Undergraduate Curriculum Committee (UCC) Meeting Minutes
Thursday, November 10, 2016 - 2:00 PM
Brewster B-104

Regular Members Present:
Michael Dingfelder
Gail Ratcliff
Jean-Luc Scemama - Chair
David Batts
Mark Richardson
Karen Vail-Smith – Vice Chair
Nancy Spaulding

Regular Members Excused:
Mark Johnson

Ex-Officio Members Present:
Josie Bowman-Secretary
Lori Flint
Patrick Rider
David Wilson-Okamura
Rachelle Benavidez - Student Rep. for Ryan Beeson

Institutional Planning and Accreditation:
Karen Traynor
Patricia Gregory---Excused

Office of the Registrar:
Diane Coltraine

I. Call to order.

II. Office of the Provost
(Ron Mitchelson)

- Business and Information and Technology Education Report

  Dr. Mitchelson presented an overview of the history of the BITE program and the rationale for discontinuing this program including that the program was not mission centered. Tenured-faculty in the department were re-assigned. Students currently enrolled will have 2 years to complete the program of study. The discontinuation of the program frees up and re-allocated resources.

III. UCC Officers
(Jean-Luc Scemama, Karen Vail-Smith)

  In order to speed up the process, proposals were already pre-reviewed by D. Coltraine, Dr. Scemama and K. Vail-Smith before to be assigned to members of the committee.

  Redistribution of Foundations Curriculum credits
  Action:

  The following packages were approved as presented:

  African American Studies, BA, Anthropology, BA, Applied Geography, BS, Applied Sociology, BS, Art Education, BFA, Athletic Training, BS, Biochemistry, BS, Biology, General, BS, B-K Teacher Education, B, Chemistry-BA, Chemistry-BS, Child Life, BS, Clinical Laboratory Science, BS, Communication, BS, Computer
Science, BA, Computer Science, BS, Criminal Justice, BS, Dance, BFA, Design, BS, Economics, BA, Economics, BS, Elementary Education, BS, English, BA, Environmental Health, BS, Exercise Physiology, BS, Family and Community Services, BS, Fashion Merchandising and Consumer Studies, BS, Geographic Information Science and Technology, BS, Geography, BA, Geology, BS, Health Information Management, BS, History, BA, History, Secondary Education, BS, Mathematics, BA, Mathematics, BS, Mathematics, Secondary Education, BS, Middle Grades Education, BS, Multidisciplinary Studies, BA, Music, BM, Music Education, BM, Nursing, BS, Philosophy, BA, Physical Education, BS, Political Science, BA, Political Science, BS, Psychology, BA, Public Health Studies, BS, Recreation and Park Management, BS, Recreational Therapy, BS, Rehabilitation Services, BS, Social Work, BSW, Sociology, BA, Speech and Hearing Sciences, BS, Sport Studies, BS, Theater Arts BFA, Theater Arts Education, BFA, Theater Arts, BA, Urban and Regional Planning, BS

The following packages were tabled until next UCC meeting pending modifications or clarifications:

Construction Management, BS, Engineering, BS, English, Secondary Education, BS, Finance, BSBA, Foreign Language and Literature, BA, Health Fitness Specialist, BS, Health Services Management, BS, Hospitality Management, BS, Information and Computer Technology, BS, Management Information Systems, BSBA, Management, BSBA, Marketing, BSBA, Nutrition and Dietetics, BA, Physics, BS, Science Education, BS, Special Education, Adapted Curriculum, BS, Special Education, General Curriculum, BS, University Studies, BS

IV. Old Business
(Lori Flint, Rita Reaves)

- Proposed changes to Academic Program Planning, Curricular Procedures & Timelines

At the October 27th and November 10th Undergraduate Curriculum Committee meetings, Dr. Flint explained the rationale for consideration of changes to our curriculum development processes and to academic program planning timelines and processes. Lively discussion ensued at both meetings with the following recommendations from the UCC:

1. That the levels of approval in the draft document dated 9/14/16 be adopted for Fall, 2017, with the advent of the Curriculog system;
2. That changes to the timeline for new program development be adopted, with the bulk of new program vetting occurring at the Request to Plan stage, rather than the current Request to Plan and Request to Establish stages. This was agreed upon with assurance that quality control measures remain in place to ensure programmatic rigor;
3. While the UCC membership agreed upon delegated authority for curriculum development, they expressed concerns about the idea of holding a summer meeting of the UCC. Reasons included lack of faculty availability, and fear that faculty planners might put off curricular development, knowing they could be heard in the summer instead of during the academic year. The majority did, however, feel that a post August 15th meeting could be appropriate;
4. That Faculty Senate Committee on Committees and UCC work together to restructure the UCC, possibly to include alternates, or maybe even a second, mirror committee.

V. New Business

- Goals for the 2016-2017 academic year: Tabled until next meeting.

Adjourned at: 5pm

Minutes submitted by J. Bowman
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<th>Curricular Actions Reviewed 11/10/16</th>
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African and African American Studies, BA

Kenneth Wilburn, Interim Director, A318 Brewster Building

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 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 120 s.h. of credit as follows:

1. **Foundations curriculum requirements** - 42 40 s.h.

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*.)

2. **Demonstrated foreign language proficiency through level 1004** - 12 s.h.

(For information about the foreign language requirement see *Additional Requirements for BA Degrees* and *Placement Testing, Foreign Language*.)

3. **Core** - 9 s.h.

   - AAAS 1000 - Introduction to African and African American Studies
   - AAAS 2500 - Theory and Methods in African and African American Studies
   - AAAS 4000 - Senior Seminar

4. **Concentration** - 21 s.h.

(Choose 9 s.h. from any one of the following concentrations and 12 s.h. from any combination of courses from the 3 concentrations to complete the 21 s.h. requirement.)

**African Concentration:**
- AAAS 2000 - Study Abroad
- ANTH 3003 - Cultures of Africa
- ART 2906 - West and Central African Art
- ARTH 3970 - African Art
- ENGL 3280 - African Literature
- FREN 2443 - Readings in the Francophone Cultures of Africa
- GEOG 3050 - Africa
- HIST 3810 - History of Africa
- HIST 3820 - History of South Africa
- HIST 3830 - Africa and Islam
- POLS 3265 - African Political Systems
- RELI 3694 - Religions of Africa

**African American Concentration:**

- ARTH 3975 - African American Art
- DNCE 1013 - Jazz Dance I
- DNCE 1023 - Jazz Dance II
- ENGL 3260 - African American Literature
- ENGL 4340 - Ethnic American Literature
- HIST 3110 - History of African-Americans
- HIST 5230 - Themes in African American History
- HLTH 3020 - Health Disparities
- JUST 3700 - Race, Gender and Special Populations in the Criminal Justice System
- MUSC 2258 - History of Jazz Music
- PHIL 2455 - Introduction to Africana Philosophy
- POLS 3039 - Black Politics in America
- PSYC 2777 - Ethnocultural Psychology
- SOCI 1010 - Race, Gender, Class
- SOCI 4345 - Racial and Cultural Minorities
- SOCI 4347 - Social Inequality

**Caribbean, Latin America and the Diaspora Concentration:**

- ANTH 2760 - Afro-Caribbean Language And Culture
- ANTH 3016 - Cultures of the Caribbean
- ANTH 3115 - Caribbean Archaeology
- ENGL 4380 - Studies in African American and African Diaspora Literatures
- GEOG 3049 - Latin America
- HIST 3710 - Introduction to Latin-American History: Colonial Period
- HIST 3711 - Introduction to Latin-American History: Since 1808
- HIST 5130 - Comparative History of New World Slavery and Race Relations
5. Minor and general electives to complete requirements for graduation.
Applied Geography, BS

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

1. Foundations curriculum requirements including the following - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- MATH 1065 - College Algebra

2. Core - 7 s.h.

- GEOG 2400 - Spatial Data Analysis
- GEOG 2410 - Fundamentals of GIS
- GEOG 4999 - Geography Professional Seminar

3. Concentration areas - 39 s.h.

Environmental:

(Choose 15 s.h. from the following.)

- ATMO 3520 - Dynamic Meteorology
- ATMO 3550 - Principles of Synoptic Meteorology
- ATMO 4520 - Boundary Layer Meteorology
- ATMO 4525 - Dynamic Meteorology II
- ATMO 4550 - Applied Synoptic Meteorology: Analyses and Forecasting

- ATMO 1300 - Weather and Climate or
- GEOG 1250 - The Water Planet or
- GEOG 1300 - Weather and Climate

- GEOG 2250 - Earth Surface Systems
- GEOG 2300 - Geography of Environmental Resources
- GEOG 2510 - Physical Meteorology
- GEOG 3220 - Soil Properties, Surveys, and Applications
- GEOG 3230 - Global Climates
- GEOG 4210 - Fluvial and Hydrological Processes
- GEOG 4220 - Coastal Geography
- GEOG 4230 - Earth Surface Processes
- GEOG 4250 - Environmental Impact Analysis
- GEOG 4291 - Supervised Study in Physical Geography
• GEOG 4292 - Supervised Study in Physical Geography
• GEOG 4293 - Supervised Study in Physical Geography
• GEOG 4510 - Meteorological Instruments and Observations
• GEOG 4530 - Micrometeorology
• GEOG 4540 - Coastal Storms
• GEOG 4580 - Radar and Satellite Meteorology
• GEOG 4590 - Tropical Meteorology
• GEOG 4900 - Honors Research
• GEOG 5220 - Physical Geography Field Experience
• GEOG 5281 - Selected Topics in Physical Geography
• GEOG 5282 - Selected Topics in Physical Geography
• GEOG 5283 - Selected Topics in Physical Geography

Geographic information science:

(Choose 9 s.h. from the following.)

• GEOG 3420 - Remote Sensing of the Environment I
• GEOG 3430 - Geographic Information Systems I
• GEOG 3450 - Introduction to the Global Positioning System
• GEOG 3460 - GIS Applications Programming
• GEOG 4150 - Advanced Spatial Analysis
• GEOG 4410 - Advanced Cartographic Design and Production
• GEOG 4420 - Remote Sensing II
• GEOG 4430 - Geographic Information Systems II
• GEOG 4440 - Coastal Applications of GIS
• GEOG 4450 - GIScience, Society and Technology
• GEOG 4460 - Digital Terrain Analysis
• GEOG 4491 - Supervised Study in Geographic Techniques
• GEOG 4492 - Supervised Study in Geographic Techniques
• GEOG 4493 - Supervised Study in Geographic Techniques
• GEOG 4900 - Honors Research

Human:

(Choose 15 s.h. from the following.)

• GEOG 1000 - People, Places, and Environments
• GEOG 2003 - Geography in the Global Economy
• GEOG 2019 - Geography of Recreation
• GEOG 2100 - World Geography: Developed Regions
• GEOG 2110 - World Geography: Less Developed Regions
• GEOG 2350 - Climate Change: Science and Society
• GEOG 3001 - Historical Geography of the United States
• GEOG 3003 - Political Geography
• GEOG 3004 - Urban Geography
• GEOG 3049 - Latin America
• GEOG 3050 - Africa
• GEOG 3051 - Asia
• GEOG 3055 - North Carolina
• GEOG 3250 - Environmental Hazards
• GEOG 4140 - Research Methods in Human Geography
• GEOG 4191 - Supervised Study in Regional Geography
• GEOG 4192 - Supervised Study in Regional Geography
• GEOG 4193 - Supervised Study in Regional Geography
• GEOG 4270 - Water Resources Management and Planning
• GEOG 4310 - Geography of Transportation and Trade
• GEOG 4315 - Geographic Images
• GEOG 4320 - Gender, Economy, and Development
• GEOG 4325 - Resources, Population, and Development
• GEOG 4330 - Agricultural Geography
• GEOG 4335 - Geography of Tourism
• GEOG 4340 - Introduction to Medical Geography
• GEOG 4360 - Geographies of Global Climate and Environmental Change
• GEOG 4391 - Supervised Study in Human Geography
• GEOG 4392 - Supervised Study in Human Geography
• GEOG 4393 - Supervised Study in Human Geography
• GEOG 4900 - Honors Research
• GEOG 5393 - Seminar in Human Geography

4. Internship - 3 s.h.

(Choose a maximum of 3 s. h. of supervised study from the following.)

• GEOG 4801 - Geographic Internship or
• GEOG 4802 - Geographic Internship or
• GEOG 4803 - Geographic Internship

5. Minor and general electives to complete requirements for graduation.
Anthropology, BA
Minimum degree requirement is 120 s.h. of credit as follows:

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

(For information about the foreign language requirement see Additional Requirements for BA Degree and Placement Testing, Foreign Language.)

3. Core - 16-17 s.h.

- ANTH 2000 - Archaeology Around the World

- ANTH 2010 - Societies Around the World or
  ANTH 2200 - Introduction to Cultural Anthropology

- ANTH 2015 - Introduction to Biological Anthropology
- ANTH 2016 - Biological Anthropology Laboratory
- ANTH 4025 - Theory in Anthropology

Choose one course from a, b, or c:

a.

- ANTH 3050 - Ethnographic Field Methods or
  ANTH 3176 - Cultural Anthropology Field School I

b.

- ANTH 3077 - Archaeological Methods or
  ANTH 3175 - Archaeological Field Training
c.
4. Electives - 15 s.h.

(Choose courses above 2999. It is recommended that at least one course be chosen from each of the following subfields.)

**Archaeology:**

- ANTH 3011 - Hunter-Gatherer Lifeways
- ANTH 3012 - Lifeways of Pastoral Nomads
- ANTH 3111 - North American Archaeology

- ANTH 3113 - Archaeology of the Old Testament World or
- RELI 3113 - Archaeology of the Old Testament World

- ANTH 3114 - Archaeology of the New Testament World or
- RELI 3114 - Archaeology of the New Testament World

- ANTH 3115 - Caribbean Archaeology
- ANTH 3116 - Latin American Archaeology
- ANTH 3117 - Prehistory of the Middle East
- ANTH 3118 - Pyramids, Pharaohs, and Mummies: The Archaeology of Ancient Egypt
- ANTH 3175 - Archaeological Field Training
- ANTH 4201 - Special Topics in Archaeology
- ANTH 5120 - Archaeology of the Southeastern US
- ANTH 5125 - Historical Archaeology
- ANTH 5126 - Public Archaeology

**Biological Anthropology:**

- ANTH 3020 - Primate Behavior and Social Organization
- ANTH 3026 - Forensic Anthropology
- ANTH 3027 - Human Health and Disease Ecology
- ANTH 3028 - Human Adaptation and Variation
- ANTH 3030 - Death and Disease in the Classical World
- ANTH 4203 - Special Topics in Biological Anthropology
- ANTH 4225 - Human Evolution
Cultural Anthropology:

- ANTH 3002 - Cultures of East Asia
- ANTH 3003 - Cultures of Africa
- ANTH 3004 - Cultures of the South Pacific
- ANTH 3005 - North American Indians
- ANTH 3013 - Cultures of Mainland Southeast Asia
- ANTH 3009 - Motherhood of God in Asian Traditions
- ANTH 3016 - Cultures of the Caribbean
- ANTH 3017 - Cultures of Mexico and Guatemala
- ANTH 3018 - Cultures of South and Central America
- ANTH 3150 - Applying Anthropology to Contemporary Cultural Issues
- ANTH 3176 - Cultural Anthropology Field School I
- ANTH 3177 - Cultural Anthropology Field School II
- ANTH 3200 - Women's Roles in Cross-Cultural Perspective
- ANTH 3252 - Medical Anthropology

- ANTH 3720 - Writing Systems of the World or
- ANTH 3770 - Language Universals

- ANTH 4050 - Psychological Anthropology
- ANTH 4054 - Anthropology of Religion
- ANTH 4202 - Special Topics in Cultural Anthropology
- ANTH 4260 - Cultural Ecology
- ANTH 4501 - Independent Study
- ANTH 4502 - Independent Study
- ANTH 4503 - Independent Study
- ANTH 4550 - Anthropology Honors
- ANTH 4551 - Anthropology Honors
- ANTH 4990 - Internship in Applied Anthropology
- ANTH 4991 - Advanced Internship in Applied Anthropology
- ANTH 5030 - Economic Anthropology

5. Minor and general electives to complete requirements for graduation.
Applied Sociology, BS

Sociology majors must earn a minimum grade of C (2.0) in SOCI 2110. Minimum degree requirement is 120 s.h. of credit as follows:

1. Foundations curriculum including those listed below - **42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

- COMM 2410 - Public Speaking
- PHIL 1180 - Introduction to Critical Reasoning or
  PHIL 2261 - Introduction to Philosophy of Science

2. Common core - 33 s.h.

- SOCI 2110 - Introduction to Sociology
- SOCI 2111 - Modern Social Problems
- SOCI 3213 - Methods of Research
- SOCI 3216 - Introduction to Social Statistics
- SOCI 4385 - Theoretical Perspectives and Applications
- SOCI 4800 - Senior Seminar
- Choose 15 s.h. of SOCI electives (at least 9 s.h. must be above the 1999 level)

3. Minor or concentration area - at least 18 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 (24 s.h.)**

- SOCI 4200 - Advanced Techniques in Quantitative Sociology
- SOCI 4201 - Advanced Techniques in Applied Research

*Choose one from:*

- SOCI 3215 - Introduction to Qualitative Sociology
- SOCI 4202 - Special Topics in Applied Social Research
• SOCI 4950 - Practicum in Sociology

Choose 15 s.h., including at least two disciplines other than sociology from:

- ANTH 3050 - Ethnographic Field Methods
- COMM 2030 - Communication Research
- COMM 3110 - Persuasion Theories
- COMM 3180 - Intercultural Communication
- ECON 2113 - Principles of Microeconomics
- ECON 2133 - Principles of Macroeconomics
- GEOG 2003 - Geography in the Global Economy
- GEOG 3430 - Geographic Information Systems I
- MKTG 3832 - Marketing Management
- MKTG 4662 - Marketing Research
- MKTG 4732 - Consumer Behavior
- PLAN 3021 - Introduction to Planning Techniques
- PLAN 3022 - History and Theory of Planning
- POLS 3242 - Municipal Policy and Administration
- POLS 3252 - Public Administration
- POLS 3253 - Government Fiscal Administration
- POLS 3255 - Domestic Public Policy
- PSYC 3241 - Personnel and Industrial Psychology
- SOCI 3235 - Population Trends and Problems
- SOCI 3410 - Introduction to Maritime Sociology
- SOCI 5500 - Seminar in Population

Law and Society (24 s.h.)

- SOCI 4320 - Sociology of Law or
- SOCI 4322 - Law and Social Change

Choose 21 s.h., including at least two disciplines other than sociology from:

- ECON 3030 - Antitrust and Regulation
- FINA 2244 - Legal Environment of Business
- JUST 1000 - Introduction to Criminal Justice
- JUST 3500 - Principles of Criminal Law
- PHIL 1175 - Introduction to Ethics
- PHIL 1180 - Introduction to Critical Reasoning
- PHIL 1500 - Introduction to Logic
- PHIL 2275 - Professional Ethics
- PHIL 2282 - Philosophy of Law
- POLS 3204 - The American Judiciary
- POLS 3223 - Constitutional Powers
- POLS 3224 - Civil Liberties
- POLS 3252 - Public Administration
• SOCI 4320 - Sociology of Law or
• SOCI 4322 - Law and Social Change

• SOCI 4330 - Criminology
• SOCI 4950 - Practicum in Sociology
• SOCI 5300 - Seminar in Juvenile Delinquency

Marriage and Family (24 s.h.)

• SOCI 4325 - Marriage and the Family

Choose 21 s.h. including at least two disciplines other than sociology from:

• ANTH 3200 - Women's Roles in Cross-Cultural Perspective
• HDFS 2000 - Child Development I: Prenatal Through Early Childhood
• HDFS 3002 - Child in the Family
• HDFS 4303 - Families and Cultural Diversity
• HDFS 4313 - Trends and Issues in Family Studies
• COMM 4130 - Conflict and Communication
• COMM 4135 - Gender and Communication
• GER0 2400 - Introduction to Gerontology
• HIST 3140 - Women in American History
• PSYC 2201 - Psychology of Childhood
• PSYC 3206 - Developmental Psychology
• SOCI 1025 - Courtship and Marriage
• SOCI 3235 - Population Trends and Problems
• SOCI 3325 - Sociology of Human Sexuality
• SOCI 4327 - Gender and Adolescence
• SOCI 4950 - Practicum in Sociology
• SOCI 5335 - Sociology of Marriage Problems
• SOCI 5400 - Seminar in Gender Roles
• SOCI 5600 - Seminar in Aging
• SOCI 5800 - Seminar in the Family
• SOCW 2400 - Introduction to Gerontology
• SOCW 4501 - Crisis Intervention

Social Diversity (24 s.h.)

Choose 6 s.h. from:

• SOCI 3400 - Introduction to Gender and Society
• SOCI 4345 - Racial and Cultural Minorities
• SOCI 4347 - Social Inequality

Choose 3 s.h. from:
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
- ANTH 3003 - Cultures of Africa
- ANTH 3004 - Cultures of the South Pacific
- ANTH 3005 - North American Indians
- ANTH 3016 - Cultures of the Caribbean
- ANTH 3017 - Cultures of Mexico and Guatemala
- ANTH 3018 - Cultures of South and Central America
- ANTH 3200 - Women's Roles in Cross-Cultural Perspective
- ETHN 2002 - Introduction to Ethnic Studies: Social Science
- GEOG 4320 - Gender, Economy, and Development
- GERO 2400 - Introduction to Gerontology
- GERO 5400 - Seminar in Aging Studies
- INTL 1000 - Introduction to International Studies
- INTL 2003 - Introduction to Chinese Culture
- INTL 2004 - Introduction to Japanese Culture
- POLS 3039 - Black Politics in America
- POLS 3040 - Women in Politics
- POLS 3041 - Women and Public Policy
- PSYC 2777 - Ethnocultural Psychology
- PSYC 4335 - Psychology of Women
- SOCI 1010 - Race, Gender, Class
- SOCI 3326 - LGBT Identity, Society, and Politics
- SOCI 3500 - Economy and Society
- SOCI 3600 - Power and Politics in Society
- SOCI 5100 - Seminar in Social Inequality and Diversity
- SOCI 5400 - Seminar in Gender Roles
- WOST 2400 - Introduction to Women's Studies: Social Sciences
- WOST 4200 - Feminist Theory

4. Cognates - 6 s.h.

- ENGL 3810 - Advanced Composition or
- ENGL 3820 - Scientific Writing or
- ENGL 3880 - Writing for Business and Industry
- MIS 2223 - Introduction to Computers

5. Electives to complete requirements for graduation.
Art Education, BFA

Minimum degree requirement is 134 s.h. of credit as follows:

1. Foundations curriculum requirements and special courses required for certification including the following - 42 s.h.

   PHIL 2271 - Introduction to Philosophy of Art
   PSYC 3206 - Developmental Psychology

2. Common core - 63 s.h.

   (Students must earn a grade of C (2.0) or better in common core courses.)

