawl Annex (E5)
56 Regional Development Institute (C1)
31 Registrar (E4)

Residence Halls
71 Aycock (F8)
73 Belk (E9)
79 Clement (B4)
240 College Hill Suites (E8)
84 Cotten (D4)
83 Fleming (D4)
80 Fletcher (B3)
81 Garrett (C4)
77 Greene (B4)
82 Jarvis (D4)
70 Jones (F8)
72 Scott (E8)
74 Tyler (E8)
75 Umstead (D6)
78 White (B4)

10 Rivers Building (F5)
38 Scales Field House (D11)
203 Science and Technology Building (E6)
229 Self-Help Building (B2)
76 Slay Hall (D5)
12 Speight Building (F5)
30 Spilman Building (D4)
60 Steam Plant (D8)
55 Student Center, Mendenhall (C5)
46 Student Health Services (D5)
47 Student Loans Office (C4)
229 Student Media (Self-Help Building) (B2)
142 Student Recreation Center (B5)
32 Student Stores, ECU-Dowdy (E5)
93 Taylor-Slaughter Alumni Center (D4)
203 Technology and Computer Science, College of (E6)
34a Theatre and Dance, School of (E5)
125 Ward Guest House (E4)
97 Ward Sports Medicine Building (D11)
212 West End Dining Hall (B3)
31 Whichard Building and Annex (E4)
37 Williams Arena at Minges Coliseum (D10)
56 Willis Building (C1)
32 Wright Annex (E5)
32w Wright Auditorium (E5)

HEALTH SCIENCES CAMPUS



239 Allied Health Sciences, School of (Y4)
109 Alumni and Development (X5)
113 Biotechnology Building/Pediatric Outpatient Center (X4)

15 **Brody Medical Sciences Building** (X4–X5)
15a Administration (X5)
15c Brody Outpatient Center (X4)
15d Brody Auditorium (X5)

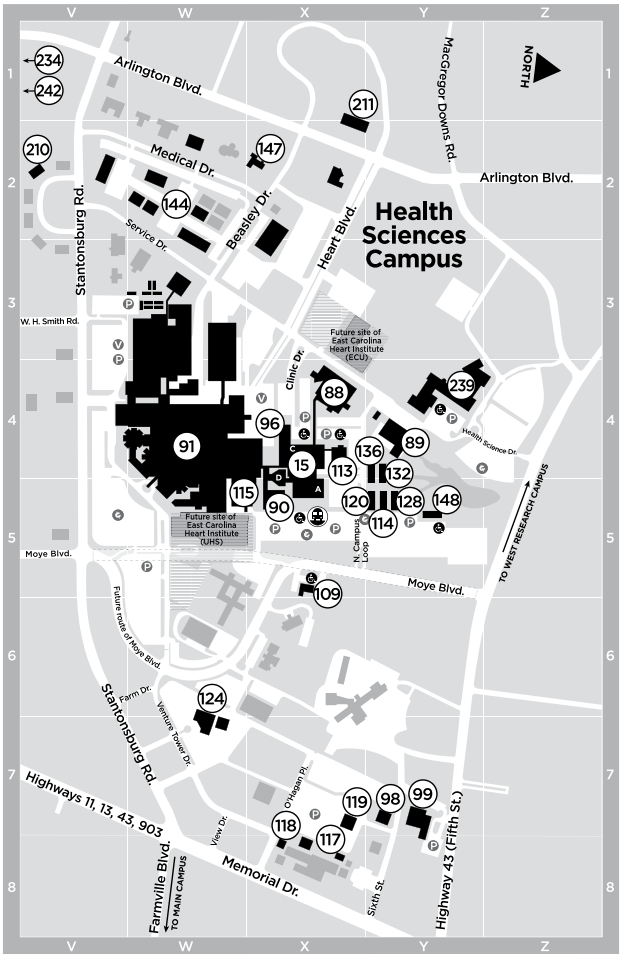
177 Coastal Studies Annex (See West Research Campus inset.)

144 **Doctors Park**
Suite 1—Psychiatric Medicine (W2)
Suite 2—Adult and Pediatric Health Care (W2)

210 ECU Gastroenterology (V2)
242 ECU Pediatric Specialty Care (V1)
147 ECU Plastic Surgery (X2)
234 ECU Women's Physicians (V1)
89 Facilities Services Utility Plant (Y4)
115 Family Medicine Center (W5)
239 Health Sciences Building (Y4)

Lakeside Annex
132 Modular 1—Administrative Support (Y4)
136 Modular 2—Health Information Services/Systems (Y4)
128 Modular 3—Personal Counseling Center/ News and Information (Y5)
114 Modular 4—Diabetes Research (Y5)
120 Modular 5—Family Medicine Research (Y5)
148 Modular 7—Clinical Skills Assessment/Education (Y5)

239 Laupus Library (Y4)
90 Leo W. Jenkins Cancer Center (X5)
96 Magnetic Resonance Imaging and Gamma Knife (X4)
99 Medical Pavilion (Y7)



124 Monroe Center/EAHEC/Venture Tower (W7)
98 MPH Program (Y7)
211 Nephrology/Dialysis Center (X1)
239 Nursing, School of (Y4)

Physicians Quadrangle
118 EMS Division, Building M (X8)
117 Geriatrics, Building C (X8)
119 Health Services Research and Development, Building N (X7)

91 Pitt County Memorial Hospital (W3–W5)
88 Warren Life Sciences Building (X4)
176 West Academic Building (See West Research Campus inset.)