   - ART 1005 - Design I
   - ART 1015 - Design II
   - ART 1020 - Drawing
   - ART 1030 - Figure Drawing
   - ART 2010 - Printmaking Survey
   - ART 2560 - Painting Survey: Materials and Methods
   - ARTH 1905 - The Dimensions of Art
   - ARTH 1906 - Art History Survey
   - ARTH 1907 - Art History Survey
   - Choose a 3 s.h. art (ART) survey elective
   - Choose 15 s.h. studios in one area
   - Choose a 3 s.h. art history (ARTH) elective
   - Choose 9 s.h. art (ART) electives

   Choose 3 s.h. from:

   - ART 2300 - Metal Design Survey
   - ART 2304 - Wood Design Survey
   - ART 2303 - Textile Design Survey

   Choose 3 s.h. from:

   - ART 2105 - Ceramics Survey
   - ART 2705 - Sculpture Survey

3. Professional core courses - 29 s.h.
(Students must earn a grade of C (2.0) or better in professional core courses.)

- ART 2123 - Early Experiences for the Prospective Teacher
- ART 2870 - Computers in Art Education
- ART 3851 - Art in the Elementary School
- ART 3860 - Classroom Participation in Art
- ART 4323 - Art in the Secondary School
- ART 4325 - Internship Seminar: Issues in Art Education

- ART 4850 - Art Internship in Elementary Education and
- ART 4871 - Art Internship in Secondary Education

or

- ART 4851 - Art Internship in Elementary Education and
- ART 4870 - Art Internship in Secondary Education

- EDUC 3200 - Foundations of American Education

- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
- PSYC 4305 - Educational Psychology

- READ 3990 - Teaching Reading in the Content Areas in the Secondary School
- SPED 4010 - Effective Instruction in Inclusive Classrooms

4. Acceptance into an area is by portfolio review.

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.

5. An approved senior show and digital documentation 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.
Athletic Training, BS

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

1. **Foundations curriculum requirements including those listed below - 42 s.h. 40 s.h.**

   (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

   - CHEM 1150 - General Chemistry I
   - CHEM 1151 - General Chemistry Laboratory I
   - COMM 2410 - Public Speaking
   - HLTH 1000 - Health in Modern Society
   - MATH 1065 - College Algebra
   - PHYS 1250 - General Physics
   - PHYS 1251 - General Physics Laboratory
   - PSYC 1000 - Introductory Psychology

2. **Core - 84 54 s.h.**

   - ATEP 1800 - Orientation to Athletic Training
   - ATEP 2800 - Medical Nomenclature for Human Performance
   - ATEP 2810 - Principles of Athletic Training
   - ATEP 2811 - Principles of Athletic Training Lab
   - ATEP 3000 - Evidence-Based Medicine for the Health Care Professional
   - ATEP 3201 - Therapeutic Rehabilitation I
   - ATEP 3202 - Therapeutic Rehabilitation I Laboratory
   - ATEP 3250 - Therapeutic Modalities
   - ATEP 3251 - Therapeutic Modalities Laboratory
   - ATEP 3270 - Pathology and General Medicine in Sport
   - ATEP 3271 - Clinical Experience in Medicine
   - ATEP 3272 - Clinical Skills in Health Assessment
   - ATEP 3280 - Therapeutic Rehabilitation II
   - ATEP 3281 - Therapeutic Rehabilitation II Laboratory
   - ATEP 3300 - Clinical Integration I
   - ATEP 3350 - Concepts in Pharmacology
   - ATEP 3400 - Clinical Experience in an Equipment-Intensive Sport
   - ATEP 3500 - Clinical Experience in Medical Readiness for Sport
   - ATEP 3810 - Orthopedic Evaluation of the Trunk and Upper Extremity
   - ATEP 3811 - Orthopedic Evaluation of Upper Extremity Lab
   - ATEP 3820 - Orthopedic Evaluation of Lower Extremity
   - ATEP 3821 - Orthopedic Evaluation of Lower Extremity Lab
   - ATEP 3860 - Clinical Experience in Emergency Management
   - ATEP 4320 - Leadership and Management
   - ATEP 4860 - Clinical Integration II
   - **BIOL 2140 - Human Physiology and Anatomy I**
• BIOL 2141 - Human Physiology and Anatomy I Laboratory
• BIOL 2150 - Human Physiology and Anatomy II
• BIOL 2151 - Human Physiology and Anatomy II Laboratory
• HLTH 3020 - Health Disparities
• KINE 2850 - Structural Kinesiology
• KINE 3800 - Measurement of Physical Activity and Fitness
• KINE 3801 - Measurement of Physical Activity and Fitness Laboratory
• KINE 3805 - Physiology of Exercise
• KINE 3850 - Introduction to Biomechanics
• MIS 2223 - Introduction to Computers
• NUTR 2105 - Nutrition Science

1. Cognates - 8+ 28 s.h.

• BIOL 2140 - Human Physiology and Anatomy I
• BIOL 2141 - Human Physiology and Anatomy I Laboratory
• BIOL 2150 - Human Physiology and Anatomy II
• BIOL 2151 - Human Physiology and Anatomy II Laboratory
• HLTH 3020 - Health Disparities
• KINE 2850 - Structural Kinesiology
• KINE 3800 - Measurement of Physical Activity and Fitness
• KINE 3801 - Measurement of Physical Activity and Fitness Laboratory
• KINE 3805 - Physiology of Exercise
• KINE 3850 - Introduction to Biomechanics
• MIS 2223 - Introduction to Computers
• NUTR 2105 - Nutrition Science
• PHYS 1251 - General Physics Laboratory

4. Electives - 3 4 s.h.
Biochemistry, BS

The purpose of the BS biochemistry degree program is to: prepare our students with the knowledge and confidence to apply the scientific method in biochemical research; train our students to communicate scientific discoveries in standard scientific formats; educate our students so they understand, and are able to apply, foundational biochemical concepts necessary for graduate education or a career in the biochemical sciences.

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

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- MATH 1065 - College Algebra

2. Core - 45 s.h. 49 s.h.

Biology:

- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology Laboratory I
- BIOL 1200 - Principles of Biology II
- BIOL 1201 - Principles of Biology Laboratory II
- BIOL 2300 - Principles of Genetics
- BIOL 3310 - Cellular Physiology
- BIOL 3311 - Cellular Physiology Laboratory
- BIOL 4880 - Principles of Biochemistry I
- BIOL 4890 - Principles of Biochemistry II
- BIOL 4891 - Principles of Biochemistry Laboratory

Chemistry:

- CHEM 1160 - General Chemistry II
• CHEM 1161 - General Chemistry Laboratory II
• CHEM 2250 - Quantitative and Instrumental Analysis
• CHEM 2251 - Quantitative and Instrumental Analysis Laboratory
• CHEM 2750 - Organic Chemistry I
• CHEM 2753 - Organic Chemistry Laboratory I
• CHEM 2760 - Organic Chemistry II
• CHEM 2763 - Organic Chemistry Laboratory II

• CHEM 3950 - Physical Chemistry and Laboratory I
• CHEM 3951 - Physical Chemistry and Laboratory I
• CHEM 3960 - Physical Chemistry and Laboratory II
• CHEM 3961 - Physical Chemistry and Laboratory II
• or

• CHEM 3850 - Introduction to Physical Chemistry
• CHEM 3851 - Introduction to Physical Chemistry Laboratory
• 5 hours of research in biology or chemistry (BIOL 3550, BIOL 4504, BIOL 4514, BIOL 4550; CHEM 4505, CHEM 4506, CHEM 4507, CHEM 4515, CHEM 4516, CHEM 4517)

3. Cognates - 25-27 s.h.

• MATH 1083 - Introduction to Functions or
• MATH 1085 - Pre-Calculus Mathematics

• MATH 2171 - Calculus I
• MATH 2172 - Calculus II
• MATH 2173 - Calculus III
• PHYS 1251 - General Physics Laboratory
• PHYS 1261 - General Physics Laboratory
• PHYS 2350 - University Physics
• PHYS 2360 - University Physics

4. Electives - 6 s.h.

(Choose from the following.)

• BIOL 2100 - Basic Laboratory Methods for Biotechnology
• BIOL 2101 - Basic Laboratory Methods for Biotechnology Laboratory
- BIOL 3220 - Microbiology
- BIOL 3221 - Microbiology Laboratory
- BIOL 5510 - Transmission Electron Microscopy
- BIOL 5511 - Transmission Electron Microscopy Laboratory
- BIOL 5520 - Scanning Electron Microscopy and X-Ray Analysis
- BIOL 5521 - Scanning Electron Microscopy and X-Ray Analysis Laboratory
- BIOL 5870 - Molecular Biology of the Gene
- BIOL 5900 - Biotechniques
- BIOL 5901 - Biotechniques Laboratory
- MATH 4331 - Introduction to Ordinary Differential Equations

5. Electives to complete requirements for graduation.
Biology (General), BS

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

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- MATH 1065 - College Algebra

2. Core - 11 s.h.

- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology Laboratory I
- BIOL 1200 - Principles of Biology II
- BIOL 1201 - Principles of Biology Laboratory II
- BIOL 2300 - Principles of Genetics

3. Concentrations

(Choose one.)

Biology (30 s.h.)

Required lecture courses (12 s.h.)

- BIOL 2250 - Ecology
- BIOL 3030 - Principles of Physiology
- BIOL 3260 - Cell and Developmental Biology
• BIOL 3620 - Biological Evolution

Electives (18 s.h.)

• Choose at least one elective from the ecology/evolution concentration specific electives list.
• Choose at least one elective from the molecular/cell biology concentration specific electives list.
• Choose at least one laboratory course.
• Choose 10-12 s.h. of biology electives including 2 classes at the 3000 or 4000 level.

Ecology/evolution (31 s.h.)

Required lecture courses (10 s.h.)

• BIOL 2250 - Ecology
• BIOL 2251 - Ecology Laboratory

• BIOL 3030 - Principles of Physiology or
• BIOL 3260 - Cell and Developmental Biology

• BIOL 3620 - Biological Evolution

Electives (21 s.h.)

• Choose 12 s.h. from the ecology/evolution concentration specific electives list (choose at least one course in organismal diversity and one course in ecological/evolutionary processes).
• Choose 3 s.h. from the molecular/cell biology concentration specific electives list.
• Choose 6 s.h. of any biology electives (at least one class must be at the 3,000 or 4,000 level).

Molecular/cell biology (30 s.h.)

Required lecture courses (9 s.h.)

• BIOL 2250 - Ecology or
- BIOL 3620 - Biological Evolution

- BIOL 3030 - Principles of Physiology
- BIOL 3260 - Cell and Developmental Biology

Electives (21 s.h.)

- Choose at least 12 s.h. from the molecular/cell biology concentration specific electives list.
- Choose 3 s.h. from the ecology/evolution concentration specific electives list.
- Choose 6 s.h. of any biology electives (at least one class must be at the 3,000 or 4,000 level).

4. Concentration specific electives

Ecology/evolution

- Organismal diversity

BIOL 3070, BIOL 3071; BIOL 3150; BIOL 3230, BIOL 3231; BIOL 3240, BIOL 3241; BIOL 4400, BIOL 4500; BIOL 4600, BIOL 4601; BIOL 4770, BIOL 4771; BIOL 5150, BIOL 5151; BIOL 5220, BIOL 5221; BIOL 5230, BIOL 5231; BIOL 5550, BIOL 5551; BIOL 5640, BIOL 5641; BIOL 5950, BIOL 5951

- Ecological/evolutionary process

BIOL 3660, BIOL 3661; BIOL 3740, BIOL 3741; BIOL 4130; BIOL 4200, BIOL 4201; BIOL 4205; BIOL 4240, BIOL 4250; BIOL 4300, BIOL 4301; BIOL 4320; BIOL 4440, BIOL 4441; BIOL 4740, BIOL 4741; BIOL 5260, BIOL 5261; BIOL 5270, BIOL 5600, BIOL 5601, BIOL 5680; GEOL 5300

Molecular/cell biology

BIOL 2100, BIOL 2101; BIOL 3220, BIOL 3221; BIOL 3310, BIOL 3311; BIOL 3320, BIOL 3321; BIOL 4030, BIOL 4040; BIOL 4050, BIOL 4051; BIOL 4060, BIOL 4061; BIOL 4130; BIOL 4170; BIOL 4205; BIOL 4220; BIOL 4230; BIOL 4260, BIOL 4270; BIOL 4650; BIOL 4800; BIOL 4880; BIOL 4890, BIOL 4891; BIOL 5260, BIOL 5261; BIOL 5870; BIOL 5890; CHEM 2770
5. Cognates - **22 s.h.** 26 s.h.

- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- CHEM 2750 - Organic Chemistry I
- CHEM 2753 - Organic Chemistry Laboratory I
- CHEM 2760 - Organic Chemistry II
- CHEM 2763 - Organic Chemistry Laboratory II
- MATH 2121 - Calculus for the Life Sciences I
- MATH 2122 - Calculus for the Life Sciences II
- PHYS 1250 - General Physics
- PHYS 1260 - General Physics
- PHYS 1251 - General Physics Laboratory
- PHYS 1261 - General Physics Laboratory

6. Research skills - 6 s.h.

- BIOS 1500 - Introduction to Biostatistics or
- MATH 2228 - Elementary Statistical Methods I or
- MATH 2283 - Statistics for Business

- ENGL 3820 - Scientific Writing

7. Electives to complete requirements for graduation.
Birth Through Kindergarten Teacher Education, BS

Minimum degree requirement is **123 120 s.h.** of credit as follows:

1. Foundations curriculum requirements including those listed below - **42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

- ANTH 1050 - Global Understanding or
- ANTH 2010 - Societies Around the World or
- ANTH 2200 - Introduction to Cultural Anthropology or
- GEOG 1000 - People, Places, and Environments

- COMM 2020 - Fundamentals of Speech Communication or
- COMM 2410 - Public Speaking

- MATH 1065 - College Algebra or
- MATH 2127 - Basic Concepts of Mathematics

- PSYC 1000 - Introductory Psychology
- Choose a biological science (FC:SC)
- Choose a history course (FC:SO)
- Choose a literature course (except children’s literature) (FC:HU)
- Choose a physical science (FC:SC)

2. Professional studies - 32 s.h.

- HDFS 2123 - Early Experience in Birth through Kindergarten Education
- HDFS 4123 - Learning Environments and Teaching Methods in Early Childhood Education
- HDFS 4324 - Internship in Birth Through Kindergarten Education
- HDFS 4325 - Internship Seminar: Issues in Birth-Kindergarten Education
- EDTC 4001 - Technology in Education
- EDUC 3002 - Introduction to Diversity
- EDUC 3200 - Foundations of American Education
- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment
- READ 3301 - Reading Instruction in the Primary Grades
- SPED 2000 - Introduction to Exceptional Children
3. Specialty area studies - 42 s.h.

- HDFS 1103 - Marriage and Family Relations
- HDFS 2000 - Child Development I: Prenatal Through Early Childhood
- HDFS 2001 - Child Development II: Middle Childhood Through Young Adulthood
- HDFS 2124 - Interaction Techniques for Working with Young Children
- HDFS 3150 - Introduction to Early Childhood Intervention
- HDFS 3306 - Guiding Children's Behavior
- HDFS 3321 - Infant and Toddler Curriculum
- HDFS 4121 - Social Studies, Math, and Science Curriculum in Early Childhood
- HDFS 4122 - Language and Literacy Curriculum in Early Childhood
- HDFS 4200 - Assessing Development and Learning in the Early Childhood Classroom
- HDFS 4201 - Assessment for Intervention
- HDFS 4300 - Birth through Kindergarten Curriculum Adaptations for Diverse Learners
- HDFS 4320 - Practicum in Teaching Birth-Kindergarten in the Public Schools
- HDFS 4406 - Parent-Professional Collaboration
- HDFS 4408 - Administration of Programs for Young Children

4. Advisor approved electives to complete requirements for graduation.
Chemistry, BA

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

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- MATH 1065 - College Algebra
- PHYS 1250 - General Physics
- PHYS 1260 - General Physics
- PHYS 1251 - General Physics Laboratory
- PHYS 1261 - General Physics Laboratory

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

(For information about the foreign language requirement see Additional Requirements for BA Degree and Placement Testing, Foreign Language.)

3. Core - 30 s.h.

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- CHEM 2250 - Quantitative and Instrumental Analysis
- CHEM 2251 - Quantitative and Instrumental Analysis Laboratory
• CHEM 2750 - Organic Chemistry I
• CHEM 2753 - Organic Chemistry Laboratory I
• CHEM 2760 - Organic Chemistry II
• CHEM 2763 - Organic Chemistry Laboratory II
• CHEM 3450 - Elementary Inorganic Chemistry
• CHEM 3451 - Elementary Inorganic Chemistry Laboratory
• CHEM 3850 - Introduction to Physical Chemistry
• CHEM 3851 - Introduction to Physical Chemistry Laboratory

4. Cognates - 6-13 s.h. – 7-14 s.h.

Choose one of the following sequences:

• MATH 2121 - Calculus for the Life Sciences I
• MATH 2122 - Calculus for the Life Sciences II

• MATH 1083 - Introduction to Functions or
• MATH 1085 - Pre-Calculus Mathematics

and

• MATH 2171 - Calculus I
• MATH 2172 - Calculus II

• PHYS 1261 – General Physics Laboratory

5. Electives to complete requirements for graduation.
DIRECTIONS

Please do not use Track Changes when making revisions to the introductory text. Instead do the following:

4. Select the text that you want to change.
5. Click Home.
6. In the Font group, click the arrow next to Font Color, and then select a color.

WHICH COLORS DO I USE?

4. To add text, use a blue font.
5. To delete text, strike through using a red font.

Chemistry, BS

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

1. Foundations curriculum requirements - 42 s.h.  40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- MATH 1065 - College Algebra
- PHYS 1251 - General Physics Laboratory
- PHYS 1261 - General Physics Laboratory
- PHYS 2350 - University Physics
- PHYS 2360 - University Physics

2. Core - 45 s.h.

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- CHEM 2103 - Introduction to Chemical Literature
- CHEM 2250 - Quantitative and Instrumental Analysis
- CHEM 2251 - Quantitative and Instrumental Analysis Laboratory
- CHEM 2750 - Organic Chemistry I
- CHEM 2753 - Organic Chemistry Laboratory I
- CHEM 2760 - Organic Chemistry II
- CHEM 2763 - Organic Chemistry Laboratory II
- CHEM 2770 - Biological Chemistry
- CHEM 3451 - Elementary Inorganic Chemistry Laboratory
- CHEM 3950 - Physical Chemistry and Laboratory I
- CHEM 3951 - Physical Chemistry and Laboratory I
- CHEM 3960 - Physical Chemistry and Laboratory II
- CHEM 3961 - Physical Chemistry and Laboratory II
- CHEM 4103 - Seminar
- CHEM 4350 - Instrumental Analysis
- CHEM 4351 - Instrumental Analysis Laboratory
- CHEM 4550 - Advanced Inorganic Chemistry

3. Elective labs - 2 s.h.

(Choose a minimum of 2 s.h. from the following.)

- BIOL 4891 - Principles of Biochemistry Laboratory
- CHEM 2301 - Teaching Laboratory Chemistry May count only 1 s.h. toward the 2 s.h. lab requirement
- CHEM 2771 - Biological Chemistry Laboratory
- CHEM 3301 - Practicum in Teaching
- CHEM 4515 - Research Problems in Chemistry
- CHEM 4516 - Research Problems in Chemistry
- CHEM 4517 - Research Problems in Chemistry
- CHEM 4522 - Pharmaceutical Industry Skills Laboratory: Good Manufacturing Practices
- CHEM 5993 - Industrial Internship in Chemistry
- PHYS 3700 - Advanced Laboratory
- PHYS 3701 - Advanced Laboratory

4. Cognates - 15-17 s.h. – 20-22 s.h.

- MATH 1083 - Introduction to Functions or
- MATH 1085 - Pre-Calculus Mathematics

- MATH 2171 - Calculus I
- MATH 2172 - Calculus II
- MATH 2173 - Calculus III

- PHYS 2360 – University Physics
- PHYS 1261 – General Physics Laboratory

5. Electives to complete requirements for graduation.
Child Life, BS

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

1. Foundations curriculum requirements including those listed below - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

- BIOL 2130 - Survey of Human Physiology and Anatomy
- COMM 2020 - Fundamentals of Speech Communication or
  COMM 2410 - Public Speaking
- MUSC 3018 - Introduction to Basic Music Skills for Elementary School Teachers
- PSYC 1000 - Introductory Psychology
- SOCI 2110 - Introduction to Sociology

2. Core - 57 s.h.

- HDFS 1103 - Marriage and Family Relations
- HDFS 2000 - Child Development I: Prenatal Through Early Childhood
- HDFS 2001 - Child Development II: Middle Childhood Through Young Adulthood
- HDFS 2021 - Introduction to Child Life
- HDFS 3002 - Child in the Family
- HDFS 3022 - Death, Dying, and Bereavement
- HDFS 3150 - Introduction to Early Childhood Intervention
- HDFS 3321 - Infant and Toddler Curriculum
- HDFS 3413 - The Hospitalized Child
- HDFS 4201 - Assessment for Intervention
- HDFS 4210 - Child Life Practicum
- HDFS 4303 - Families and Cultural Diversity
- HDFS 4410 - Professional Seminar
- HDFS 4415 - Child Life Internship
- HDFS 4993 - Early Childhood Practicum
- NUTR 1000 - Contemporary Nutrition
- 3 s.h. advisor-approved electives

3. Cognates - 6 s.h.

- HIMA 3000 - Medical Terminology for Health Professionals
• PSYC 3206 - Developmental Psychology

4. Restricted electives - 9 s.h.

(Choose from the following.)

• ANTH 1050 - Global Understanding

• ANTH 3252 - Medical Anthropology or
• SOCI 3327 - Introductory Medical Sociology

• ART 3850 - Art in the Elementary School
• ASLS 2020 - Sign Language Studies I
• CSDI 2100 - Introduction to Communication Disorders
• CSDI 3020 - Language Development
• ENGL 3950 - Literature for Children
• HLTH 2125 - Safety Education and First Aid
• HLTH 2126 - Safety Education and First Aid Laboratory
• LIBS 3200 - The Art of Storytelling
• MUSC 3048 - Music for Exceptional Children
• MUSC 3058 - Music for the Preschool Child
• MUSC 4277 - Music for Group Activities
• MUSC 4287 - Music for Group Activities Practicum
• PSYC 5380 - Psychology of the Exceptional Child
• RCLS 2000 - Foundations of Recreation, Parks, and Tourism Studies
• SPAN 2117 - Spanish for Professions
• SPED 2000 - Introduction to Exceptional Children

5. Electives to complete requirements for graduation.
Clinical Laboratory Science, BS

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

1. Foundations curriculum requirements including those listed below - **42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- MATH 1065 - College Algebra

Recommended:

- PSYC 1000 - Introductory Psychology
- PSYC 2101 - Psychological Statistics

2. Core - 63 s.h.

- CLSC 3410 - Hematology I Lecture and Laboratory
- CLSC 3411 - Hematology I Lecture and Laboratory
- CLSC 3420 - Hematology II Lecture and Laboratory
- CLSC 3421 - Hematology II Lecture and Laboratory
- CLSC 3430 - Clinical Immunology
- CLSC 3440 - Clinical Microscopy and Serology Lecture and Laboratory
- CLSC 3441 - Clinical Microscopy and Serology Lecture and Laboratory
- CLSC 4210 - Immunohematology Lecture and Laboratory
- CLSC 4211 - Immunohematology Lecture and Laboratory
- CLSC 4430 - Clinical Chemistry I
- CLSC 4431 - Clinical Chemistry I Laboratory
- CLSC 4440 - Clinical Chemistry II
- CLSC 4441 - Clinical Chemistry II Laboratory
- CLSC 4460 - Clinical Microbiology I
- CLSC 4461 - Clinical Microbiology I
- CLSC 4470 - Clinical Microbiology II
- CLSC 4471 - Clinical Microbiology II
- CLSC 4480 - Clinical Microbiology III
- CLSC 4481 - Clinical Microbiology III
- CLSC 4491 - Molecular Diagnostics in Clinical Laboratory Science I
- CLSC 4492 - Molecular Diagnostics in Clinical Laboratory Science II
- CLSC 4801 - Professional Practice Issues I
- CLSC 4802 - Professional Practice Issues II
- CLSC 4992 - Clinical Education: Hematology, Coagulation, Urinalysis **
- CLSC 4993 - Clinical Education: Chemistry **
• CLSC 4994 - Clinical Education: Blood Bank and Serology **
• CLSC 4997 - Clinical Education: Microbiology **

3. Cognates - 23 s.h.

• BIOL 1150 - Principles of Biology: A Human Approach
• BIOL 1151 - Principles of Biology: A Human Approach Discussion
• BIOL 2110 - Fundamentals of Microbiology
• BIOL 2111 - Fundamentals of Microbiology Laboratory
• BIOL 2130 - Survey of Human Physiology and Anatomy
• CHEM 1161 – General Chemistry Laboratory II
• CHEM 2250 - Quantitative and Instrumental Analysis
• CHEM 2251 - Quantitative and Instrumental Analysis Laboratory
• CHEM 2650 - Organic Chemistry for the Life Sciences
• CHEM 2651 - Organic Chemistry Lab for the Life Sciences
Communication, BS

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

1. Foundations curriculum requirements - **42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

2. Demonstrated foreign language proficiency through level 1002 - 6 s.h.

Note: Foreign language through level 1004 is required for the journalism concentration. This is a requirement for graduation. The additional 6 s.h. will not be applied toward the journalism concentration total.

3. Core - 6 s.h.

- COMM 1001 - Introduction to Communication
- COMM 1003 - Introduction to Mass Media

4. Concentration area - 33-34 s.h.

(Choose one)

Interpersonal/Organizational Communication - 33 s.h.:

**Concentration core - 21 s.h.**

- COMM 2010 - Communication Criticism
- COMM 2030 - Communication Research
- COMM 2410 - Public Speaking
- COMM 3110 - Persuasion Theories
- COMM 3142 - Small Group Communication
- COMM 3152 - Interpersonal Communication Theory
- COMM 3160 - Organizational Communication Theory

Choose 3 s.h. from:

- COMM 3172 - Media Effects
- COMM 3380 - Computer Mediated Communication
- COMM 4032 - Mass Media Law
• COMM 4040 - Media, Culture, and Society
• COMM 4400 - Rhetorical Theory and Criticism
• COMM 4905 - Media Ethics

Choose 3 s.h. from:

• COMM 3180 - Intercultural Communication
• COMM 4135 - Gender and Communication

Choose 3 s.h. COMM electives

Capstone course - 3 s.h.

• COMM 4060 - Special Problems in Communication or
• COMM 4080 - Senior Communication Capstone

Journalism - 34 s.h.:

Note: Foreign language through level 1004 is required for the journalism concentration. This is a requirement for graduation. The additional 6 s.h. will not be applied toward the journalism concentration total.

Concentration core - 19 s.h.

• COMM 2225 - Video News Production
• COMM 2340 - Development of American Journalism
• COMM 2500 - Media Writing and Reporting
• COMM 3320 - Multiplatform Journalism
• COMM 3390 - International News
• COMM 4293 - Producing the News

Choose 9 s.h. from:

• COMM 3300 - Entrepreneurial Journalism
• COMM 3310 - Copy Editing and Design
• COMM 3330 - Feature Writing
• COMM 3340 - Desktop Publishing
• COMM 3430 - Electronic News Performance
• COMM 3500 - Web Design for Communication Professionals
• COMM 4091 - Internship–Seminar

Choose 3 s.h. from:

• COMM 3172 - Media Effects
• COMM 3520 - Sports Media Survey
• COMM 4032 - Mass Media Law
• COMM 4040 - Media, Culture, and Society
• COMM 4045 - Media Literacy for Communication Professionals
• COMM 4075 - Media Criticism
• COMM 4135 - Gender and Communication
• COMM 4905 - Media Ethics

**Capstone course - 3 s.h.**

• COMM 4321 - In-Depth Reporting Capstone

Media Studies - 33 s.h.:

**Concentration core - 21 s.h.**

• COMM 2010 - Communication Criticism
• COMM 2030 - Communication Research
• COMM 2410 - Public Speaking
• COMM 3172 - Media Effects
• COMM 4032 - Mass Media Law
• COMM 4040 - Media, Culture, and Society
• COMM 4905 - Media Ethics

Choose 3 s.h. from:

• COMM 3180 - Intercultural Communication
• COMM 4135 - Gender and Communication

Choose 3 s.h from:

• COMM 3110 - Persuasion Theories
• COMM 3142 - Small Group Communication
• COMM 3152 - Interpersonal Communication Theory
• COMM 3160 - Organizational Communication Theory
• COMM 3380 - Computer Mediated Communication
• COMM 4400 - Rhetorical Theory and Criticism

Choose 3 s.h. COMM electives

**Capstone course - 3 s.h.**

• COMM 4060 - Special Problems in Communication or
• COMM 4080 - Senior Communication Capstone

Public Relations - 34 s.h.:

Note: Public Relations students must maintain a 2.5 cumulative grade point average to remain in the concentration.

Concentration core - 19 s.h.

• COMM 2030 - Communication Research
• COMM 2104 - Public Relations and Corporate Writing
• COMM 2500 - Media Writing and Reporting
• COMM 3120 - Public Relations Theory

• COMM 4032 - Mass Media Law or
• COMM 4905 - Media Ethics

• COMM 4180 - Public Relations Strategies

Choose 6 s.h. from:

• COMM 2410 - Public Speaking
• COMM 3310 - Copy Editing and Design
• COMM 3340 - Desktop Publishing
• COMM 3362 - Visual Editing
• COMM 3500 - Web Design for Communication Professionals
• COMM 4091 - Internship–Seminar

Choose 3 s.h. from:

• COMM 3180 - Intercultural Communication
• COMM 3390 - International News
• COMM 4135 - Gender and Communication
• COMM 4185 - International Public Relations

Choose 3 s.h. from:

• COMM 3110 - Persuasion Theories
• COMM 3160 - Organizational Communication Theory
• COMM 3172 - Media Effects
• COMM 3520 - Sports Media Survey
• COMM 4040 - Media, Culture, and Society
- COMM 4130 - Conflict and Communication

*Capstone course - 3 s.h.*

- COMM 4500 - Public Relations Campaigns

5. Minor or structured electives to complete requirements for graduation.
Computer Science, BA

Credit toward a computer science major will not be given for any CSCI course with a grade less than C (2.0) being used to satisfy the requirements specified in the core.

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

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- PHIL 2275 - Professional Ethics

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

(For information about the foreign language requirement see Additional Requirements for BA Degree and Placement Testing, Foreign Language.)

3. Core - 33 s.h.

- CSCI 2410 - Digital Electronics or
- EENG 2410 - Digital Electronics

- CSCI 3200 - Data Structures and Their Applications
- CSCI 3700 - Database Management Systems
- CSCI 4300 - Systems Programming
- CSCI 4710 - Web Applications
- Choose 6 s.h. CSCI courses above 2999, excluding CSCI 3584 and CSCI 5774

4. Cognates - 6 s.h.

- MATH 2427 - Discrete Mathematical Structures

- MATH 2228 - Elementary Statistical Methods I or
- MATH 2283 - Statistics for Business

5. Minor and electives to complete requirements for graduation.
Computer Science, BS

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 120 s.h. of credit as follows:

1. Foundations curriculum including those listed below 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

See cognates in section 3 for courses that fulfill science requirements. Eight semester hours (8 s.h.) of the science cognates may count toward foundation curriculum requirements.

- COMM 2020 - Fundamentals of Speech Communication or
- COMM 2410 - Public Speaking

- PHIL 2275 - Professional Ethics

2. Common core - 48 s.h.

- CSCI 1010 - Algorithmic Problem Solving
- CSCI 1011 - Algorithmic Problem Solving Lab
- CSCI 2400 - Discrete Structures I
- CSCI 2405 - Discrete Structures II
- CSCI 2410 - Digital Electronics
- CSCI 2530 - Algorithms and Data Structures
- CSCI 2540 - Data Abstraction and Object-Oriented Data Structures
- CSCI 3000 - Operating Systems
- CSCI 3010 - Computer Networks
- CSCI 3030 - Software Engineering I
- CSCI 3584 - Computational Linear Algebra
- CSCI 3650 - Design and Analysis of Algorithms
- CSCI 3675 - Organization of Programming Language
- CSCI 3700 - Database Management Systems
- CSCI 4230 - Software Engineering II
- CSCI 4231 - Software Engineering II Lab
- CSCI 4602 - Automata and Formal Languages

3. Cognates - 18 s.h.
Math cognates - 6 s.h.

- MATH 2121 - Calculus for the Life Sciences I or
- MATH 2171 - Calculus I

- MATH 2228 - Elementary Statistical Methods I or
- MATH 2283 - Statistics for Business

Science cognates - 12 s.h.

(One of the following options must be selected.)

**Note:**

8 s.h. of the below science cognates may count toward foundation curriculum requirements.

**Option 1 - Biology**

- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology Laboratory I
- BIOL 1200 - Principles of Biology II
- BIOL 1201 - Principles of Biology Laboratory II
- 4 s.h. of science that satisfy ECU foundations curriculum requirements

**Option 2 - Chemistry**

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- 4 s.h. of science that satisfy ECU foundation requirements

**Option 3 - Physics**

- PHYS 1251 - General Physics Laboratory
- PHYS 1261 - General Physics Laboratory
- PHYS 2350 - University Physics
- PHYS 2360 - University Physics
- 2 s.h. of science that satisfy ECU foundation requirements

4. CSCI electives above 2999 - 15 s.h.

5. Electives to complete requirements for graduation - 5 s.h.
Criminal Justice, BS

Criminal justice majors are expected to maintain an overall 2.0 GPA throughout the program and earn a C (2.0) or higher in all JUST courses. Criminal justice majors and minors must complete JUST 2004 before enrolling in courses above JUST 2999. Forensic science minors are expected to maintain an overall 2.5 GPA throughout the program.

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

1. **Foundations curriculum requirements including those listed below - 42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

- History course
  - POLS 1010 - National Government
  - PSYC 1000 - Introductory Psychology
  - SOCI 2110 - Introduction to Sociology

2. **Core - 42 s.h.**

- JUST 1000 - Introduction to Criminal Justice
- JUST 2004 - Crime and Criminality
- JUST 2009 - Correctional Systems
- JUST 2012 - Police and Society
- JUST 3200 - The Juvenile Justice System
- JUST 3500 - Principles of Criminal Law
• JUST 3501 - Criminal Procedure or
• JUST 3502 - Legal Aspects of Corrections or
• JUST 4300 - Criminal Justice Administration and Management

• JUST 3700 - Race, Gender and Special Populations in the Criminal Justice System
• JUST 3800 - Research Methods in Criminal Justice
• JUST 3900 - Introductory Statistics for Criminal Justice
• JUST 4500 - Issues and Problems in Criminal Justice
• JUST 4990 - Field Education and Seminar

Note:

Students are required to complete one 3 s.h. writing intensive course in the major.

3. JUST electives above 2999 - 9 s.h.

4. Minor and general electives to complete requirements for graduation.
Dance, BFA

In order to declare a major in dance, a student must be admitted through an entrance audition and must pass an examination by a dance faculty jury in the spring of the first and second year to maintain enrollment in the program. Dance faculty will determine placement in technique levels. Dance majors must attain a minimum grade of C (2.0) in all required DNCE courses, and all students must earn a C (2.0) or better in technique classes to advance to the next level.

See College of Education Licensure, for NC teacher licensure requirements.

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

1. Foundations curriculum including those listed below - **42 s.h. 40 s.h.**

   (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*.)

Dance education concentration

- PSYC 2777 - Ethnocultural Psychology or
- SOCI 1010 - Race, Gender, Class

- THEA 2001 - Stage Scenery I

Dance performance and choreography concentration

- THEA 2001 - Stage Scenery I

2. Core - 40 s.h.

Dance technique courses - 20 s.h.

- DNCE 1114 - Beginning Ballet I
- DNCE 1115 - Beginning Modern I
- DNCE 1116 - Beginning Jazz I
- DNCE 1124 - Beginning Ballet II
- DNCE 1125 - Beginning Modern II
- DNCE 1126 - Beginning Jazz II
- DNCE 2134 - Intermediate Ballet I
- DNCE 2135 - Intermediate Modern I
- DNCE 2144 - Intermediate Ballet II
• DNCE 2145 - Intermediate Modern II

Creative and contextual dance courses - 17 s.h.

- DNCE 2201 - Dance Improvisation I
- DNCE 2202 - Dance Improvisation II
- DNCE 3610 - Dance Kinesiology
- DNCE 4044 - History of Dance I
- DNCE 4045 - History of Dance II
- DNCE 4046 - Composition I
- DNCE 4047 - Composition II

Theatre - 3 s.h.

- THEA 3003 - Stage Lighting or
- THEA 3007 - Costume Design

3. Concentration areas - 41-43 s.h.

(Choose one.)

Dance education - 43 s.h.

Dance technique courses (7 s.h.)

- DNCE 3052 - Contemporary Dance V
- 4 s.h. in ballet, modern, and/or jazz at the 2000-level or above

Creative and contextual dance courses (6 s.h.)

- DNCE 3310 - Dance in the Elementary School
- DNCE 3320 - Dance in the Secondary School

Theatre (3 s.h.)

- THEA 4065 - Stage Management

Professional courses (27 s.h.)

- DNCE 2190 - Early Experiences for the Prospective Dance Educator
- DNCE 4323 - Perspectives on Dance Education, Grades K-12
- DNCE 4324 - Internship in Dance Education
- DNCE 4325 - Internship Seminar: Issues in Dance Education
- EDTC 4001 - Technology in Education

- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
- PSYC 4305 - Educational Psychology

- READ 3990 - Teaching Reading in the Content Areas in the Secondary School
- SPED 4010 - Effective Instruction in Inclusive Classrooms

Dance performance and choreography - 41 s.h.

**Dance technique courses (28 s.h.)**

- DNCE 2136 - Intermediate Jazz I
- DNCE 2146 - Intermediate Jazz II
- 12 s.h. in ballet, modern and/or jazz at the 3000-level (take two techniques each semester, including at least one semester of each technique)
- 12 s.h. in ballet, modern and/or jazz at the 4000-level (taking two techniques each semester, including at least one semester of each technique)

**Creative and contextual dance courses (7 s.h.)**

- DNCE 3000 - Dance Performance
- DNCE 3001 - Dance Performance
- DNCE 4000 - Special Dance Projects
- DNCE 4001 - Special Dance Projects
- DNCE 4048 - Choreography Project

**Dance electives (6 s.h.)**

(Choose 6 s.h. from the following courses.)

- DNCE 1014 - Tap I
- DNCE 2011 - Pointe I
- DNCE 2021 - Pointe II
- DNCE 2024 - Tap II
- DNCE 2053 - Jazz Dance Studio I
- DNCE 2063 - Jazz Dance Studio II
- DNCE 2073 - Jazz Dance Studio III
- DNCE 2083 - Jazz Dance Studio IV
- DNCE 3011 - Pointe III
- DNCE 3021 - Pointe IV
- DNCE 3114 - Tap Technique Development I
- DNCE 3124 - Tap Technique Development II
- DNCE 3501 - Independent Study in Dance
- DNCE 3502 - Independent Study in Dance
- DNCE 3503 - Independent Study in Dance
- DNCE 3601 - Selected Topics in Dance
- DNCE 3602 - Selected Topics in Dance
- DNCE 3603 - Selected Topics in Dance
- DNCE 4011 - Pointe V
- DNCE 4021 - Pointe VI
- DNCE 4033 - Jazz Dance Studio V
- DNCE 4040 - Tap Dance IV
- DNCE 4043 - Jazz Dance Studio VI
- DNCE 4053 - Jazz Dance Studio VII
- DNCE 4063 - Jazz Dance Studio VIII
- DNCE 4131 - Pointe VII
- DNCE 4134 - Tap Technique Development III
- DNCE 4141 - Pointe VIII
- DNCE 4234 - Tap Ensemble

4. Electives to complete requirements for graduation.
Design, BS

Robert A. Chin, Coordinator, 207 Science and Technology Building

The design program is accredited by the Association of Technology, Management, and Applied Engineering. Minimum degree requirement is 1246 s.h. credit as follows:

1. Foundations curriculum requirements including those listed below 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

All concentrations:

- ECON 2113 - Principles of Microeconomics
- MATH 1065 - College Algebra

- PHIL 2274 - Business Ethics or
- PHIL 2275 - Professional Ethics

- PHYS 1250 - General Physics
- PHYS 1251 - General Physics Laboratory
- PSYC 1000 - Introductory Psychology
- PSYC 3241 - Personnel and Industrial Psychology

Architectural Technology:

- GEOL 1700 - Environmental Geology

Mechanical Technology:

- PHYS 1260 - General Physics
- PHYS 1261 - General Physics Laboratory

2. Core - 56 s.h.
• DESN 2037 - Computer-Aided Design and Drafting Laboratory
• DESN 3032 - Engineering Graphics II
• DESN 3033 - Engineering Graphics II Laboratory
• DESN 4030 - Descriptive Geometry
• DESN 4031 - Descriptive Geometry Laboratory
• FINA 2244 - Legal Environment of Business
• IENG 2020 - Materials and Processes Technology
• IENG 2021 - Materials and Processes Technology Laboratory
• IENG 3600 - Statics and Strength of Materials

• ITEC 2000 - Industrial Technology Applications of Computer Systems or
  MIS 2223 - Introduction to Computers

• ITEC 2054 - Electricity/Electronics Fundamentals
• ITEC 2055 - Electricity/Electronics Fundamentals Laboratory
• ITEC 2080 - Thermal and Fluid Systems
• ITEC 2081 - Thermal and Fluid Systems Laboratory
• ITEC 2090 - Electromechanical Systems
• ITEC 2091 - Electromechanical Systems Laboratory

• ITEC 3200 - Introduction to Statistical Process Control or
  MATH 2283 - Statistics for Business

• ITEC 3290 - Technical Writing
• ITEC 3292 - Industrial Safety
• ITEC 3300 - Technology Project Management

• ITEC 3800 - Cost and Capital Project Analysis or
  FINA 3004 - Survey of Financial Management

• ITEC 4293 - Industrial Supervision or
  MGMT 3202 - Fundamentals of Management

• ITEC 4300 - Quality Assurance Concepts
• MATH 1074 - Applied Trigonometry
3. Concentration area – 23 s.h.

(Choose one)

Architectural Technology:

- BIOL 1060 - Environmental Biology
- BIOL 1061 - Environmental Biology Laboratory
- DESN 3030 - Architectural Drafting
- DESN 3031 - Architectural Drafting Laboratory
- DESN 3036 - Architectural Design and Drafting
- DESN 3037 - Architectural Design and Drafting Laboratory
- DESN 3038 - Sustainable Design
- DESN 3039 - Sustainable Design Laboratory
- PLAN 2410 - Fundamentals of GIS
- PLAN 3021 - Introduction to Planning Techniques
- PLAN 4003 - Urban Form and Design

Mechanical Technology:

- CHEM 1020 - General Descriptive Chemistry
- CHEM 1021 - General Descriptive Chemistry Laboratory
- DESN 3230 - Rapid Prototyping
- DESN 3231 - Rapid Prototyping Laboratory
- DESN 3234 - Jig and Fixture Design
- DESN 3235 - Jig and Fixture Design Laboratory
- DESN 3236 - Geometric Dimensioning and Tolerancing
- DESN 3237 - Geometric Dimensioning and Tolerancing Laboratory
- IENG 2076 - Introduction to Computer Numerical Control (CNC)
- IENG 2077 - Introduction to Computer Numerical Control (CNC) Laboratory
- IENG 3020 - Robotics in Computer Integrated Manufacturing
- IENG 3021 - Robotics in Computer Integrated Manufacturing Laboratory
- IENG 3300 - Plant Layout and Materials Handling

4. General electives to complete requirements for graduation - 5 s.h.
DIRECTIONS

Please do not use Track Changes when making revisions to the introductory text. Instead do the following:

10. Select the text that you want to change.
11. Click Home.
12. In the Font group, click the arrow next to Font Color, and then select a color.

WHICH COLORS DO I USE?

8. To add text, use a blue font.
9. To delete text, strike-through using a red font.

Economics, BA

Economics majors are required to earn a minimum grade of C (2.0) in each of the following courses: ECON 2113, ECON 2133, ECON 3144, ECON 3244. Minimum degree requirement is 120 s.h. of credit as follows:

1. Foundations curriculum requirements - 42 s.h.  40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- MATH 1065 - College Algebra or
- MATH 1066 - Applied Mathematics for Decision Making

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

(For information about the foreign language requirement see Additional Requirements for BA Degree and Placement Testing, Foreign Language.)

3. Core - 33 s.h.

- ECON 2113 - Principles of Microeconomics
- ECON 2133 - Principles of Macroeconomics
- ECON 3144 - Intermediate Microeconomics
- ECON 3244 - Intermediate Macroeconomics
- 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
- MATH 2283 - Statistics for Business
- MIS 2223 - Introduction to Computers

5. Minor and general electives to complete requirements for graduation.
DIRECTIONS

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13. Select the text that you want to change.
14. Click Home.
15. In the Font group, click the arrow next to Font Color, and then select a color.

WHICH COLORS DO I USE?

10. To add text, use a blue font.
11. To delete text, strike through using a red font.

Economics, BS

Economics majors are required to earn a minimum grade of C (2.0) in each of the following courses: ECON 2113, ECON 2133, ECON 3144, ECON 3244. Minimum degree requirement is 120 s.h. of credit as follows:

1. Foundations curriculum - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- MATH 1065 - College Algebra or
- MATH 1066 - Applied Mathematics for Decision Making

2. Common Core - 21 s.h.

- ECON 2113 - Principles of Microeconomics
- ECON 2133 - Principles of Macroeconomics
- ECON 3144 - Intermediate Microeconomics
- ECON 3244 - Intermediate Macroeconomics
- ENGL 3880 - Writing for Business and Industry
- MATH 2283 - Statistics for Business
- MIS 2223 - Introduction to Computers

3. Concentration area - 39-42 s.h.

(Choose one.)
Applied Economics:

- ACCT 2401 - Financial Accounting
- ACCT 2521 - Managerial Accounting

- COMM 2410 - Public Speaking or
- ECON elective above 2999

- ECON 3343 - Econometrics
- FINA 2244 - Legal Environment of Business
- FINA 3724 - Financial Management
- MATH 2119 - Elements of Calculus
- An additional 18 s.h. of ECON above 2999, including at least 6 s.h. above 3999

Quantitative:

- MATH 1083 - Introduction to Functions
- MATH 2171 - Calculus I
- MATH 2172 - Calculus II
- MATH 2173 - Calculus III
- MATH 3256 - Linear Algebra

- MATH 3307 - Mathematical Statistics I or
- ECON 3343 - Econometrics

- 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.
Elementary Education (K-6), BS

Minimum degree requirement is 128-126 s.h. of credit as follows 1. Foundations curriculum requirements including those listed below - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

- ANTH 1000 - Introduction to Anthropology or
- ANTH 2005 - Environmental Anthropology or
- ANTH 2010 - Societies Around the World or
- ETHN 2002 - Introduction to Ethnic Studies: Social Science or
- SOCI 2110 - Introduction to Sociology or
- POLS 1010 - National Government

- ART 3850 - Art in the Elementary School
- ENGL 1100 - Foundations of College Writing
- ENGL 1200 - Composition
- KINE 1000 - Lifetime Physical Activity and Fitness Laboratory

- GEOG 1000 - People, Places, and Environments or
- GEOG 2100 - World Geography: Developed Regions or
- GEOG 2110 - World Geography: Less Developed Regions

- HIST 1050 - American History to 1877 or
- HIST 1051 - American History Since 1877 or
- HIST 3100 - North Carolina History or
- HIST 3110 - History of African-Americans or
- HIST 1030 - World Civilizations to 1500 or
- HIST 1031 - World Civilizations Since 1500 or
- HIST 3611 - History of East Asia Since 1600 or
- HIST 3711 - Introduction to Latin-American History: Since 1808 or
- HIST 3810 - History of Africa

- HLTH 1000 - Health in Modern Society

- MATH 1065 - College Algebra or
1. General education - 36 s.h.

- MATH 2127 - Basic Concepts of Mathematics
- MUSC 3018 - Introduction to Basic Music Skills for Elementary School Teachers
- PSYC 1000 - Introductory Psychology
- Choose 4 s.h. BIOL (FC:SC)
- Choose 4 s.h. CHEM, PHYS, or GEOL (FC:SC)
- Choose 1 s.h. humanities and/or fine arts
- Choose 3 s.h. literature, except children's literature (FC:HU)
- Choose 1 s.h. science lab

2. Professional studies - 29 s.h.

- EDTC 4001 - Technology in Education
- EDUC 3002 - Introduction to Diversity
- EDUC 3200 - Foundations of American Education

- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
- PSYC 4305 - Educational Psychology

- ELEM 2123 - Early Experience for the Prospective Teacher
- ELEM 4324 - Internship in the Elementary School
- ELEM 4325 - Internship Seminar: Issues in Elementary Education
- READ 3301 - Reading Instruction in the Primary Grades
- SPED 4020 - Teaching Students with Exceptionalities in Elementary Classrooms

3. Academic concentration - 18 s.h.

(See Academic Concentration. A maximum of 6 s.h. may be counted in foundations curriculum requirements.)

4. Specialty area - 39 s.h.

- ELEM 3000 - Curriculum and Standards in Elementary School
- ELEM 3100 - Learning and Instruction in Elementary School
- ELEM 3200 - Language Arts in Elementary School
- ELEM 3300 - K-2 Practicum
- ELEM 3500 - Teaching Social Studies in Elementary School
- ELEM 3600 - Grades 3-5 Practicum
- ELEM 4300 - Classroom Organization and Management in Elementary School
- ELEM 4500 - Practicum in Classroom Organization and Management
- KINE 3545 - Practices and Procedures in Physical Education for Elementary Schools
- HLTH 3244 - Health Methods for Elementary Grades
- MATE 3050 - Mathematics and Methods for Grades Pre-K-2
- MATE 3051 - Field Experience in Mathematics Grades K-2
- MATE 3060 - Mathematics and Methods for Grades 3-6
- READ 3302 - Reading Instruction in the Intermediate Grades
- SCIE 3216 - Teaching Science in the Elementary School

5. Cognate - 3 s.h.

- ENGL 3950 - Literature for Children or
- LIBS 4950 - Literature for Children

- Electives to complete requirements for graduation

6. Elective - 3 s.h.
DIRECTIONS

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17. Click Home.
18. In the Font group, click the arrow next to Font Color, and then select a color.

WHICH COLORS DO I USE?

12. To add text, use a blue font.
13. To delete text, strike-through using a red font.

English, BA

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

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

(For information about the foreign language requirement see Additional Requirements for BA Degree and Additional Requirements for BA Degree.)

3. Core - 12 s.h.

Shakespeare

Choose 3 s.h. from:

- ENGL 3070 - Shakespeare: The Histories
- ENGL 3080 - Shakespeare: The Comedies
- ENGL 3090 - Shakespeare: The Tragedies
- ENGL 4091 - Shakespeare: Topics
Historical Survey I: Literature to 1700

Choose 3 s.h. from:

- ENGL 3000 - History of British Literature to 1700
- ENGL 3600 - Classics from Homer to Dante

Historical Survey II: Literature after 1700

Choose 3 s.h. from:

- ENGL 3010 - History of British Literature, 1700-1900
- ENGL 3020 - History of American Literature to 1900
- ENGL 4340 - Ethnic American Literature

Language Study—Creative Writing, Linguistics, Rhetoric and Composition, or Technical and Professional Communication

Choose 3 s.h. from:

- ENGL 2815 - Introduction to Creative Writing
- ENGL 2830 - Writing and Style
- ENGL 3030 - Introduction to Rhetorical Studies
- ENGL 3040 - Introduction to Professional Writing
- ENGL 3830 - Introduction to Play Writing
- ENGL 3835 - Persuasive Writing
- ENGL 3840 - Introduction to Poetry Writing
- ENGL 3850 - Introduction to Fiction Writing
- ENGL 3860 - Introduction to Nonfiction Writing
- ENGL 3870 - Introduction to Editing and Publishing
- LING 2700 - Introduction to Language Studies
- LING 2710 - English Grammar
- LING 2720 - Invented Languages
- LING 2740 - Language in the USA
- LING 2760 - Afro-Caribbean Language and Culture
- LING 3700 - History of the English Language
- LING 3720 - Writing Systems of the World
- LING 3730 - The Structure of English: Phonology and Morphology
- LING 3740 - The Structure of English: Syntax and Semantics
- LING 3750 - Introductory Linguistics
- LING 3770 - Language and Cognition
- LING 4730 - Language and Society
4. Electives - 24 s.h.

- Choose an additional 18 s.h. of ENGL, FILM, or LING electives (exclusive of writing foundations courses [FC:EN]).
- Choose an additional 6 s.h. of ENGL, FILM, or LING electives 4000 or above, excluding ENGL 4510, ENGL 4520, ENGL 4550, ENGL 4555, ENGL 4890, and ENGL 4891.

Note:

Qualified undergraduates may take 5000-level ENGL courses as electives.

5. Senior writing portfolio.

6. Minor and general electives to complete requirements for graduation.
Environmental Health, BS

1. Foundations curriculum requirements including those listed below - **42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

**Required:**

- BIOL 1050 - General Biology
- BIOL 1051 - General Biology Laboratory
- BIOL 2130 - Survey of Human Physiology and Anatomy
- MATH 1065 - College Algebra

**Recommended:**

(Choose 9 s.h. from the below courses.)

- HIST 1051 - American History Since 1877
- PSYC 1000 - Introductory Psychology
- RCLS 2601 - Leisure in Society
- SOCI 2110 - Introduction to Sociology

2. Common core - 42 s.h.

Select from the following with advisor approval:

- EHST 2110 - Introduction to Environmental Health Sciences
- EHST 3003 - Environmental Epidemiology
- EHST 3200 - Food Sanitation Principles
- EHST 3201 - Food Sanitation Principles Laboratory
- EHST 3350 - Safe Water
- EHST 3351 - Safe Water Laboratory
- EHST 3370 - Waste Water Management
- EHST 3371 - Waste Water Management Laboratory
- EHST 3600 - Air Pollution
- EHST 3700 - Industrial Hygiene
- EHST 3701 - Industrial Hygiene Laboratory
- EHST 4010 - Toxicological Foundations of Risk Assessment
- EHST 4200 - Environmental Health Management and Law
- EHST 4300 - Institutional and Recreational Sanitation and Laboratory
- EHST 4301 - Institutional and Recreational Sanitation and Laboratory
- EHST 4350 - Vector Borne Disease Ecology and Laboratory
- EHST 4351 - Vector Borne Disease Ecology and Laboratory
- EHST 4990 - Environmental Health Internship
- EHST 5001 - Seminar in Environmental Health
- EHST 5800 - Solid and Hazardous Waste Management and Laboratory
- EHST 5801 - Solid and Hazardous Waste Management and Laboratory

3. Cognates - 39 31 s.h.

Required cognates - 24 25 s.h.

- BIOL 2130 - Survey of Human Physiology and Anatomy*
- BIOL 2110 - Fundamentals of Microbiology
- BIOL 2111 - Fundamentals of Microbiology Laboratory
- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- CHEM 2650 - Organic Chemistry for the Life Sciences
- CHEM 2651 - Organic Chemistry Lab for the Life Sciences
- PHYS 1250 - General Physics
- PHYS 1251 - General Physics Laboratory
- MATH 2228 - Elementary Statistical Methods I or
- BIOS 1500 - Introduction to Biostatistics

* This course can count towards general education requirements.

Recommended cognates - 6 s.h.

(Choose at least 6 s.h. from the below courses.)

- MIS 2223 - Introduction to Computers
- PHYS 1260 - General Physics
- PHYS 1261 - General Physics Laboratory
- GEOG 3220 - Soil Properties, Surveys, and Applications
- or
- GEOL 5710 - Ground Water Hydrology
- GEOL 5711 - Ground Water Hydrology Laboratory
- MATH 2119 - Elements of Calculus
• MATH 2121 - Calculus for the Life Sciences I

4. General electives to complete requirements for graduation.

(Choose at least 6 s.h. of EHST electives from the 3000-level and above.)
Exercise Physiology, BS

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

1. Foundations curriculum requirements including those listed below 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

- BIOL 1150 - Principles of Biology: A Human Approach
- BIOL 1151 - Principles of Biology: A Human Approach Discussion
- PHYS 1250 – General Physics
- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- MATH 1065 - College Algebra
- PSYC 1000 - Introductory Psychology

2. Core - 43 s.h.

- KINE 2000 - Introductory Exercise and Sport Science
- KINE 2850 - Structural Kinesiology
- KINE 3805 - Physiology of Exercise
- KINE 3806 - Physiology of Exercise Laboratory
- KINE 3850 - Introduction to Biomechanics
- KINE 4805 - Exercise Evaluation and Prescription Laboratory
- KINE 4806 - Exercise Evaluation and Prescription
- KINE 4809 - Exercise Prescription for Clinical Populations
- KINE 4990 - Pre-internship Seminar for Exercise Physiology
- KINE 4991 - Independent Research in Exercise Physiology
- KINE 4992 - Research Internship in Exercise Physiology
- KINE 5020 4020 - Exercise Adherence
- Choose 6 s.h. approved electives

3. Cognates - 38 39 s.h.

- BIOL 1150 - Principles of Biology: A Human Approach
- BIOL 1151 - Principles of Biology: A Human Approach Discussion
- BIOL 2140 - Human Physiology and Anatomy I
- BIOL 2150 - Human Physiology and Anatomy II
- BIOL 2141 - Human Physiology and Anatomy I Laboratory
- BIOL 2151 - Human Physiology and Anatomy II Laboratory
- BIOL 3310 - Cellular Physiology
- BIOL 3311 - Cellular Physiology Laboratory
• BIOS 1500 - Introduction to Biostatistics or
• MATH 2228 - Elementary Statistical Methods I or
• MATH 2283 - Statistics for Business

• CHEM 1160 - General Chemistry II
• CHEM 1161 - General Chemistry Laboratory II
• CHEM 2750 - Organic Chemistry I
• CHEM 2753 - Organic Chemistry Laboratory I
• CHEM 2760 - Organic Chemistry II
• CHEM 2763 - Organic Chemistry Laboratory II

• NUTR 1000 - Contemporary Nutrition or
• NUTR 2105 - Nutrition Science

**PHYS 1250 - General Physics**
• PHYS 1260 - General Physics
• PHYS 1251 - General Physics Laboratory
• PHYS 1261 - General Physics Laboratory

4. **Four (4) General electives to complete requirements for graduation.**
Family and Community Services, BS

Minimum degree requirement is **120 s.h.** of credit as follows 1. Foundations curriculum requirements including those listed below - **42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

- COMM 2020 - Fundamentals of Speech Communication or
- COMM 2410 - Public Speaking

- PSYC 1000 - Introductory Psychology

2. Core - 28 s.h.

- HDFS 1103 - Marriage and Family Relations
- HDFS 2000 - Child Development I: Prenatal Through Early Childhood
- HDFS 2280 - Introduction to Child, Family, and Community Services
- HDFS 3002 - Child in the Family
- HDFS 3560 - Exploring Professions and Practices in Family Science
- HDFS 4000 - Introduction to Child and Family Research
- HDFS 4303 - Families and Cultural Diversity
- HDFS 4366 - Family Life Education
- HDFS 4380 - Grant Writing, Fundraising, and Leadership Development
- HDFS 4410 - Professional Seminar

3. Concentrations - 35 s.h.

(Choose one of the following.)

Family science

- HDFS 2001 - Child Development II: Middle Childhood Through Young Adulthood
- HDFS 2400 - Introduction to Gerontology
- HDFS 3215 - The Family As Consumers
- HDFS 4006 - Families, Sexuality, and Gender Roles
- HDFS 4007 - Public Policy and Legal Issues Affecting Families
- HDFS 4313 - Trends and Issues in Family Studies
- HDFS 4390 - Family Resource Management
- HDFS 4991 - Family Science Internship
- 5 s.h. of advisor-approved CDFR electives
- HDFS 2124 - Interaction Techniques for Working with Young Children
- HDFS 3150 - Introduction to Early Childhood Intervention
- HDFS 3306 - Guiding Children's Behavior
- HDFS 3321 - Infant and Toddler Curriculum

- HDFS 4121 - Social Studies, Math, and Science Curriculum in Early Childhood or
- HDFS 4122 - Language and Literacy Curriculum in Early Childhood

- HDFS 4200 - Assessing Development and Learning in the Early Childhood Classroom or
- HDFS 4201 - Assessment for Intervention

- HDFS 4300 - Birth through Kindergarten Curriculum Adaptations for Diverse Learners
- HDFS 4406 - Parent-Professional Collaboration
- HDFS 4408 - Administration of Programs for Young Children
- HDFS 4992 - Child Development Internship

4. Minor or general electives to complete requirements for graduation – 15-17 s.h.
Fashion Merchandising and Consumer Studies, BS

Students can declare the fashion merchandising and consumer studies major upon entry to the university or at any time if they are in good academic standing. Throughout the program students must make a C (2.0) or better in all MRCH major courses. In order to register for all 4000-level courses, students must have a minimum overall 2.5 GPA.

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

1. Foundations curriculum requirements including those listed below - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

- ECON 2113 - Principles of Microeconomics
- MATH 1065 - College Algebra or
- MATH 1066 - Applied Mathematics for Decision Making
- PSYC 1000 - Introductory Psychology

2. Core - 49 s.h.

- MRCH 1135 - Introduction to Fashion
- MRCH 2034 - Textiles
- MRCH 2035 - Textiles Laboratory
- MRCH 2239 - Fashion and Culture
- MRCH 2350 - Merchandising Strategies
- MRCH 2500 - Fashion History
- MRCH 2883 - Pre-Professional Seminar
- MRCH 3050 - Quality Analysis: Apparel
- MRCH 3200 - Consumer Studies in Merchandising
- MRCH 3300 - E-Fashion
- MRCH 3350 - Merchandising Analysis
- MRCH 3400 - Visual Merchandising, Planning, and Operations
- MRCH 3883 - Merchandising Internship I
- MRCH 4300 - Global Economics: Textiles, Apparel, and Interior Furnishing Industries
- MRCH 4350 - Merchandise, Planning, Buying and Sourcing
- MRCH 4883 - Merchandising Internship II
- MRCH 4999 - Merchandising Capstone: Executing the Concept
Select one of the following:

- MRCH 3003 - Special Topics
- MRCH 4209 - Directed Study: Research in Merchandising

3. Minor - 24-30 s.h.

(Choose one of the following minors.)

- Art Minor
- Business Administration Minor
- Communication, Communication Studies Minor
- Hospitality Management Minor
- Interior Design Minor

5. Electives to complete requirements for graduation.
Geographic Information Science and Technology, BS

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

1. Foundations curriculum requirements including the course listed below - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- MATH 1065 - College Algebra

2. Common core - 25 s.h.

- GEOG 2400 - Spatial Data Analysis
- GEOG 2410 - Fundamentals of GIS
- GEOG 3420 - Remote Sensing of the Environment I
- GEOG 3430 - Geographic Information Systems I
- GEOG 3450 - Introduction to the Global Positioning System
- GEOG 3460 - GIS Applications Programming
- GEOG 4410 - Advanced Cartographic Design and Production
- GEOG 4430 - Geographic Information Systems II
- GEOG 4999 - Geography Professional Seminar

3. GIS electives - 12 s.h.

(Choose from the following.)

- GEOG 4340 - Introduction to Medical Geography
- GEOG 4420 - Remote Sensing II
- GEOG 4440 - Coastal Applications of GIS
- GEOG 4450 - GIScience, Society and Technology
- GEOG 4460 - Digital Terrain Analysis
- GEOG 4540 - Coastal Storms
- GEOG 4491 - Supervised Study in Geographic Techniques
- GEOG 4492 - Supervised Study in Geographic Techniques
- GEOG 4493 - Supervised Study in Geographic Techniques
- GEOG 4580 - Radar and Satellite Meteorology
- GEOG 4801 - Geographic Internship
- GEOG 4802 - Geographic Internship
- GEOG 4803 - Geographic Internship

4. Environmental and human geography - 9 s.h.
(Choose from the following courses. A minimum of 3 s.h. must be above 2999.)

- GEOG 1000 - People, Places, and Environments
- GEOG 1250 - The Water Planet
- GEOG 1300 - Weather and Climate
- GEOG 2003 - Geography in the Global Economy
- GEOG 2019 - Geography of Recreation
- GEOG 2250 - Earth Surface Systems
- GEOG 2300 - Geography of Environmental Resources
- GEOG 2350 - Climate Change: Science and Society
- GEOG 2510 - Physical Meteorology
- GEOG 3001 - Historical Geography of the United States
- GEOG 3003 - Political Geography
- GEOG 3004 - Urban Geography
- GEOG 3049 - Latin America
- GEOG 3050 - Africa
- GEOG 3051 - Asia
- GEOG 3055 - North Carolina
- GEOG 3220 - Soil Properties, Surveys, and Applications
- GEOG 3230 - Global Climates
- GEOG 3250 - Environmental Hazards
- GEOG 4210 - Fluvial and Hydrological Processes
- GEOG 4220 - Coastal Geography
- GEOG 4230 - Earth Surface Processes
- GEOG 4250 - Environmental Impact Analysis
- GEOG 4270 - Water Resources Management and Planning
- GEOG 4310 - Geography of Transportation and Trade
- GEOG 4315 - Geographic Images
- GEOG 4320 - Gender, Economy, and Development
- GEOG 4325 - Resources, Population, and Development
- GEOG 4330 - Agricultural Geography
- GEOG 4335 - Geography of Tourism
- GEOG 4345 - Human Migration and Global Restructuring
- GEOG 4360 - Geographies of Global Climate and Environmental Change
- GEOG 4510 - Meteorological Instruments and Observations
- GEOG 4530 - Micrometeorology
- GEOG 4590 - Tropical Meteorology
- GEOG 5281 - Selected Topics in Physical Geography
- GEOG 5282 - Selected Topics in Physical Geography
- GEOG 5283 - Selected Topics in Physical Geography
- GEOG 5393 - Seminar in Human Geography
- PLAN 1900 - Sustainable Cities

5. Cognates - 9 s.h.

(Choose from the following.)

- CSCI 3200 - Data Structures and Their Applications
- CSCI 3700 - Database Management Systems
- ICTN 1500 - Information and Computer Technology Fundamentals
- ICTN 1501 - Information and Computer Technology Fundamentals Laboratory
- ICTN 2154 - Digital Communication Systems
- ICTN 2155 - Digital Communication Systems Laboratory
- ICTN 2158 - Computer Networking Technology
- ICTN 2159 - Computer Networking Technology Laboratory
- ICTN 2510 - Network Environment I
- ICTN 2511 - Network Environment I Laboratory
- ICTN 2530 - Network Environment II
- ICTN 2531 - Network Environment II Laboratory
- ICTN 2900 - Fundamental Network Security
- ICTN 2901 - Fundamental Network Security Laboratory
- ICTN 3540 - Network Environment III
- ICTN 3541 - Network Environment III Laboratory
- MATH 1066 - Applied Mathematics for Decision Making
- MATH 1083 - Introduction to Functions
- MATH 2119 - Elements of Calculus
- MATH 2427 - Discrete Mathematical Structures

6. Electives to complete requirements for graduation - 23 s.h.
Geography, BA

Students must complete a minimum of 21 s.h. in GEOG courses above 2999.

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

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

(For information about the foreign language requirement see Additional Requirements for BA Degree and Placement Testing, Foreign Language.)

3. Common core - 13 s.h.

- GEOG 2400 - Spatial Data Analysis
- GEOG 4999 - Geography Professional Seminar

Choose 9 s.h. electives from:

- GEOG 2410 - Fundamentals of GIS
- GEOG 3420 - Remote Sensing of the Environment I
- GEOG 3430 - Geographic Information Systems I
- GEOG 3450 - Introduction to the Global Positioning System
- GEOG 3460 - GIS Applications Programming
- GEOG 4150 - Advanced Spatial Analysis
- GEOG 4410 - Advanced Cartographic Design and Production
- GEOG 4420 - Remote Sensing II
- GEOG 4430 - Geographic Information Systems II
- GEOG 4440 - Coastal Applications of GIS
- GEOG 4450 - GIScience, Society and Technology
- GEOG 4460 - Digital Terrain Analysis
- GEOG 4491 - Supervised Study in Geographic Techniques
- GEOG 4492 - Supervised Study in Geographic Techniques
- GEOG 4493 - Supervised Study in Geographic Techniques
- GEOG 4801 - Geographic Internship
- GEOG 4802 - Geographic Internship
- GEOG 4803 - Geographic Internship
- GEOG 4901 - Senior Honors Thesis
- May choose any GEOG course listed below that is not being counted toward the degree.
4. Concentration areas - 21 s.h.

(Choose 15 s.h. in one area, 6 s.h. in the other area.)

Environmental geography concentration:

(In concentration area, a minimum of 3 s.h. must be above 3999.)

- ATMO 3520 - Dynamic Meteorology
- ATMO 3550 - Principles of Synoptic Meteorology
- ATMO 4520 - Boundary Layer Meteorology
- ATMO 4525 - Dynamic Meteorology II
- ATMO 4550 - Applied Synoptic Meteorology: Analyses and Forecasting

- ATMO 1300 - Weather and Climate or
- GEOG 1250 - The Water Planet or
- GEOG 1300 - Weather and Climate

- GEOG 2250 - Earth Surface Systems
- GEOG 2300 - Geography of Environmental Resources
- GEOG 2510 - Physical Meteorology
- GEOG 3220 - Soil Properties, Surveys, and Applications
- GEOG 3230 - Global Climates
- GEOG 4210 - Fluvial and Hydrological Processes
- GEOG 4220 - Coastal Geography
- GEOG 4230 - Earth Surface Processes
- GEOG 4250 - Environmental Impact Analysis
- GEOG 4291 - Supervised Study in Physical Geography
- GEOG 4292 - Supervised Study in Physical Geography
- GEOG 4293 - Supervised Study in Physical Geography
- GEOG 4510 - Meteorological Instruments and Observations
- GEOG 4530 - Micrometeorology
- GEOG 4540 - Coastal Storms
- GEOG 4580 - Radar and Satellite Meteorology
- GEOG 4590 - Tropical Meteorology
- GEOG 4900 - Honors Research
- GEOG 5220 - Physical Geography Field Experience
- GEOG 5281 - Selected Topics in Physical Geography
- GEOG 5282 - Selected Topics in Physical Geography
- GEOG 5283 - Selected Topics in Physical Geography

Human geography concentration:

- GEOG 1000 - People, Places, and Environments
- GEOG 2003 - Geography in the Global Economy
• GEOG 2019 - Geography of Recreation
• GEOG 2100 - World Geography: Developed Regions
• GEOG 2110 - World Geography: Less Developed Regions
• GEOG 2350 - Climate Change: Science and Society
• GEOG 3001 - Historical Geography of the United States
• GEOG 3003 - Political Geography
• GEOG 3004 - Urban Geography
• GEOG 3049 - Latin America
• GEOG 3050 - Africa
• GEOG 3051 - Asia
• GEOG 3055 - North Carolina
• GEOG 3250 - Environmental Hazards
• GEOG 4140 - Research Methods in Human Geography
• GEOG 4191 - Supervised Study in Regional Geography
• GEOG 4192 - Supervised Study in Regional Geography
• GEOG 4193 - Supervised Study in Regional Geography
• GEOG 4270 - Water Resources Management and Planning
• GEOG 4310 - Geography of Transportation and Trade
• GEOG 4315 - Geographic Images
• GEOG 4320 - Gender, Economy, and Development
• GEOG 4325 - Resources, Population, and Development
• GEOG 4330 - Agricultural Geography
• GEOG 4335 - Geography of Tourism
• GEOG 4340 - Introduction to Medical Geography
• GEOG 4345 - Human Migration and Global Restructuring
• GEOG 4360 - Geographies of Global Climate and Environmental Change
• GEOG 4391 - Supervised Study in Human Geography
• GEOG 4392 - Supervised Study in Human Geography
• GEOG 4393 - Supervised Study in Human Geography
• GEOG 4900 - Honors Research
• GEOG 5393 - Seminar in Human Geography

5. Minor and electives to complete requirements for graduation.
Geology majors have the opportunity to specialize in one of three concentration areas: coastal and marine, environmental, general geology. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Core - 42 s.h.

- GEOL 1500 - Dynamic Earth
- GEOL 1501 - Dynamic Earth Laboratory
- GEOL 1600 - Earth and Life Through Time
- GEOL 2000 - Quantitative Methods in the Geological Sciences
- GEOL 3050 - Mineralogy and Petrology I
- GEOL 3051 - Mineralogy and Petrology I Laboratory
- GEOL 3150 - Mineralogy and Petrology II
- GEOL 3151 - Mineralogy and Petrology II Laboratory
- GEOL 3200 - Introduction to Field Methods
- GEOL 3201 - Introduction to Field Methods
- GEOL 3300 - Structural Geology
- GEOL 3301 - Structural Geology Laboratory
- GEOL 4000 - Summer Field Course in Geology
- GEOL 4010 - Sedimentology
- GEOL 4011 - Sedimentology Laboratory
- GEOL 4020 - Stratigraphy
- GEOL 4021 - Stratigraphy Laboratory
- GEOL 4200 - Paleontology
- GEOL 4201 - Paleontology Laboratory

3. Concentrations - 7 s.h.

(Choose one.)

Coastal and marine geology concentration:

(Choose 7 s.h. from the following.)

- GEOL 1550 - Oceanography
- GEOL 3700 - Advanced Oceanography
- GEOL 5300 - Geology of Coastal Processes and Environments
- GEOL 5350 - Marine Geology
- Or other approved GEOL courses
Environmental geology concentration:

(Choose 7 s.h. from the following.)

- GEOL 1700 - Environmental Geology
- GEOL 3209 - Environmental Forensics
- GEOL 3210 - Environmental Forensics Laboratory
- GEOL 3500 - Hydrogeology and the Environment
- GEOL 5150 - The Geologic Component of Environmental Science
- GEOL 5450 - Introduction to Aqueous Geochemistry
- GEOL 5710 - Ground Water Hydrology
- GEOL 5711 - Ground Water Hydrology Laboratory
- Or other approved GEOL courses

General geology concentration:

- Choose 7 s.h. from any combination of GEOL courses. At least one course must be above 2999.

4. Cognates - 25 s.h.

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- MATH 1065 - College Algebra
- Choose 6 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.
Health Information Management, BS

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

1. Foundations curriculum requirements including those listed below - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- BIOL 2130 - Survey of Human Physiology and Anatomy
- BIOL 2131 - Survey of Human Physiology and Anatomy Laboratory
- MATH 1065 - College Algebra

Recommended:

- ECON 2113 - Principles of Microeconomics

2. Core - 71 s.h.

- HIMA 3000 - Medical Terminology for Health Professionals
- HIMA 3032 - Record Documentation Systems
- HIMA 3113 - Applied Medical Sciences I
- HIMA 3118 - Applied Medical Sciences II
- HIMA 3120 - Health Care Delivery Systems
- HIMA 3142 - Diagnostic and Procedural Coding
- HIMA 3148 - Health Service Coding
- HIMA 4030 - Quality Management in Health Care
- HIMA 4075 - Applied Health Services Research
- HIMA 4081 - Directed Independent Project
- HIMA 4138 - Health Data Structures
- HIMA 4153 - Management of Health Information Services Department
- HIMA 4160 - Concepts in Health Information Technology
- HIMA 4165 - Health Information Systems
- HSMA 2000 - Professional Roles and Environments in Health Care
- HSMA 3020 - Health Care Payment Systems
- HSMA 3025 - Professional Ethical Codes and Law in Health Care
- HSMA 3030 - Written Communication and Documentation in Health Care
- HSMA 3035 - Interpersonal Team Skills for Health Care Supervisors and Practitioners
- HSMA 3050 - Leadership in Health Care
- HSMA 4010 - Health Information Management
- HSMA 4050 - Personnel Management and Supervision in Health Care
- HSMA 4055 - Health Care Finance and Accounting
- HSMA 4905 - Allied Health Management Experience

3. Cognates - 6 s.h.

- MIS 2223 - Introduction to Computers
- BIOS 1500 - Introduction to Biostatistics

4. Electives to complete requirements for graduation.
History, BA

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

1. Foundations curriculum requirements - **42 s.h.** **40 s.h.**

   (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*.)

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

   (For information about the foreign language requirement see *Additional Requirements for BA Degree and Placement Testing, Foreign Language.*)

3. Core - 36 s.h.

   - HIST 2000 - Introduction to History
   - HIST 4000 - Senior Seminar

Choose 9 s.h. from the following:

   - HIST 1030 - World Civilizations to 1500
   - HIST 1031 - World Civilizations Since 1500
   - HIST 1050 - American History to 1877
   - HIST 1051 - American History Since 1877

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, HIST 4532, HIST 4533, HIST 4550, HIST 4551):

   *American History:*

   - HIST 3010 - Constitutional History of the United States to 1888
   - HIST 3011 - Constitutional History of the United States Since 1888
   - HIST 3031 - Economic History of the United States Since 1865
   - HIST 3100 - North Carolina History
   - HIST 3110 - History of African-Americans
   - HIST 3121 - American Military History to 1900
   - HIST 3122 - American Military History Since 1900
   - HIST 3140 - Women in American History
   - HIST 3170 - History of Native Americans
• HIST 3200 - Diplomatic History of the United States
• HIST 3205 - History of American Urban Life
• HIST 3210 - Colonial America to 1763
• HIST 3215 - American Revolution and the Federal Era, 1763-1800
• HIST 3225 - The Era of Sectionalism and Civil War, 1848-1877
• HIST 3230 - The Birth of Modern America, 1865-1892
• HIST 3240 - The Age of Franklin Roosevelt, 1919-1945
• HIST 3245 - The United States Since 1945
• HIST 3260 - The United States and the Middle East, 1783 to the Present
• HIST 3907 - Pirate Nation: An ECU History
• HIST 3920 - Social History of American Medicine
• HIST 5122 - Social and Cultural History of the United States Since 1865
• HIST 5140 - The Old South
• HIST 5141 - The South Since 1877
• HIST 5220 - Selected Topics in US Women’s History
• HIST 5230 - Themes in African American History
• HIST 5520 - Maritime History of the Western World Since 1815
• HIST 5960 - Introduction to Oral History

European History:

• HIST 3405 - History of Ancient Greece to 146 BC
• HIST 3406 - War and Society in Ancient Greece and Rome
• HIST 3410 - History of Ancient Rome
• HIST 3412 - A History of Christianity to 1300
• HIST 3413 - A History of Christianity 1300-present
• HIST 3414 - The Celtic World, 700 BC-1601 AD
• HIST 3415 - The Middle Ages
• HIST 3420 - Early Modern Europe to 1648
• HIST 3430 - History of Europe, 1815-1914
• HIST 3435 - History of Europe Since 1914
• HIST 3444 - Old Regime and Revolutionary France
• HIST 3445 - Modern France, 1815-present
• HIST 3460 - Germany, 1790-1914
• HIST 3461 - Germany Since 1914
• HIST 3462 - History of the Holocaust
• HIST 3480 - Britain to 1688
• HIST 3482 - Britain, 1688-1832
• HIST 3484 - Britain from 1832
• HIST 3551 - Medieval Russia, 862-1682
• HIST 3552 - Imperial Russia, 1682-1917
• HIST 3553 - Soviet Russia, 1917-1991
• HIST 4400 - Science and Religion in Europe and America, 1600-1900
• HIST 4445 - The European Enlightenments
• HIST 4470 - The Great War: Experience, Memory and Legacy
• HIST 4500 - Political Culture and Community in Eighteenth-century Britain
• HIST 5350 - The Renaissance in European History
• HIST 5360 - The Reformation, 1450-1598
• HIST 5440 - Twentieth-Century England
• HIST 5450 - Tudor-Stuart England
• HIST 5470 - History of Soviet Russia Since 1917
• HIST 5480 - Weimar and the Rise of Hitler
- HIST 5505 - Maritime History of the Western World to 1415
- HIST 5555 - Constitutionalism and Kingship in Early Modern Europe
- HIST 5660 - Imperialism in Theory and Practice, 1800 to the Present

World History:

- HIST 3610 - History of East Asia to 1600
- HIST 3611 - History of East Asia Since 1600
- HIST 3615 - History of Traditional Japan
- HIST 3620 - History of Modern Japan
- HIST 3625 - Field Study in Japanese Historical Culture
- HIST 3626 - Field Study in Japanese Historical Texts
- HIST 3627 - History of Japanese Buddhism
- HIST 3629 - History of Traditional China
- HIST 3630 - History of Modern China
- HIST 3635 - Samurai History and Cinema
- HIST 3669 - History of the Middle East, 600-1500
- HIST 3670 - History of the Middle East Since 1500
- HIST 3680 - Women and Gender in the Middle East
- HIST 3710 - Introduction to Latin-American History: Colonial Period
- HIST 3711 - Introduction to Latin-American History: Since 1808
- HIST 3780 - Mexico and Central America
- HIST 3810 - History of Africa
- HIST 3820 - History of South Africa
- HIST 3830 - Africa and Islam
- HIST 4610 - History of Southeast Asia
- HIST 5300 - Comparative History of Non-Western Civilizations
- HIST 5340 - The Ancient Near East
- HIST 5680 - Diplomatic History of Modern Asia
- HIST 5765 - Latin America, 1492 to the Present

The following courses vary in content and will be classified according to topic:

- HIST 3005 - Selected Topics in History
- HIST 3350 - War and Society
- HIST 4531 - Directed Readings in History
- HIST 4532 - Directed Readings in History
- HIST 4533 - Directed Readings in History
- HIST 4550 - Honors
- HIST 4551 - Honors
- HIST 5005 - Selected Topics

4. Minor and electives to complete requirements for graduation.
History, Secondary Education, BS

A minimum GPA of 2.5 required for admission to the program. History education majors must have a minimum grade of C (2.0) in EDTC 4001; EDUC 4400 or PSYC 4305; HIED 2123, HIED 3001, HIED 3010, HIED 4010, HIED 4323; HIST 5135; PSYC 3206; READ 3990 or READ 5317; and SPED 4010. For information about NC teacher licensure requirements see Licensure.

Minimum degree requirement is 128 s.h. of credit as follows:

1. Foundations curriculum and special requirements for licensure including those listed below - 42 s.h. 40 s.h.

   (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

   - COMM 2410 - Public Speaking
   - MATH 1065 - College Algebra
   - Choose a literature course
   - May count cognates in 4., below, that also meet foundations curriculum requirements

2. Core - 33 s.h.

   - HIST 1030 - World Civilizations to 1500
   - HIST 1031 - World Civilizations Since 1500
   - HIST 1050 - American History to 1877
   - HIST 1051 - American History Since 1877
   - HIST 3000 - History: Its Nature and Method
   - HIST 3240 - The Age of Franklin Roosevelt, 1919-1945
   - HIST 3245 - The United States Since 1945
   - HIST 3260 - The United States and the Middle East, 1783 to the Present
   - HIST 5135 - Problems in North Carolina History
   - Choose two electives above 2999

3. Cognates - 27 s.h.

   (May count toward the foundations curriculum social science requirement.)

   - ANTH 1000 - Introduction to Anthropology or
   - ANTH 2010 - Societies Around the World

   - ECON 2113 - Principles of Microeconomics
   - ECON 2133 - Principles of Macroeconomics
- GEOG 2100 - World Geography: Developed Regions
- GEOG 2110 - World Geography: Less Developed Regions
- POLS 1010 - National Government
- PSYC 1000 - Introductory Psychology
- PSYC 3206 - Developmental Psychology
- SOCI 2110 - Introduction to Sociology
- Choose one POLS course above 2999

4. Professional courses - 35 s.h.

- EDTC 4001 - Technology in Education
- EDUC 3200 - Foundations of American Education

- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
- PSYC 4305 - Educational Psychology

- HIED 2123 - Early Experiences for the Prospective Teacher
- HIED 3001 - Teaching Civics and Economics in the Secondary Classroom
- HIED 3010 - History Curriculum and Planning in the Secondary Classroom
- HIED 4010 - Assessment in Secondary Social Studies
- HIED 4323 - The Teaching of Social Studies in High School
- HIED 4324 - Internship in History and Social Studies
- HIED 4325 - Internship Seminar: Issues in Social Studies Education
- READ 3990 - Teaching Reading in the Content Areas in the Secondary School
- SPED 4010 - Effective Instruction in Inclusive Classrooms

5. Electives to complete requirements for graduation.
Mathematics, BA

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

1. Foundations curriculum requirements - 42 s.h.  40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

(For information about the foreign language requirement see Additional Requirements for BA Degree and Placement Testing, Foreign Language.)

3. Common core - 30 s.h.

MATH 2171 - Calculus I
MATH 2172 - Calculus II
MATH 2173 - Calculus III
MATH 2300 - Transition to Advanced Mathematics
MATH 3256 - Linear Algebra
MATH 3263 - Introduction to Modern Algebra
MATH 3307 - Mathematical Statistics I
MATH 4101 - Advanced Calculus I
MATH 4331 - Introduction to Ordinary Differential Equations

4. Cognate - 4 s.h.

5. Concentration area to include minor or specified cognates - 27-36 s.h.

(Choose one area.)

Mathematics - 30-36 s.h.:

Minor - 18-30 s.h.
Electives - 6 s.h.

Choose MATH electives numbered above 2999.

Note:

MATH 3229, MATH 3237, MATH 3239 may not count toward mathematics electives.

Statistics - 27 s.h.:

Cognates - 18 s.h.

MATH 3308 - Mathematical Statistics II
MATH 4005 - Introduction to Sampling and Experimental Design
MATH 4031 - Applied Statistical Analysis
MATH 4201 - Introduction to Stochastic Processes
MATH 4774 - Programming for Research
MATH 4801 - Probability Theory

Electives - 9 s.h.

Excluding the cognates above, choose 9 s.h. of electives from the following:

ECON 3343 - Econometrics
OMGT 4493 - Quality Management
MATH courses numbered above 2999

Note:

MATH 3229, MATH 3237, MATH 3239 may not count toward statistics electives.

6. Electives to complete requirements for graduation.
Mathematics, BS

Credit toward the degree will not be given in any MATH course with a grade less than C- (1.7).

Minimum degree requirement is 120 s.h. of credit as follows:
1. Foundations curriculum requirements – 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Common mathematics core - 37 s.h.

- MATH 2171 - Calculus I
- MATH 2172 - Calculus II
- MATH 2173 - Calculus III
- MATH 2300 - Transition to Advanced Mathematics
- MATH 3256 - Linear Algebra
- MATH 3263 - Introduction to Modern Algebra
- MATH 3307 - Mathematical Statistics I
- MATH 3308 - Mathematical Statistics II
- MATH 4101 - Advanced Calculus I
- MATH 4331 - Introduction to Ordinary Differential Equations

3. Concentrations - 13-33 s.h.

(Choose one.)

Computer science concentration - 13 s.h.

- CSCI 2410 - Digital Electronics or
- EENG 2410 - Digital Electronics

or

- CSCI 3675 - Organization of Programming Language

or

- MATH 4110 - Elementary Complex Variables
- CSCI 3650 - Design and Analysis of Algorithms

Mathematics concentration - 27-33 s.h.

- MATH 4110 - Elementary Complex Variables
- Minor (24-30 s.h.)

Science concentration - 27-28 s.h.

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- MATH 4110 - Elementary Complex Variables
- PHYS 2350 - University Physics
- PHYS 2360 - University Physics

Choose one of the following:

- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology Laboratory I

and

- BIOL 1200 - Principles of Biology II
- BIOL 1201 - Principles of Biology Laboratory II
- A combination of any 3 courses numbered above 1999 in chemistry or numbered above 3999 in physics.

Statistics concentration - 18 s.h.

- MATH 4005 - Introduction to Sampling and Experimental Design
- MATH 4031 - Applied Statistical Analysis

- MATH 4100 - Mathematics of Risk Analysis or
- MATH 4300 - Financial and Actuarial Mathematics
• MATH 4201 - Introduction to Stochastic Processes
• MATH 4774 - Programming for Research
• MATH 4801 - Probability Theory

4. Restricted electives - 3-15 s.h.

(According to concentration area)

Computer science concentration - 15 s.h.

Choose 3 s.h. from:

• MATH 3174 - Vector Calculus
• MATH 3233 - College Geometry
• MATH 3273 - Combinatorics
• MATH 3301 - Foundations of Geometry
• MATH 4005 - Introduction to Sampling and Experimental Design
• MATH 4057 - Matrix Algebra
• MATH 4065 - Applied Modern Algebra
• MATH 4100 - Mathematics of Risk Analysis
• MATH 4201 - Introduction to Stochastic Processes
• MATH 4264 - Introduction to Modern Algebra II
• MATH 4300 - Financial and Actuarial Mathematics
• MATH 4801 - Probability Theory
• MATH 5002 - Logic for Mathematics and Computer Science
• MATH 5021 - Theory of Numbers I
• MATH 5102 - Advanced Calculus II
• MATH 5121 - Numerical Analysis in One Variable
• MATH 5122 - Numerical Analysis in Several Variables
• MATH 5131 - Deterministic Methods in Operations Research
• MATH 5132 - Probabilistic Methods in Operations Research
• MATH 5311 - Mathematical Physics
• MATH 5322 - Foundations of Mathematics
• MATH 5551 - The Historical Development of Mathematics

Choose 12 s.h. from:

• CSCI electives numbered above 1999
• CSCI 2530 - Algorithms and Data Structures
• CSCI 2540 - Data Abstraction and Object-Oriented Data Structures
• CSCI 3584 - Computational Linear Algebra
- CSCI 3650 - Design and Analysis of Algorithms

Mathematics concentration - 9 s.h.

(Choose 9 additional s.h. in consultation with advisor from the following courses.)

- MATH 3174 - Vector Calculus
- MATH 3233 - College Geometry
- MATH 3273 - Combinatorics
- MATH 3301 - Foundations of Geometry
- MATH 4005 - Introduction to Sampling and Experimental Design
- MATH 4057 - Matrix Algebra
- MATH 4065 - Applied Modern Algebra
- MATH 4100 - Mathematics of Risk Analysis
- MATH 4201 - Introduction to Stochastic Processes
- MATH 4264 - Introduction to Modern Algebra II
- MATH 4300 - Financial and Actuarial Mathematics
- MATH 4801 - Probability Theory
- MATH 5002 - Logic for Mathematics and Computer Science
- MATH 5021 - Theory of Numbers I
- MATH 5102 - Advanced Calculus II
- MATH 5121 - Numerical Analysis in One Variable
- MATH 5122 - Numerical Analysis in Several Variables
- MATH 5131 - Deterministic Methods in Operations Research
- MATH 5132 - Probabilistic Methods in Operations Research
- MATH 5311 - Mathematical Physics
- MATH 5322 - Foundations of Mathematics
- MATH 5551 - The Historical Development of Mathematics

Science concentration - 3 s.h.

(Choose 3 additional s.h. in consultation with advisor from the following.)

- MATH 3174 - Vector Calculus
- MATH 3233 - College Geometry
- MATH 3273 - Combinatorics
- MATH 3301 - Foundations of Geometry
- MATH 4005 - Introduction to Sampling and Experimental Design
- MATH 4057 - Matrix Algebra
- MATH 4065 - Applied Modern Algebra
- MATH 4100 - Mathematics of Risk Analysis
- MATH 4201 - Introduction to Stochastic Processes
- MATH 4264 - Introduction to Modern Algebra II
- MATH 4300 - Financial and Actuarial Mathematics
- MATH 4801 - Probability Theory
- MATH 5002 - Logic for Mathematics and Computer Science
- MATH 5021 - Theory of Numbers I
- MATH 5102 - Advanced Calculus II
- MATH 5121 - Numerical Analysis in One Variable
- MATH 5122 - Numerical Analysis in Several Variables
- MATH 5131 - Deterministic Methods in Operations Research
- MATH 5132 - Probabilistic Methods in Operations Research
- MATH 5311 - Mathematical Physics
- MATH 5322 - Foundations of Mathematics
- MATH 5551 - The Historical Development of Mathematics

Statistics concentration - 12 s.h.

Choose 12 s.h. electives from:

- ECON 3343 - Econometrics
- OMGT 4493 - Quality Management
- MATH courses numbered above 2999

Note:

MATH 3229, MATH 3237, MATH 3239 may not count toward statistics electives.

5. Electives to complete requirements for graduation.
Mathematics, Secondary Education, BS

Credit toward the degree will not be given in any MATH course with a grade less than C- (1.7) and in any MATE course or professional course with grade less than C (2.0). See College of Education for NC teacher licensure requirements. Minimum degree requirement is 120 s.h. of credit as follows:

1. Foundations curriculum plus special requirements for licensure including those listed below - **42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- PSYC 1000 - Introductory Psychology

- PSYC 2777 - Ethnocultural Psychology or
- SOCI 1010 - Race, Gender, Class

2. Core - 42 s.h.

- MATE 2700 - Applications in Statistics and Probability
- MATE 2800 - Discrete Mathematics: Explorations and Applications
- MATE 3300 - Geometry for High School Teachers
- MATE 3367 - Mathematical Modeling
- MATH 2171 - Calculus I
- MATH 2172 - Calculus II
- MATH 2173 - Calculus III
- MATH 2300 - Transition to Advanced Mathematics
- MATH 3256 - Linear Algebra
- MATH 3263 - Introduction to Modern Algebra
- MATH 3307 - Mathematical Statistics I
- MATH 5322 - Foundations of Mathematics
- MATH elective numbered above 2999, excluding MATH 3229, 3237, 3239.

3. Professional courses - 27 s.h.

- EDUC 3200 - Foundations of American Education

- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
- PSYC 4305 - Educational Psychology
• MATE 2123 - Early Experiences for High School Mathematics Teaching
• MATE 4001 - Technology in Secondary Mathematics Education
• MATE 4324 - Internship in High School Mathematics
• MATE 4325 - Seminar: Issues in High School Mathematics Internship
• READ 3990 - Teaching Reading in the Content Areas in the Secondary School
• SPED 4010 - Effective Instruction in Inclusive Classrooms

4. Specialty Area - 6 s.h.

• MATE 3523 - Teaching Topics in High School Mathematics
• MATE 4323 - Teaching High School Mathematics

5. Electives to complete requirements for graduation.
Minimum degree requirement is 121 s.h. of credit as follows:

1. Foundations curriculum requirements including those listed below in Liberal Arts Foundations Curriculum. - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

2. Professional studies - 27-28 s.h.

   - EDTC 4001 - Technology in Education
   - EDUC 3200 - Foundations of American Education

   - EDUC 3002 - Introduction to Diversity or
   - PSYC 2777 - Ethnocultural Psychology or
   - SOCI 1010 - Race, Gender, Class

   - EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
   - PSYC 4305 - Educational Psychology

   - MIDG 2123 - Early Experiences for the Prospective Teacher
   - MIDG 4324 - Internship in the Middle Grades
   - MIDG 4325 - Internship Seminar: Issues in Middle Grades Education

   - READ 3990 - Teaching Reading in the Content Areas in the Secondary School or
   - READ 5317 - Reading in the Junior and Senior High School

   - SPED 4010 - Effective Instruction in Inclusive Classrooms

3. Specialty area - 17 s.h.

   - MIDG 3005 - Curriculum I
   - MIDG 3010 - Curriculum II
   - MIDG 3011 - Instruction I
4. Academic concentration - 48 s.h.

Middle grades majors are required to complete two academic concentrations appropriate for licensure. A methods course is required for certification in each of the two academic concentrations leading to middle grades licensure. No substitutions for methods classes may be made without special middle grades program approval.

Middle Grades education majors must have a minimum grade of C (2.0) in each of the concentration courses.

A total of 6 credit hours in each concentration, except general science, may be double counted in the foundations curriculum requirements. For the general science concentration, 7 s.h. may be double-counted in the foundations curriculum requirements.

English (24 s.h.)

- ENGL 2000 - Interpreting Literature

- ENGL 2200 - Major American Writers or
  ENGL 3020 - History of American Literature to 1900

- ENGL 3810 - Advanced Composition or
  ENED 3815 - Composition Instruction in Grades 9-12

- ENGL 3950 - Literature for Children or
  LIBS 4950 - Literature for Children

- ENED 4319 - Teaching English and Language Arts in the Middle Grades
  ENED 4970 - Literature for the Younger Adolescent
  LING 2710 - English Grammar
  ENGL or LING elective above 2999

General Science (24 s.h.)

- BIOL 1050 - General Biology
- CHEM 1020 - General Descriptive Chemistry
• GEOL 1500 - Dynamic Earth
• PHYS 1250 - General Physics
• SCIE 3602 - Investigations in Physical and Earth Science
• SCIE 3604 - Investigations in Life and Environmental Science
• SCIE 4319 - Teaching Science in the Middle Grades

Mathematics (24 s.h.)

• MATE 1267 - Functional Relationships
• MATE 2067 - Data and Probability Explorations
• MATE 3067 - Algebra and Number Foundations
• MATE 3167 - Geometry and Measurement
• MATE 3267 - Concepts in Discrete Mathematics
• MATE 3367 - Mathematical Modeling
• MATE 4319 - Teaching Mathematics in the Middle Grades
• MATH 2119 - Elements of Calculus

Social Studies (24 s.h.)

• ECON 2113 - Principles of Microeconomics

• GEOG 2100 - World Geography: Developed Regions or
• GEOG 2110 - World Geography: Less Developed Regions

• HIED 4319 - Teaching Social Studies in the Middle Grades

• HIST 1030 - World Civilizations to 1500 or
• HIST 1031 - World Civilizations Since 1500 or

• HIST 1050 - American History to 1877
• HIST 1051 - American History Since 1877

• HIST 3100 - North Carolina History or
• MIDG 3200 - North Carolina History Standards Curriculum and Planning in the Middle Grades Classroom

• POLS 1010 - National Government
Multidisciplinary Studies, BA

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

1. Foundations curriculum requirements **42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum.*)

2. Demonstrated foreign language proficiency through level **1004 2004 - 12 s.h.**

(For information about the foreign language requirement see *Additional Requirements for BA Degree and Placement Testing, Foreign Language.*)

3. Core - 30 s.h.*

- MULT 3500 - Research in Multidisciplinary Studies or comparable structured concentration course.
- MULT 4999 - Seminar in Multidisciplinary Studies or comparable structured concentration course.
- A minimum of 24 s.h. of approved courses in the major.

4. Minor or approved structured electives - 18 s.h.*

5. Free electives to complete requirements for graduation.

*Note:

A minimum of 24 s.h. from sections 3 and 4 must be above 2999.
The bachelor of music in music degree has three concentrations - music therapy, music performance, and music theory-composition.

Minimum degree requirement is 128 s.h. as follows:

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

a. Music therapy concentration

Required:

- BIOL 1050 - General Biology
- BIOL 1051 - General Biology Laboratory

Recommended:

- ANTH 1000 - Introduction to Anthropology
- BIOL 2130 - Survey of Human Physiology and Anatomy
- PSYC 1000 - Introductory Psychology
- PSYC 2201 - Psychology of Childhood or
- PSYC 3206 - Developmental Psychology
- SOCI 2110 - Introduction to Sociology

b. Music performance concentration (sacred music)

Recommended:

- RELI 2695 - Introduction to the Old Testament
- RELI 2696 - Introduction to the New Testament

c. Music performance concentration (voice performance)
Recommended:

- DNCE 1011 - Ballet I or
  - DNCE 1013 - Jazz Dance I

- THEA 1010 - Introduction to Acting I

d. Music theory-composition concentration

Recommended:

- PHYS 1050 - Physics and the Environment
  - PHYS 1090 - Physics of Sound
  - PHYS 1091 - Physics of Sound Laboratory

2. Common core - 30 s.h.

- MUSC 1156 - Basic Musicianship
- MUSC 1166 - Basic Musicianship
- MUSC 1176 - Basic Musicianship Laboratory
- MUSC 1186 - Basic Musicianship Laboratory
- MUSC 1406 - Music History and Literature
- MUSC 2406 - Music History and Literature
- MUSC 2156 - Basic Musicianship
- MUSC 2166 - Basic Musicianship
- MUSC 2176 - Basic Musicianship Laboratory
- MUSC 2186 - Basic Musicianship Laboratory
- MUSC 2248 - Music of the World's Peoples
- MUSC 2416 - Music History and Literature
- MUSC 3156 - Conducting
- MUSC 3166 - Conducting
- MUSC 3176 - Basic Musicianship V

3. Concentrations - 56 s.h. 58 s.h.

(Choose one.)
a. Music therapy concentration

This curriculum has been approved by the American Music Therapy Association and completion confers eligibility to take the national certification examination given by the Certification Board for Music Therapists.
Core - 22 s.h.

- MUSC 2277 - Orientation to Therapy
- MUSC 2287 - Orientation to Therapy Practicum
- MUSC 3257 - Music Therapy I: Introduction to Music in Therapy
- MUSC 3267 - Music Therapy II: The Influence of Music on Behavior
- MUSC 3357 - Music Therapy Practicum
- MUSC 3367 - Music Therapy Practicum II
- MUSC 4277 - Music for Group Activities
- MUSC 4287 - Music for Group Activities Practicum
- MUSC 5257 - Psychological Foundations of Music
- MUSC 5267 - Psychological Foundations of Music
- MUSC 5287 - Psychological Foundations of Music Practicum
- MUSC 5297 - Music Therapy Practicum III
- MUSC 5997 - Clinical Internship

Professional studies - 5 s.h.

- PSYC 3375 - Abnormal Psychology
- SPED 2000 - Introduction to Exceptional Children

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 the 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. 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.

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Applied music - 22 s.h.

(guitar, keyboard, percussion, strings or wind, voice)

Applied major - 14 s.h.
- No more than 6 semesters of 1000-level applied and 3 semesters of 3000-level applied
- Present a half senior recital

Applied minor - 8 s.h.

A student who is exempt from any applied minor courses specified must take other applied minor courses to complete the total required hours.

Major instrument: guitar

- MUSC 1105 - Beginning Group Piano
- MUSC 1115 - Beginning Group Piano
- MUSC 1205 - Beginning Voice Group
- MUSC 1215 - Beginning Voice Group
- MUSC 2105 - Intermediate Group Piano
- MUSC 2115 - Intermediate Group Piano
- Choose 2 s.h. minor applied elective

Major instrument: keyboard

- MUSC 1205 - Beginning Voice Group
- MUSC 1215 - Beginning Voice Group
- MUSC 3105 - Functional Guitar Class
- MUSC 3115 - Functional Guitar Class
- Choose 4 s.h. minor applied electives

Major instrument: percussion

- MUSC 1105 - Beginning Group Piano
- MUSC 1115 - Beginning Group Piano
- MUSC 1205 - Beginning Voice Group
- MUSC 1215 - Beginning Voice Group
- MUSC 2105 - Intermediate Group Piano
- MUSC 2115 - Intermediate Group Piano
- MUSC 3105 - Functional Guitar Class
- Choose 1 s.h. minor applied elective

Major instrument: strings or wind

- MUSC 1105 - Beginning Group Piano
- MUSC 1115 - Beginning Group Piano
- MUSC 1205 - Beginning Voice Group
- MUSC 1215 - Beginning Voice Group
- MUSC 2105 - Intermediate Group Piano
- MUSC 2115 - Intermediate Group Piano
- MUSC 3105 - Functional Guitar Class
• Choose 1 s.h. minor applied elective

Major instrument: voice

• MUSC 1105 - Beginning Group Piano
• MUSC 1115 - Beginning Group Piano
• MUSC 2105 - Intermediate Group Piano
• MUSC 2115 - Intermediate Group Piano
• MUSC 3105 - Functional Guitar Class
• MUSC 3115 - Functional Guitar Class
• Choose 2 s.h. minor applied elective

MUSC electives - 2 s.h.

b. Music performance concentration

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 - Beginning Group Piano
• MUSC 1115 - Beginning Group Piano
• MUSC 2105 - Intermediate Group Piano
• MUSC 2115 - Intermediate Group Piano

Jazz studies - 17 s.h.

• MUSC 2095 - Jazz Keyboard Harmony
• MUSC 2096 - Jazz Keyboard Harmony
• MUSC 2195 - Jazz Improvisation
• MUSC 2196 - Advanced Jazz Improvisation
• MUSC 2258 - History of Jazz Music
• MUSC 2295 - Jazz Theory and Arranging
• MUSC 2296 - Jazz Theory and Arranging
• MUSC 4195 - Jazz Seminar
Pedagogy - 5 s.h.

- MUSC 2280 - Introduction to Music Technology
- MUSC 4657 - Directed Study in Instrumental Pedagogy for Brass, Percussion, Strings, or Woodwinds

Performance groups - 10 s.h.

Minimum of 2 semesters selected from:

- MUSC 1706 - Marching Band Field Experience
- MUSC 1715 - Concert Band
- MUSC 1735 - Wind Ensemble
- MUSC 1745 - Symphony Orchestra
- MUSC 1765 - Symphonic Band

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Choose 8 s.h. from the following:

- MUSC 1775 - Jazz Ensemble
- MUSC 1855 - Jazz Chamber Music

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

MUSC electives - 2 s.h.

Jazz studies, vocal

Applied major - 17 s.h.

- 6 s.h. applied major (traditional)
- 11 s.h. applied jazz major
- Present a half senior recital
Applied minor - 4 s.h.

- MUSC 1105 - Beginning Group Piano
- MUSC 1115 - Beginning Group Piano
- MUSC 2105 - Intermediate Group Piano
- MUSC 2115 - Intermediate Group Piano

Jazz studies - 17 s.h.

- MUSC 2095 - Jazz Keyboard Harmony
- MUSC 2096 - Jazz Keyboard Harmony
- MUSC 2195 - Jazz Improvisation
- MUSC 2196 - Advanced Jazz Improvisation
- MUSC 2258 - History of Jazz Music
- MUSC 2295 - Jazz Theory and Arranging
- MUSC 2296 - Jazz Theory and Arranging
- MUSC 4195 - Jazz Seminar

Pedagogy - 6 s.h.

- MUSC 1627 - Italian and English Lyric Diction for Singers
- MUSC 2280 - Introduction to Music Technology
- MUSC 3637 - Voice Pedagogy

Performance groups - 12 s.h.

Minimum of 4 semesters selected from:

- MUSC 1625 - Concert Choir
- MUSC 1635 - University Chorale
- MUSC 1675 - Chamber Singers

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Choose 8 s.h. from:

- MUSC 1775 - Jazz Ensemble
- MUSC 1855 - Jazz Chamber Music

Note:
Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

**MUSC electives - 2 s.h.**

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**Organ performance**

Applied major - 19 s.h.

- No more than 6 semesters of 1000-level applied and 4 semesters of 3000-level applied
- Organ—present a full junior and a full senior recital

Applied minor - 12 s.h.

- MUSC 2125 - Basic Keyboard Skills
- MUSC 2135 - Basic Keyboard Skills
- 8 s.h. applied piano
- 2 s.h. applied harpsichord

Counterpoint - 3 s.h.

- MUSC 4327 - Counterpoint

Organ literature and history - 4 s.h.

- MUSC 5667 - Organ History, Literature, and Design
- MUSC 5677 - Organ History, Literature, and Design

Organ pedagogy - 2 s.h.

- MUSC 5657 - Organ Pedagogy

Performance groups - 8 s.h.

- Minimum of 4 semesters large ensemble
- 2 semesters accompanying

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.
Service playing - 5 s.h.

- MUSC 2476 - Introduction to Service Playing I
- MUSC 4417 - Service Playing
- MUSC 4437 - Service Playing

MUSC electives 2 s.h

Free electives - 3 s.h.

Percussion performance

Applied major - 24 s.h.

- No more than 6 semesters of 1000-level applied and 4 semesters of 3000-level applied

Applied minor - 4 s.h.

- MUSC 1105 - Beginning Group Piano
- MUSC 1115 - Beginning Group Piano
- MUSC 2105 - Intermediate Group Piano
- MUSC 2115 - Intermediate Group Piano

Pedagogy - 3 s.h.

- MUSC 4660 - Percussion Pedagogy and Literature

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 MUSC 1705 must sign a release form to be made available in the music office. 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 of small ensemble.

Note:
Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Music history and literature electives - 6 s.h.

MUSC electives - 2 s.h. 4 s.h.

Free electives - 5 s.h.

Piano pedagogy

Applied major - 20 s.h.

- No more than 6 semesters of 1000-level applied and 4 semesters of 3000-level applied
- Present a full senior recital

Applied minor - 2 s.h.

- 2 s.h. minor applied

Pedagogy - 12 s.h.

- MUSC 2125 - Basic Keyboard Skills
- MUSC 2135 - Basic Keyboard Skills
- MUSC 3707 - Foundations and Principles of Piano Pedagogy
- MUSC 3717 - Elementary Piano Pedagogy
- MUSC 5707 - Seminar: Topics and Problems of Piano Pedagogy
- MUSC 5717 - Advanced Piano Performance Problems
- MUSC 5727 - Piano Pedagogy: Observation and Student Teaching

Performance groups - 8 s.h.

- Minimum of 4 semesters large ensemble
- Minimum of 4 semesters accompanying and/or chamber music

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Piano literature and advanced pedagogy - 6 s.h.
- MUSC 5737 - Piano Literature and Advanced Pedagogy
- MUSC 5747 - Piano Literature and Advanced Pedagogy
- MUSC electives (3 s.h.)

Free electives - 5 s.h.

MUSC electives - 3 s.h. 5 s.h.

Piano performance

Applied major - 24 s.h.

- No more than 6 semesters of 1000-level applied and 4 semesters of 3000-level applied
- Present a full junior recital and full senior recital

Applied minor - 2 s.h.

- 2 s.h. minor applied

Pedagogy - 6 s.h.

- MUSC 2125 - Basic Keyboard Skills
- MUSC 2135 - Basic Keyboard Skills
- MUSC 3707 - Foundations and Principles of Piano Pedagogy
- MUSC 5717 - Advanced Piano Performance Problems

Performance groups - 10 s.h.

- Minimum of 4 semesters large ensemble
- 6 s.h. accompanying and/or chamber music

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Piano literature and advanced pedagogy - 6 s.h.

- MUSC 5737 - Piano Literature and Advanced Pedagogy
- MUSC 5747 - Piano Literature and Advanced Pedagogy
MUSC electives - 3 s.h. 5 s.h.

Free electives - 5 s.h.

Sacred music, organ

Applied major - 16 s.h.

- No more than 6 semesters of 1000-level applied and 4 semesters of 3000-level applied
- Organ—present a full senior recital

Applied minor - 9 s.h.

- MUSC 1205 - Beginning Voice Group
- MUSC 1215 - Beginning Voice Group
- MUSC 2125 - Basic Keyboard Skills
- MUSC 2135 - Basic Keyboard Skills
- 4 s.h. applied piano
- 1 s.h. applied harpsichord

Organ literature and history - 4 s.h.

- MUSC 5667 - Organ History, Literature, and Design
- MUSC 5677 - Organ History, Literature, and Design

Performance groups - 8 s.h.

- Minimum of 4 semesters large choral ensemble
- Minimum of 2 semesters accompanying

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Sacred music - 13 s.h.

- MUSC 2476 - Introduction to Service Playing I
- MUSC 4417 - Service Playing
- MUSC 4437 - Service Playing
- MUSC 4525 - History of Sacred Music and Worship
- MUSC 4526 - Philosophy and Practice of Sacred Music I
- MUSC 4527 - Philosophy and Practice of Sacred Music II
- MUSC 4528 - Sacred Music Internship

**Advanced conducting - 3 s.h.**

- MUSC 5706 - Advanced Applied Conducting or
- MUSC 5716 - Advanced Applied Conducting

**MUSC electives 2 s.h**

**Free electives - 3 s.h.**

**Sacred music, vocal**

**Applied major - 16 s.h.**

- No more than 6 semesters of 1000-level applied and 4 semesters of 3000-level applied
- Voice—present a full senior recital

**Applied minor - 5 s.h.**

- MUSC 1105 - Beginning Group Piano
- MUSC 1115 - Beginning Group Piano
- MUSC 2105 - Intermediate Group Piano
- MUSC 2115 - Intermediate Group Piano
- 1 s.h. piano or organ, in consultation with the degree advisor

**Note:**

Note: 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 - Advanced Applied Conducting
- MUSC 5716 - Advanced Applied Conducting

**Pedagogy - 6 s.h.**
- MUSC 1627 - Italian and English Lyric Diction for Singers
- MUSC 1637 - French Lyric Diction for Singers
- MUSC 1647 - German Lyric Diction for Singers
- MUSC 3637 - Voice Pedagogy

Performance groups - 8 s.h.

- Minimum of 4 semesters large choral ensemble
- Minimum of 4 semesters small ensemble

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Sacred music - 12 s.h.

- MUSC 4525 - History of Sacred Music and Worship
- MUSC 4526 - Philosophy and Practice of Sacred Music I
- MUSC 4527 - Philosophy and Practice of Sacred Music II
- MUSC 4528 - Sacred Music Internship
- MUSC 5906 - Choral Literature
- MUSC 5916 - Choral Literature

MUSC electives 2 s.h

Free electives - 6 s.h.

String performance

Applied major - 24 s.h.

- No more than 6 semesters of 1000-level applied and 4 semesters of 3000-level applied
- Present at least a half junior recital and full senior recital

Applied minor - 6 s.h.

- MUSC 1105 - Beginning Group Piano
- MUSC 1115 - Beginning Group Piano
- MUSC 2105 - Intermediate Group Piano
- MUSC 2115 - Intermediate Group Piano
- Bowed String majors select 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)
• Guitar majors select 2 s.h. minor applied from: bowed strings, piano, jazz guitar, early plucked strings or other area with permission of appropriate applied instructor.

Pedagogy - 3 s.h.

• MUSC 4657 - Directed Study in Instrumental Pedagogy for Brass, Percussion, Strings, or Woodwinds

Performance groups - 12 s.h.

• Minimum of 8 semesters large ensemble
• Minimum of 4 semesters of MUSC 1805

Performance groups for guitar majors:

• Minimum of 8 semesters of MUSC 1805 and 4 semesters of large ensemble

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Music history and literature electives - 6 s.h.

MUSC electives 2 s.h

Free electives - 5 s.h.

Voice performance

Applied major - 16 s.h.

• No more than 6 semesters of 1000-level applied and 4 semesters of 3000-level applied
• Present a half junior recital and a full senior recital

Applied minor - 2 s.h.

• 2 s.h. minor applied piano
• Students are required to pass a departmental piano proficiency examination. In preparation for the exam, students must enroll in MUSC 1305, MUSC 1315 (Functional piano for singers) for 2 semesters. Students desiring further preparation may take piano minor, piano accompanying, MUSC 1105, MUSC 1115, MUSC 2105, and/or MUSC 2115 for no credit.
Performance groups - 10 s.h.

- Minimum of 8 semesters large choral ensemble
- Minimum of 2 semesters of opera workshop or theatre

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Foreign language and diction - 21 s.h.

- Minimum of 6 s.h. FREN
- Minimum of 6 s.h. GERM
- Minimum of 6 s.h. ITAL
- MUSC 1627 - Italian and English Lyric Diction for Singers
- MUSC 1637 - French Lyric Diction for Singers
- MUSC 1647 - German Lyric Diction for Singers

Voice pedagogy - 3 s.h.

- MUSC 3637 - Voice Pedagogy

Music history and literature - 4 s.h.

- MUSC 4496 - Opera History
- MUSC 4596 - Historical Development of Solo Vocal Literature

MUSC electives 2 s.h

Wind performance

Applied major - 24 s.h.

- No more than 6 semesters of 1000-level applied and 4 semesters of 3000-level applied
- Present at half junior recital and full senior recital

Applied minor - 4 s.h.

- MUSC 1105 - Beginning Group Piano
- MUSC 1115 - Beginning Group Piano
- MUSC 2105 - Intermediate Group Piano
- MUSC 2115 - Intermediate Group Piano

Pedagogy - 3 s.h.

- MUSC 4657 - Directed Study in Instrumental Pedagogy for Brass, Percussion, Strings, or Woodwinds

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 MUSC 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.

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

MUSC electives 2 s.h

- c. Music theory-composition concentration

Applied major - 14 s.h.

- No more than 6 semesters of 1000-level applied and 4 semesters of 3000-level applied
- Present half senior recital

Applied minor - 2-6 s.h.

- MUSC 1105 - Beginning Group Piano
- MUSC 1115 - Beginning Group Piano
- MUSC 2105 - Intermediate Group Piano
- MUSC 2115 - Intermediate Group Piano
- Note: 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

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 1705, 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.

Note:

Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.

Theory-composition, theory emphasis

Advanced theory - 11 s.h.

• MUSC 4327 - Counterpoint
• MUSC 4328 - Language of Post-tonal Music
• MUSC 4506 - Directed Study in Music Theory
• Note: 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 - Introduction to Schenkerian Analysis

Composition - 4 s.h.

• Choose one from:
  • MUSC 3326 - Composition
  • MUSC 3336 - Composition
  •
• Choose one from:
  • MUSC 3366 - Electronic Music Composition
  • MUSC 3386 - Electronic Music Composition

Music history and literature electives - 6 s.h.

MUSC electives - 4 s.h. 6 s.h.
Free electives - 5 s.h. (9 s.h. for keyboard majors)

Theory-composition, composition emphasis

Note: 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.

Composition (Choose one option.)

Note: 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 - Composition
- MUSC 3336 - Composition
- MUSC 4366 - Advanced Composition in Electronic Media

Traditional media option - 14 s.h.

- MUSC 3326 - Composition
- MUSC 3336 - Composition
- MUSC 3366 - Electronic Music Composition
- MUSC 3386 - Electronic Music Composition
- MUSC 4326 - Composition
- MUSC 4336 - Composition

Music history and literature - 6 s.h.

- MUSC 4446 - Music of the Modern and Postmodern Eras
- Music history and literature electives - 4 s.h.

Advanced theory - 8 s.h.

- MUSC 4327 - Counterpoint
- MUSC 4328 - Language of Post-tonal Music

Choose one of the following:
- MUSC 4536 - Introduction to Schenkerian Analysis
- MUSC 5336 - Advanced Orchestration
MUSC electives 2 s.h

Free electives - 2 s.h. (6 s.h. for keyboard majors)
Music Education, BM

Minimum degree requirement is 128 s.h. as follows:

1. Foundations curriculum requirements including those listed below - 42 s.h.  40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

- PSYC 1000 - Introductory Psychology
- PSYC 2777 - Ethnocultural Psychology or
  SOCI 1010 - Race, Gender, Class

2. Common core - 65 s.h.  67 s.h.

Core MUSC courses - 30 s.h.

- MUSC 1156 - Basic Musicianship
- MUSC 1166 - Basic Musicianship
- MUSC 1176 - Basic Musicianship Laboratory
- MUSC 1186 - Basic Musicianship Laboratory
- MUSC 1406 - Music History and Literature
- MUSC 2406 - Music History and Literature
- MUSC 2416 - Music History and Literature
- MUSC 2156 - Basic Musicianship
- MUSC 2166 - Basic Musicianship
- MUSC 2176 - Basic Musicianship Laboratory
- MUSC 2186 - Basic Musicianship Laboratory
- MUSC 2248 - Music of the World's Peoples
- MUSC 3156 - Conducting
- MUSC 3166 - Conducting
- MUSC 3176 - Basic Musicianship V

Music Electives - 2 s.h.

Performance groups - 7 s.h.

Minimum of 5 semesters large ensemble is required. Approval of student’s major applied instructor and ensemble directors is required for ensemble registration.
Music education majors whose primary instrument is wind/percussion must include either two semesters of MUSC 1706 or one semester of MUSC 1706 and one semester of MUSC 3277.

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 MUSC 1705 must sign a release form to be made available in the music office. 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 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 MUSC 3217 or MUSC 3237 or consent of instructor) as a small ensemble

Music education - 8 s.h.

(*with at least a C in each to be admitted to internship)

- MUSC 2123 - Early Experiences for the Prospective Teacher *

Instrumental music education track:

- MUSC 2345 - Introduction to Secondary General Music *
- MUSC 3217 - Beginning Instruction in Instrumental Music *
- MUSC 3227 - Rehearsal Techniques in Secondary Instrumental Music Education *
- MUSC 4323 - Materials and Methods of Instrumental Music Teaching *

Vocal/general music education track:

- MUSC 2205 - Advanced Group Piano
- MUSC 3237 - Beginning Instruction in Vocal-General Music Education *
- MUSC 3247 - Rehearsal Techniques in Secondary Vocal-Choral Music Education *
- MUSC 4333 - Materials and Methods of Vocal-General Music Teaching *

Professional studies - 20 s.h.

- EDUC 3200 - Foundations of American Education

- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
- PSYC 4305 - Educational Psychology
• MUSC 4324 - Internship in Music Education
• MUSC 4325 - Internship Seminar: Issues in Music Education
• READ 3990 - Teaching Reading in the Content Areas in the Secondary School
• SPED 4010 - Effective Instruction in Inclusive Classrooms

3. Applied music – 21 s.h.

(keyboard, string, voice, wind or percussion)

Applied major - 14 s.h.

• No more than 6 semesters of 1000-level applied and 3 semesters of 3000-level applied
• Present a half senior recital

Applied minor - 7 s.h.:

A student who is exempt from any applied minor courses specified must take other applied minor courses to complete the total required hours.

Major instrument: keyboard

• MUSC 1061 - Lower-Level Applied Music: Voice
• MUSC 1205 - Beginning Voice Group
• MUSC 1215 - Beginning Voice Group
• MUSC 1455 - Introduction to Winds and Percussion
• MUSC 2315 - String Class

Major instrument: strings

• MUSC 1105 - Beginning Group Piano
• MUSC 1115 - Beginning Group Piano
• MUSC 1205 - Beginning Voice Group
• MUSC 1455 - Introduction to Winds and Percussion
• MUSC 3697 - Introduction to String Teaching

Major instrument: voice

• MUSC 1105 - Beginning Group Piano
• MUSC 1115 - Beginning Group Piano
• MUSC 1455 - Introduction to Winds and Percussion
• MUSC 2105 - Intermediate Group Piano
• MUSC 2115 - Intermediate Group Piano
- MUSC 2315 - String Class

Major instrument: wind or percussion

- MUSC 1105 - Beginning Group Piano
- MUSC 1115 - Beginning Group Piano
- MUSC 1205 - Beginning Voice Group
- MUSC 2315 - String Class

*The following to be selected according to applied major instrument:*

- MUSC 1415 - Woodwind Group
- MUSC 1435 - Brass Group
- MUSC 1445 - Percussion Group
Nursing, Bachelor of Science

Minimum degree requirement is **128** s.h. of credit as follows:

1. Foundations curriculum requirements including those listed below **42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

- BIOL 2110 - Fundamentals of Microbiology
- BIOL 2111 - Fundamentals of Microbiology Laboratory
- CHEM 1130 – Organic and Biochemistry for the Allied Health Sciences
- CHEM 1120 - Introduction to Chemistry for the Allied Health Sciences
- MATH 1065 - College Algebra
- PSYC 1000 - Introductory Psychology
- PSYC 3206 - Developmental Psychology
- SOCI 2110 - Introduction to Sociology
- Choose an approved 3 s.h. ethics course

2. Professional nursing core - 40 s.h.

(BSN pre-licensure students only)

- NURS 3210 - Nurse as Care Provider
- NURS 3211 - Nurse as Care Provider Clinical
- NURS 3270 - Clinical Nursing Foundations I
- NURS 3271 - Clinical Nursing Foundations I Laboratory
- NURS 3280 - Concepts of Pathophysiology for Nursing
- NURS 3330 - Nursing Care of Families During the Childbearing Phase
- NURS 3331 - Nursing Care of Families During the Childbearing Phase Clinical
- NURS 3340 - Nursing Care of Children
- NURS 3341 - Nursing Care of Children Clinical
- NURS 3370 - Clinical Nursing Foundations II
- NURS 3371 - Clinical Nursing Foundations II Laboratory
- NURS 3380 - Pharmacotherapeutics in Nursing
- NURS 4010 - Nursing Care of Clients with Alterations in Mental Health
- NURS 4011 - Nursing Care of Clients with Alterations in Mental Health Clinical
- NURS 4020 - Nursing Care of Adults
- NURS 4021 - Nursing Care of Adults Clinical
- NURS 4140 - Research in Nursing

3. Specialization areas - 27-33 s.h.

(Choose one.)
Professional nursing (27 s.h.)

(Pre-licensure students)

- NURS 3020 - Health Assessment
- NURS 3021 - Health Assessment Laboratory
- NURS 3200 - Introduction to Professional Nursing
- NURS 3520 - Trends and Issues in Professional Nursing
- NURS 3550 - Health of the Older Adult
- NURS 4150 - Nursing Leadership
- NURS 4210 - Nursing Care of Populations and Communities
- NURS 4211 - Nursing Care of Populations and Communities Clinical
- NURS 4500 - Theory Capstone
- NURS 4511 - Clinical Capstone

Registered nurse students (33 s.h.)

Upon completion of NURS 4901, registered nurses receive 34 s.h. placement credit for the remaining core nursing courses. Registered nurse students who maintain a minimum cumulative GPA of 3.5 or above in all courses applied to the completion of the RN-BSN option and have earned a grade of “A” in NURS 4907 and NURS 4908 may qualify to graduate with distinction.

- NURS 4901 - Nursing Research, Clinical Scholarship, and Evidence Based Practice
- NURS 4902 - Professional Communication in Nursing
- NURS 4903 - Critical Thinking to Facilitate Role Transition: RN to BSN
- NURS 4904 - Professionalism in Baccalaureate Nursing Practice
- NURS 4905 - Nursing in a Global Society
- NURS 4906 - Community Health Nursing
- NURS 4907 - Nursing Leadership and Finance
- NURS 4908 - RN to BSN Practice Experience Capstone

4. Cognates - 17 s. h. 18 s. h.

- BIOL 2140 - Human Physiology and Anatomy I
- BIOL 2150 - Human Physiology and Anatomy II
- BIOL 2141 - Human Physiology and Anatomy I Laboratory
- BIOL 2151 - Human Physiology and Anatomy II Laboratory
- CHEM 1120 - Introduction to Chemistry for the Allied Health Sciences
- CHEM 1130 - Organic and Biochemistry for the Allied Health Sciences* This course may count toward foundations curriculum
- NUTR 2105 - Nutrition Science
- An approved 3 s. h. statistics course

5. Electives to complete requirements for graduation—2-4 s.h.
Philosophy, BA

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

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

(For information about the foreign language requirement see Additional Requirements for BA Degree and Placement Testing, Foreign Language.)

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.
Physical Education, BS

Minimum degree requirement is 127 s.h. 126 s.h. of credit as follows:

1. Foundations curriculum and special requirements for students preparing to teach and for certification including those listed below - 42 s.h. 40 s.h.

   (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

   • BIOL 1050 - General Biology
   • BIOL 1051 - General Biology Laboratory or
   • BIOL 1100 - Principles of Biology I
   • BIOL 1101 - Principles of Biology Laboratory I
   • PHYS 1250 - General Physics
   • PHYS 1251 - General Physics Laboratory

2. Core - 37 s.h.

   • KINE 2000 - Introductory Exercise and Sport Science
   • KINE 2122 - Motor Development
   • KINE 2202 - Motor Learning and Performance
   • KINE 2600 - Movement Education
   • KINE 2850 - Structural Kinesiology
   • KINE 2900 - Teaching Skillful Movement
   • KINE 3000 - Curriculum in Physical Education
   • KINE 3500 - Secondary Content in Physical Education
   • KINE 3540 - Fitness Education
   • KINE 3805 - Physiology of Exercise
   • KINE 3850 - Introduction to Biomechanics
   • KINE 3900 - Elementary School Instruction in Physical Education
   • KINE 3906 - Physical Education for Special Populations
   • KINE 4804 - Measurement and Evaluation in Exercise and Sport Science

3. Cognates - 7 s.h. 8 s.h.

   • BIOL 2130 - Survey of Human Physiology and Anatomy
   • HLTH 4323 - Health Education Methods for Middle and Secondary Grades
   • PHYS 1251 - General Physics Laboratory

4. Professional studies - 29-30 s.h.

   • EDTC 4001 - Technology in Education
   • EDUC 3002 - Introduction to Diversity
   • EDUC 3200 - Foundations of American Education
   • EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
   • PSYC 4305 - Educational Psychology
• KINE 2123 - Early Experiences for the Prospective Teacher
• KINE 4323 - Middle and High School Instruction in Physical Education
• KINE 4324 - Internship in Exercise and Sport Science
• KINE 4325 - Internship Seminar: Issues in Physical Education

• READ 3990 - Teaching Reading in the Content Areas in the Secondary School or
• READ 5317 - Reading in the Junior and Senior High School
• SPED 2000 - Introduction to Exceptional Children

5. Interdisciplinary human studies academic concentration - 18 s.h.

(A maximum of 6 s.h. may count toward foundations curriculum requirements.) Courses required for licensure:

• HLTH 2125 - Safety Education and First Aid
• HLTH 2126 - Safety Education and First Aid Laboratory
• HLTH 3020 - Health Disparities
• NUTR 2105 - Nutrition Science
• 9 s.h. electives to complete interdisciplinary human studies concentration (See College of Education, Academic Concentrations)
Political Science, BA

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

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

(For information about the foreign language requirement see Additional Requirements for BA Degree and Placement Testing, Foreign Language.)

3. Core - 36 s.h.

- POLS 1010 - National Government
- POLS 2010 - Introduction to Comparative Government and Politics
- POLS 2020 - Introduction to International Relations
- POLS 2070 - Introduction to Political Theory or
- POLS 3008 - Topics in Political Theory or
- POLS 3050 - Theory and Politics of Social and Protest Movements in the United States
- POLS 2090 - Writing for Political Science
- POLS 3031 - Research Design for Political Science

Choose a minimum of 18 s.h. of POLS above 2999

4. Minor and electives to complete requirements for graduation.
Political Science, BS

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

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Core - 51 s.h.

Specific required courses, structured electives, and open electives chosen from the following classes. No course counted for the POLS major may count for the POLS minor.

a. American government and politics - 9 s.h.

- POLS 1010 - National Government
- POLS 3240 - State and Local Government

Choose 3 s.h. from:

- POLS 3006 - Topics in American Politics
- POLS 3033 - Voting Behavior and Public Opinion
- POLS 3034 - Political Marketing
- POLS 3035 - American Political Parties and Politics
- POLS 3037 - Campaigns and Elections
- POLS 3039 - Black Politics in America
- POLS 3040 - Women in Politics
- POLS 3045 - Humor and American Politics
- POLS 3090 - Religion and American Politics
- POLS 3202 - The American Legislature
- POLS 3203 - The American Executive
- POLS 3204 - The American Judiciary
- POLS 3223 - Constitutional Powers
- POLS 3224 - Civil Liberties
- POLS 3241 - Urban Political Systems
- POLS 3244 - North Carolina Politics
- POLS 4125 - Comparative Constitutional Law
- POLS 4321 - Contemporary Southern Politics

b. Comparative government and international politics - 9 s.h.

- POLS 2010 - Introduction to Comparative Government and Politics
- POLS 2020 - Introduction to International Relations
Choose 3 s.h. from:

- POLS 3007 - Selected Topics in International Relations and Comparative Politics
- POLS 3140 - Politics of Globalization
- POLS 3144 - American Foreign Policy
- POLS 3155 - National Security Policy
- POLS 3180 - The U.S. Intelligence Community
- POLS 3232 - The European Union
- POLS 3234 - West European Political Systems
- POLS 3236 - Russian Politics
- POLS 3260 - Middle Eastern Political Systems
- POLS 3265 - African Political Systems
- POLS 3282 - East Asian Political Systems
- POLS 3290 - Conflict and Peace in the Post-Cold War Era
- POLS 3291 - Politics of Genocide in the Twentieth Century
- POLS 3293 - International Organizations
- POLS 3295 - International Law
- POLS 3297 - International Political Economy
- POLS 4000 - Political Leadership
- POLS 4360 - Politics of Developing Areas
- POLS 4382 - Politics of Terrorism
- POLS 4383 - War in the Modern Age

C. Political theory, methods, and skills - 12 s.h.

- POLS 2090 - Writing for Political Science
- POLS 3031 - Research Design for Political Science
- POLS 3032 - Statistical Methods for Political Science

Choose 3 s.h. from:

- POLS 2070 - Introduction to Political Theory
- POLS 3008 - Topics in Political Theory
- POLS 3042 - American Politics Through Music
- POLS 3050 - Theory and Politics of Social and Protest Movements in the United States

D. Public administration and public policy - 6 s.h.

Choose 3 s.h. from:

- POLS 3252 - Public Administration
- POLS 3255 - Domestic Public Policy

Choose 3 s.h. from:

- POLS 3009 - Topics in Public Administration and Public Policy
e. Electives in political science - 15 s.h.

Independent study, directed readings, internships, and honors:

Choose a maximum of 6 s.h. from one of the following course groups:

- POLS 4501 - Independent Study in Political Science
- POLS 4502 - Independent Study in Political Science
- POLS 4521 - Directed Readings in Political Science
- POLS 4522 - Directed Readings in Political Science
- POLS 4981 - Internship in Practical Politics
- POLS 4982 - Internship in Practical Politics
- POLS 4991 - Internship in Public Administration
- POLS 4992 - Internship in Public Administration (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 (Open to POLS majors who have been invited to participate in the Honors Program)
- POLS 4552 - Honors (Open only to POLS majors who have a minimum grade of B in POLS 4551)

Choose 15 s.h. from any of the fields above and from the following:

- POLS 1050 - Politics and Global Understanding
- POLS 3012 - Politics Through Film
- POLS 3080 - Security and Weapons of Mass Destruction
- POLS 4175 - Legal Negotiation and Analysis

3. Cognate - 3 s.h.

- COMM 2410 - Public Speaking

4. Minor - 18 s.h.

5. General electives to complete requirements for graduation.
Psychology, BA

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

1. Foundations curriculum requirements - **42 s.h. 40 s.h.**

   (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum.*)

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

   (For information about the foreign language requirement see *Additional Requirements for BA Degree and Placement Testing, Foreign Language.*)

3. Core - 35 s.h.

   - PSYC 1000 - Introductory Psychology or
     - PSYC 1060 - Honors Introduction to Psychology
   
   - BIOS 1500 - Introduction to Biostatistics or
     - MATH 2228 - Elementary Statistical Methods I or
     - MATH 2283 - Statistics for Business or
     - PSYC 2101 - Psychological Statistics
   
   - PSYC 2210 - Research Methods in Psychology

Choose one from learning and cognition group:

   - PSYC 3225 - Psychology of Learning or
     - PSYC 3226 - Cognitive Psychology or
     - PSYC 3227 - Learning Theories and Applications

Choose one from biological bases group:

   - PSYC 3310 - Introduction to Neuroscience or
     - PSYC 3311 - Neuropsychology or
     - PSYC 3312 - Sensation and Perception

Choose two from general course group:
• PSYC 3206 - Developmental Psychology
• PSYC 3221 - Social Psychology
• PSYC 3300 - Psychology of Personality
• PSYC 3325 - Introduction to Psychological Testing
• PSYC 3375 - Abnormal Psychology

Choose one from capstone group:

• PSYC 4000 - Advanced General Psychology
• PSYC 4250 - Advanced Topics Seminar
• PSYC 4280 - History of Psychology
• PSYC 4402 - Senior Thesis/Project
• PSYC 4602 - Senior Honors Thesis

Choose 9 s.h. of electives from any psychology course below 6000

4. Minor - 18-30 s.h.

5. General electives to complete requirements for graduation.
Public Health Studies, BS

Minimum degree requirement is 126 s.h. as follows:
1. Foundations curriculum requirements including those listed below for all concentrations, as well as additional foundations curriculum requirements for each concentration 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

All concentrations:

- HLTH 1000 - Health in Modern Society
- MATH 1065 - College Algebra
- PSYC 1000 - Introductory Psychology

Community health concentration:

- BIOL 1050 - General Biology
- BIOL 1051 - General Biology Laboratory

or

- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology Laboratory I
- BIOL 2130 - Survey of Human Physiology and Anatomy
- SOCI 2110 - Introduction to Sociology

Prehealth professions concentration:

- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology Laboratory I
- BIOL 1200 - Principles of Biology II
- BIOL 1201 - Principles of Biology Laboratory II
- SOCI 2110 - Introduction to Sociology

Worksite health promotion:

- BIOL 1050 - General Biology
- BIOL 1051 - General Biology Laboratory

or

- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology Laboratory I
- BIOL 2130 - Survey of Human Physiology and Anatomy
- PSYC 3241 - Personnel and Industrial Psychology

2. Common core - 21 s.h.

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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>BIOS 1500</td>
<td>Introduction to Biostatistics or</td>
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<tr>
<td>MATH 2228</td>
<td>Elementary Statistical Methods I</td>
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<tr>
<td>EHST 2110</td>
<td>Introduction to Environmental Health Sciences</td>
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<td>HLTH 2000</td>
<td>Principles of Public Health</td>
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<tr>
<td>HLTH 3010</td>
<td>Health Problems I</td>
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<td>Health Disparities</td>
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<td>HLTH 3050</td>
<td>Public Health Systems and Policy</td>
</tr>
<tr>
<td>HLTH 4011</td>
<td>Introduction to Epidemiology in Health Education and Promotion</td>
</tr>
</tbody>
</table>

3. Concentrations - 37-47 s.h.

(Choose one concentration.)

a. Community health concentration (37-41 s.h.)

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>BIOL 2131</td>
<td>Survey of Human Physiology and Anatomy Laboratory</td>
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<tr>
<td>HLTH 3000</td>
<td>Theory and Practice in Community Health Education</td>
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<td>HLTH 3002</td>
<td>Women's Health Across the Lifespan</td>
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<td>HLTH 3520</td>
<td>Introduction to Global Health</td>
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<td>HLTH 4605</td>
<td>Community Strategies for Health Education</td>
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<td>HLTH 4609</td>
<td>Needs Assessment and Program Planning</td>
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<tr>
<td>HLTH 4611</td>
<td>Program Evaluation</td>
</tr>
<tr>
<td>HLTH 4880</td>
<td>Capstone: Applied Principles of Health Education and Promotion</td>
</tr>
<tr>
<td>HLTH 4991</td>
<td>Health Education and Promotion Internship</td>
</tr>
<tr>
<td>NUTR 1000</td>
<td>Contemporary Nutrition or</td>
</tr>
<tr>
<td>NUTR 2105</td>
<td>Nutrition Science</td>
</tr>
</tbody>
</table>

Cognates

- BIOL 2130 - Survey of Human Physiology and Anatomy (This course can count towards foundations curriculum requirements.)
- BIOL 2131 - Survey of Human Physiology and Anatomy Laboratory
- NUTR 1000 - Contemporary Nutrition or
- NUTR 2105 - Nutrition Science

b. Prehealth professions (44-47 s.h.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>BIOL 2130</td>
<td>Survey of Human Physiology and Anatomy</td>
</tr>
<tr>
<td>BIOL 2131</td>
<td>Survey of Human Physiology and Anatomy Laboratory</td>
</tr>
<tr>
<td>BIOL 2140</td>
<td>Human Physiology and Anatomy I</td>
</tr>
<tr>
<td>BIOL 2141</td>
<td>Human Physiology and Anatomy I Laboratory and</td>
</tr>
</tbody>
</table>
- BIOL 2150 - Human Physiology and Anatomy II
- BIOL 2151 - Human Physiology and Anatomy II Laboratory
- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- HLTH 3030 - Health Behavior
- HLTH 3300 - Introduction to Patient Education
- HLTH 4200 - Planning and Evaluation in Health Promotion

Cognates

- BIOL 1201 - Principles of Biology Laboratory II
- BIOL 2130 - Survey of Human Physiology and Anatomy
- BIOL 2131 - Survey of Human Physiology and Anatomy Laboratory or
- BIOL 2140 - Human Physiology and Anatomy I
- BIOL 2141 - Human Physiology and Anatomy I Laboratory and
- BIOL 2150 - Human Physiology and Anatomy II
- BIOL 2151 - Human Physiology and Anatomy II Laboratory
- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II

Choose 22 s.h. from the following:

- ATEP 2800 - Medical Nomenclature for Human Performance or
- HIMA 3000 - Medical Terminology for Health Professionals
- BIOL 2110 - Fundamentals of Microbiology
- BIOL 2111 - Fundamentals of Microbiology Laboratory
- BIOL 2300 - Principles of Genetics
- CHEM 2750 - Organic Chemistry I
- CHEM 2753 - Organic Chemistry Laboratory I
- CHEM 2760 - Organic Chemistry II
- CHEM 2763 - Organic Chemistry Laboratory II
- CHEM 2770 - Biological Chemistry
- CHEM 2771 - Biological Chemistry Laboratory
- HLTH 4901 - Prehealth Professions Field Experience
- HLTH 4902 - Prehealth Professions Field Experience
- HLTH 4910 - Prehealth Professions Internship or
- other approved HLTH electives
- KINE 2850 - Structural Kinesiology
- KINE 3805 - Physiology of Exercise
- PHYS 1250 - General Physics
- PHYS 1251 - General Physics Laboratory
- PHYS 1260 - General Physics
- PHYS 1261 - General Physics Laboratory
c. Worksite Health Promotion (4751 s.h.)

- EHST 3900 - Introduction to Occupational Health or
- ITEC 3292 - Industrial Safety
- FINA 2244 - Legal Environment of Business
- HLTH 3030 - Health Behavior
- HLTH 4006 - Health Promotion in the Workplace
- HLTH 4609 - Needs Assessment and Program Planning
- HLTH 4611 - Program Evaluation
- HLTH 4880 - Capstone: Applied Principles of Health Education and Promotion
- HLTH 4991 - Health Education and Promotion Internship
- KINE 2850 - Structural Kinesiology
- KINE 3805 - Physiology of Exercise
- KINE 4805 - Exercise Evaluation and Prescription Laboratory
- KINE 4806 - Exercise Evaluation and Prescription
- MGMT 3202 - Fundamentals of Management
- NUTR 1000 - Contemporary Nutrition or
- NUTR 2105 - Nutrition Science

**Cognates**

- BIOL 2130 - Survey of Human Physiology and Anatomy (This course can count towards foundations curriculum requirements.)
- EHST 3900 - Introduction to Occupational Health or
- ITEC 3292 - Industrial Safety
- FINA 2244 - Legal Environment of Business
- KINE 2850 - Structural Kinesiology
- KINE 3805 - Physiology of Exercise
- KINE 4805 - Exercise Evaluation and Prescription Laboratory
- KINE 4806 - Exercise Evaluation and Prescription
- MGMT 3202 - Fundamentals of Management
- NUTR 1000 - Contemporary Nutrition or
- NUTR 2105 - Nutrition Science

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.
Recreation and Park Management, BS

The minimum degree requirement is 121 3 s.h. of credit as follows:

1. **Foundations curriculum requirements – 40 s.h.**

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. **Core - 44 s.h.**

   - RCLS 2000 - Foundations of Recreation, Parks, and Tourism Studies
   - RCLS 2901 - Professional Seminar in Recreation, Park and Tourism Management I
   - RCLS 3003 - Recreation and Event Programming
   - RCLS 3004 - Recreation Programming Experience
   - RCLS 3131 - Recreation for Diverse Populations
   - RCLS 3901 - Professional Seminar in Recreation, Park and Tourism Management II
   - RCLS 4000 - Research Methods and Techniques
   - RCLS 4002 - Recreation, Parks, and Tourism Administration I
   - RCLS 4003 - Recreation, Parks, and Tourism Administration II
   - RCLS 4004 - Philosophical and Theoretical Issues in Leisure
   - RCLS 4080 - Recreation Facilities Management
   - RCLS 4111 - Recreation and Park Planning
   - RCLS 4901 - Recreation and Park Management Internship Pre-Placement Seminar
   - RCLS 4990 - Recreation and Park Management Internship

3. **Restricted electives - 21 s.h.**

   (Choose from the following courses in consultation with the advisor.)

   - RCLS 2400 - Adventure-Based Program Leadership
   - RCLS 2600 - Outdoor Recreation Activities
   - RCLS 2601 - Leisure in Society
   - RCLS 3104 - Public and Non-Profit Recreation
   - RCLS 3120 - Commercial Recreation and Tourism
   - RCLS 3300 - Outdoor Recreation Programming
   - RCLS 3500 - Recreation Leadership and Group Process
   - RCLS 3501 - Recreation Leadership and Group Process Lab
   - RCLS 4090 - Aquatic Facilities Management
   - RCLS 4120 - Recreation, Parks, and Tourism Marketing
   - RCLS 4121 - Tourism Planning and Development
   - RCLS 4122 - Case Studies in Recreation, Parks, and Tourism Management
   - RCLS 4123 - Study Abroad in International Sustainability
   - RCLS 4124 - Study Abroad in Sustainable Tourism
   - RCLS 4130 - Recreational Sport Programming
   - RCLS 4170 - Youth Development Organizations and Services
   - RCLS 4800 - Great Smoky Mountains Outdoor Field Experience
   - Courses from an approved minor
   - Other courses as approved by the RPM degree director

4. **Electives to complete requirements for graduation.**
Recreational Therapy, BS

The minimum degree requirement is **124 s.h.** of credit as follows:

1. Foundations curriculum requirements including those listed below - **42 s.h. 40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

- BIOL 1050 - General Biology
- BIOL 1051 - General Biology Laboratory

  or

- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology Laboratory I

  or

- BIOL 1150 - Principles of Biology: A Human Approach
- BIOL 1151 - Principles of Biology: A Human Approach Discussion

- **BIOL 2130** - Survey of Human Physiology and Anatomy

- MATH 1065 - College Algebra or
- MATH 1066 - Applied Mathematics for Decision Making or
- MATH 1067 - Algebraic Concepts and Relationships or
- MATH 2127 - Basic Concepts of Mathematics

- PHIL 2275 - Professional Ethics or
- PHIL 3281 - Introduction to Philosophical Ethics in the Health Care Professions

- PSYC 1000 - Introductory Psychology
- PSYC 3206 - Developmental Psychology
- RCLS 2601 - Leisure in Society

- **SOCL 2110** - Introduction to Sociology

2. Core - 54 s.h.
- RCLS 3003 - Recreation and Event Programming
- RCLS 3004 - Recreation Programming Experience
- RCLS 4000 - Research Methods and Techniques
- RCLS 4004 - Philosophical and Theoretical Issues in Leisure
- RCTX 2230 - Recreational Therapy Foundations
- RCTX 3240 - Disability Survey for Recreational Therapy Services
- RCTX 3262 - RT Physical and Movement Interventions
- RCTX 3263 - RT Cognitive and Psychosocial Interventions
- RCTX 4200 - Advanced Stress Management
- RCTX 4252 - Recreational Therapy Leadership and Group Dynamics
- RCTX 4254 - Assessment and Measurement in Recreational Therapy
- RCTX 4260 - Recreational Therapy Senior Practicum
- RCTX 4266 - Organization and Management of Recreational Therapy Services
- RCTX 4268 - Comprehensive and Individual Treatment Programming in Recreational Therapy
- RCTX 4900 - Recreational Therapy Professional Development
- RCTX 4902 - Recreational Therapy Internship Pre-Placement Seminar
- RCTX 4990 - Recreational Therapy Internship

3. Cognates - **16** s.h.

- ATEP 2800 - Medical Nomenclature for Human Performance
- BIOL 2130 - Survey of Human Physiology and Anatomy
- BIOL 2131 - Survey of Human Physiology and Anatomy Laboratory
- KINE 2850 - Structural Kinesiology
- PSYC 3225 - Psychology of Learning or
- PSYC 3226 - Cognitive Psychology
- PSYC 3375 - Abnormal Psychology

Choose 6 s.h. from:

- KINE 5303 - Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities or
- KINE 5903 - Physical Activity Programs for Individuals with Orthopedic, Neurologic, and Sensory Impairments
- RCLS 2400 - Adventure-Based Program Leadership
- RCTX 3202 - Camping and Adventure Programming for Individuals with Disabilities
- RCTX 4210 - Introduction to Biofeedback
- RCTX 4211 - Biofeedback Lab
- RCTX 5000 - Theoretical Foundations of Aquatic Rehabilitation
- RCTX 5001 - Applied Techniques in Aquatic Rehabilitation
- Other courses as approved by the degree director.

4. Electives to complete requirements for graduation.
Rehabilitation Services, BS

Minimum degree requirement is 121 s.h. of credit as follows:

1. Foundations curriculum requirements including those listed below 42 s.h. 40 s.h.

   (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)
   
   - MATH 1065 - College Algebra or equivalent

2. Core - 48 s.h.

   - ADRE 2000 - Survey of Community Resources in Rehabilitation and Health Care
   - ADRE 2003 - Alcohol and Drug Abuse: Health and Social Problem
   - ADRE 3000 - Introduction to Rehabilitation
   - ADRE 3010 - Case Management in Rehabilitation
   - ADRE 4000 - Interviewing Techniques for Health and Rehabilitation Settings
   - ADRE 4993 - Rehabilitation Services Internship
   - ADRE 4994 - Rehabilitation Services Internship
   - ADRE 4995 - Rehabilitation Services Internship
   - ADRE 4996 - Rehabilitation Services Internship
   - BIOS 1500 - Introduction to Biostatistics or equivalent
   - HLTH 3010 - Health Problems I
   - PSYC 3221 - Social Psychology
   - PSYC 3325 - Introduction to Psychological Testing
   - PSYC 3375 - Abnormal Psychology
   - SOCW 2010 - Introduction to Social Work Practice with Special Populations

   Choose 3 s.h. from:

   - ADRE 4100 - Occupational Analysis and Job Placement
   - ADRE 4400 - Introduction to Vocational Evaluation

3. Cognates - 5-8 s.h.

   - BIOL 2130 - Survey of Human Physiology and Anatomy or

4. Minor or structured electives to complete requirements for graduation.
Social Work, BSW

Social work majors must pass all required social work courses with a minimum grade of C (2.0).

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

1. Foundations curriculum requirements including those listed below **42 s.h. 40 s.h.**

   (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*.)

   - BIOL 1050 - General Biology
   - BIOL 1051 - General Biology Laboratory
   - BIOL 1060 - Environmental Biology
   - ECON 2113 - Principles of Microeconomics
   - MATH 1065 - College Algebra
   - POLS 1010 - National Government
   - PSYC 1000 - Introductory Psychology
   - SOCI 2110 - Introduction to Sociology

2. Core - 57 s.h.

   - SOCW 1010 - Introduction to Social Welfare and Social Work
   - SOCW 2010 - Introduction to Social Work Practice with Special Populations
   - SOCW 3101 - Human Behavior and the Social Environment I
   - SOCW 3201 - Social Work Practice I
   - SOCW 3202 - Social Work Practice II
   - SOCW 3306 - Social Work Policy I
   - SOCW 3401 - Social Work Research
   - SOCW 3402 - Applied Research and Statistics in Social Work
   - SOCW 3501 - Writing for Social Work
   - SOCW 4102 - Human Behavior and the Social Environment II
   - SOCW 4203 - Social Work Practice III
   - SOCW 4306 - Social Work Policy II
   - SOCW 4980 - Pre-Field Capstone
   - SOCW 4990 - Field Education and Seminar
   - Choose 6 s.h. SOCW electives

3. Cognates - **42 19 s.h.**

   - PSYC 3206 - Developmental Psychology
   - BIOL 1060 – Environmental Biology
Choose one from:

- HIST 1051 - American History Since 1877
- HIST 3031 - Economic History of the United States Since 1865
- HIST 3240 - The Age of Franklin Roosevelt, 1919-1945
- HIST 3245 - The United States Since 1945

Choose two from:

- PSYC 3206 - Developmental Psychology
- PSYC 3300 - Psychology of Personality
- PSYC 3375 - Abnormal Psychology

Choose one two from:

- SOCI 2110 – Introduction to Sociology
- SOCI 2111 - Modern Social Problems
- SOCI 3289 - Community Organization
- SOCI 4347 - Social Inequality
- SOCI 4350 - Social Change
- Students may submit a written request for the consideration of a cognate substitution to the program coordinator.

4. General electives to complete requirements for graduation - 9.
Sociology, BA

Sociology majors must earn a minimum grade of C (2.0) in SOCI 2110. Minimum degree requirement is **120 s.h.** of credit as follows:

1. Foundations curriculum requirements - **42 s.h.  40 s.h.**

   (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum.*)

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

   (For information about the foreign language requirement see *Additional Requirements for BA Degree* and *Placement Testing, Foreign Language.*)

3. Core - 15 s.h.

   - SOCI 2110 - Introduction to Sociology
   - SOCI 3213 - Methods of Research
   - SOCI 3216 - Introduction to Social Statistics
   - SOCI 4385 - Theoretical Perspectives and Applications
   - SOCI 4800 - Senior Seminar

4. SOCI electives - 18 s.h.

   - At least 12 s.h. must be above the 1999 level

5. Minor and electives to complete requirements for graduation.
Speech and Hearing Sciences, BS

Minimum degree requirement is 121 s.h. of credit as follows:

1. Foundations curriculum requirements including those listed below - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- BIOL 1050 - General Biology
- BIOL 1051 - General Biology Laboratory
- MATH 1065 - College Algebra
- PHYS 1050 - Physics and the Environment
- PSYC 1000 - Introductory Psychology

2. Core - 36 s.h.

- CSDI 2100 - Introduction to Communication Disorders
- CSDI 3010 - Phonetics
- CSDI 3020 - Language Development
- CSDI 3040 - Anatomy of the Speech and Respiratory Mechanism
- CSDI 3045 - Speech Science
- CSDI 3050 - Acquisition and Development of Phonology and Articulation
- CSDI 3105 - Hearing Science
- CSDI 4030 - Procedures in Clinical Management
- CSDI 4100 - Introduction to Audiology
- CSDI 4110 - Aural Rehabilitation
- CSDI 4335 - Apprenticeship
- CSDI 4440 - Neural Processing in Speech and Language

3. Cognates - 8 s.h.

- BIOS 1500 - Introduction to Biostatistics
- LING 3760 - Linguistic Theory for Speech and Hearing Clinicians
- SPED 2000 - Introduction to Exceptional Children

4. Minor or electives to complete requirements for graduation.
Sports Studies, BS

Minimum degree requirement is 121 s.h. as follows:

1. Foundations curriculum requirements including those listed below 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

- BIOL 1050 - General Biology
- BIOL 1051 - General Biology Laboratory

or

- BIOL 1150 - Principles of Biology: A Human Approach
- BIOL 1151 - Principles of Biology: A Human Approach Discussion

- COMM 2020 - Fundamentals of Speech Communication or
- COMM 2410 - Public Speaking

- MATH 1065 - College Algebra or
- MATH 1066 - Applied Mathematics for Decision Making

- PHIL 1110 - Introduction to Philosophy or
- PHIL 1175 - Introduction to Ethics or
- PHIL 1176 - Introduction to Social and Political Philosophy or
- PHIL 1180 - Introduction to Critical Reasoning or
- PHIL 2274 - Business Ethics

- PHYS 1250 - General Physics
- PHYS 1251 - General Physics Laboratory
- PSYC 1000 - Introductory Psychology
- RCLS 2601 - Leisure in Society

2. Core - 44 s.h.

- KINE 2000 - Introductory Exercise and Sport Science
- KINE 2202 - Motor Learning and Performance
- KINE 2850 - Structural Kinesiology
- KINE 3300 - Applied Sports Psychology
- KINE 3301 - Physical Education and Sport in Modern Society
- KINE 3600 - Coaching Theories
- KINE 3805 - Physiology of Exercise
- KINE 3850 - Introduction to Biomechanics
- KINE 4300 - Program Development and Management in Physical Education and Sports
- KINE 4301 - Comparative Sport and Physical Education: International Aspects
- KINE 4333 - Sport and Fitness Marketing
- KINE 4700 - Internship in Sports Studies
- KINE 4701 - Pre-internship Seminar for Sports Studies

3. Cognates - 40 s.h.

   - BIOL 1050 - General Biology
   - BIOL 1051 - General Biology Laboratory

   or

   - BIOL 1150 - Principles of Biology: A Human Approach
   - BIOL 1151 - Principles of Biology: A Human Approach Discussion

   - BIOL 2130 - Survey of Human Physiology and Anatomy

   - BITE 2112 - Introduction to Information Processing Technology or
   - KINE 2050 - Computer Applications in Exercise and Sport Science or
   - KINE 4003 - Special Topics in Exercise and Sport Science or
   - MIS 2223 - Introduction to Computers

   - COMM 3520 - Sports Media Survey or
   - KINE 4003 - Special Topics in Exercise and Sport Science

4. Approved minor - 18 s.h.

5. General electives to complete requirements for graduation.
Theatre Arts, BA

Theatre majors must attain a minimum grade of C (2.0) in all required theatre courses. Minimum degree requirement is 120 s.h. of credit as follows:

1. Foundations curriculum requirements - 42 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Demonstrated foreign language proficiency through level 1004 - 12 s.h.

(For information about the foreign language requirement see Additional Requirements for BA Degree and Placement Testing, Foreign Language.)

3. Core - 18 s.h.

- THEA 1010 - Introduction to Acting I
- THEA 2001 - Stage Scenery I
- THEA 2015 - Voice and Articulation
- THEA 2035 - Theatre History-Literature I
- THEA 3035 - Theatre History-Literature II
- THEA 3036 - Theatre History-Literature III

4. Concentration area - 21 s.h.

(Choose one.)

Community engagement - 21 s.h.

- THEA 3021 - Writing for Solo Performance
- THEA 3032 - Constructing Performance Projects in Theatre for Youth
- THEA 3075 - Developing the Concept: Play Analysis for Designers and Directors
- THEA 3604 - Theatre for Social Change
- THEA 4065 - Stage Management
• THEA 4066 - Theatre Management

Choose 3 s.h. from the following:

• THEA 1020 - Introduction to Acting II
• THEA 3003 - Stage Lighting
• THEA 3007 - Costume Design

Theatre management - 21 s.h.

• THEA 3100 - Starting a New Theatre Organization
• THEA 3110 - Case Studies in Theatre Management
• THEA 3604 - Theatre for Social Change
• THEA 4065 - Stage Management
• THEA 4066 - Theatre Management
• THEA 4445 - Internship in Theatre Management

Choose 3 s.h. from the following:

• THEA 1020 - Introduction to Acting II
• THEA 3003 - Stage Lighting
• THEA 3007 - Costume Design

5. Minor and electives to complete requirements for graduation.

Note: The theatre management concentration requires the business administration minor or the communication, communication studies minor.
Theatre Arts, BFA

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 requirements - 42 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

Include six hours from the following ENGL courses:

- ENGL 3070 - Shakespeare: The Histories
- ENGL 3080 - Shakespeare: The Comedies
- ENGL 3090 - Shakespeare: The Tragedies
- ENGL 3330 - Early Twentieth-Century Drama
- ENGL 3340 - Contemporary Drama

2. Core - 21 s.h.

- THEA 1010 - Introduction to Acting I
- THEA 2001 - Stage Scenery I
- THEA 2015 - Voice and Articulation
- THEA 2035 - Theatre History-Literature I
- THEA 3003 - Stage Lighting
- THEA 3007 - Costume Design
- THEA 3035 - Theatre History-Literature II

3. Concentrations - 44-62 s.h.

(Choose one.)

a. Musical theatre concentration (61-62 s.h.)

BFA musical theatre majors begin concentration area courses during fall semester of the freshmen year. Therefore, auditions are held each spring to gain admission to the musical theatre program. For detailed information, see the School of Theatre and Dance website at www.ecu.edu/theatredance/.
Dance (17 s.h.)

Students must complete a minimum of two courses in tap, two courses in ballet, and three courses in jazz.

Music (6-7 s.h.)

- MUSC 1008 - Music Theory for Non-music Majors or
- MUSC 1156 - Basic Musicianship
- MUSC 1018 - Music Reading and Fundamentals for Non-music Majors
- MUSC 1028 - Music Reading and Fundamentals for Non-music Majors
- MUSC 1208 - Non-music Major Group Piano *
- MUSC 1218 - Non-music Major Group Piano *

Note:

*Students exempt from these courses must take other higher level group or applied piano to complete required MUSC hours.

Theatre (38 s.h.)

- THEA 1020 - Introduction to Acting II
- THEA 1027 - Musical Theatre Fundamentals I
- THEA 1037 - Musical Theatre Fundamentals II
- THEA 1061 - Musical Theatre Private Voice
- THEA 1108 - Introduction to Musical Theatre Voice I
- THEA 1118 - Introduction to Musical Theatre Voice II
- THEA 2006 - The Art of Make-up
- THEA 2016 - Vocal Production for the Actor
- THEA 3050 - Advanced Acting I
- THEA 3055 - History of the American Musical Theatre
- THEA 3060 - Advanced Acting II
- THEA 3090 - Musical Theatre Performance Techniques I
- THEA 3095 - Musical Theatre Performance Techniques II
- THEA 4000 - Special Theatre Projects
- THEA 4080 - Musical Theatre Practicum
- THEA 4090 - Musical Theatre Performance Technique III
- THEA 4095 - Musical Theatre Performance Technique IV

b. Professional actor training concentration (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
- THEA 2002 - Stage Scenery II or
- THEA 4065 - Stage Management
- THEA 2006 - The Art of Make-up
- THEA 2010 - Professional Acting Technique I
- THEA 2016 - Vocal Production for the Actor
- THEA 2017 - Movement for Actors
- THEA 2018 - Stage Combat: Unarmed
- THEA 2020 - Professional Acting Technique II
- THEA 3010 - Professional Acting Technique III
- THEA 3015 - Oral Interpretation
- THEA 3018 - Movement for Actors II: Physical Characterization
- THEA 3020 - Professional Acting Technique IV
- THEA 3025 - Intermediate Voice and Articulation
- THEA 3036 - Theatre History-Literature III
- THEA 4025 - Television and Film Practicum for the Actor I
- THEA 4031 - Dialects for the Stage
- THEA 4040 - Directing I
- THEA 4041 - Directing II
- THEA 4065 - Stage Management
- THEA 4066 - Theatre Management
- THEA 4070 - Professional Preparation and Audition Technique for Actors

**c. Stage management concentration (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
- THEA 3004 - Scenery Design I
- THEA 3036 - Theatre History-Literature III
- THEA 4025 - Television and Film Practicum for the Actor I
- THEA 4040 - Directing I
- THEA 4041 - Directing II
- THEA 4065 - Stage Management
- THEA 4066 - Theatre Management
- THEA 4099 - Design and Production Portfolio

Choose a minimum of 13 s.h. from:
Each course may be repeated up to three times, and THEA 4444 must be taken at least once.

- THEA 1111 - Apprentice Level Production
- THEA 2222 - Intern Level Production
- THEA 3333 - Journeyman Level Production
- THEA 4444 - Master Level Production

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
- THEA 2006 - The Art of Make-up
- THEA 2009 - Decor and Ornament for the Stage
- THEA 2010 - Professional Acting Technique I
- THEA 2020 - Professional Acting Technique II
- THEA 3010 - Professional Acting Technique III
- THEA 3020 - Professional Acting Technique IV
- THEA 3005 - Scenery Design II
- THEA 3008 - Advanced Costume Design
- THEA 3015 - Oral Interpretation
- THEA 3050 - Advanced Acting I
- THEA 3060 - Advanced Acting II
- THEA 3501 - Independent Study in Theatre
- THEA 3502 - Independent Study in Theatre
- THEA 3503 - Independent Study in Theatre
- THEA 3601 - Selected Topics in Theatre
- THEA 3602 - Selected Topics in Theatre
- THEA 3603 - Selected Topics in Theatre
- THEA 4003 - Advanced Stage Lighting

**d. Theatre design and production concentration (55 s.h.)**

- THEA 2002 - Stage Scenery II
- THEA 2003 - Scene Painting
- THEA 2009 - Decor and Ornament for the Stage
- THEA 3002 - Advanced Theatrical Drafting
- THEA 3004 - Scenery Design I
- THEA 3036 - Theatre History-Literature III
- THEA 4065 - Stage Management
- THEA 4099 - Design and Production Portfolio

Choose one from:
- 3 s.h. DNCE course from ballet, contemporary, or jazz area
- THEA 1020 - Introduction to Acting II
- THEA 4041 - Directing II

**Choose a minimum of 14 s.h. from:**

- THEA 2006 - The Art of Make-up
- THEA 3005 - Scenery Design II
- THEA 3008 - Advanced Costume Design
- THEA 3501 - Independent Study in Theatre
- THEA 3502 - Independent Study in Theatre
- THEA 3503 - Independent Study in Theatre
- THEA 3601 - Selected Topics in Theatre
- THEA 3602 - Selected Topics in Theatre
- THEA 3603 - Selected Topics in Theatre
- THEA 4003 - Advanced Stage Lighting
- THEA 4040 - Directing I
- THEA 4066 - Theatre Management

**Choose a minimum of 13 s.h. from:**

Each course may be repeated up to three times, and THEA 4444 must be taken at least once.

- THEA 1111 - Apprentice Level Production
- THEA 2222 - Intern Level Production
- THEA 3333 - Journeyman Level Production
- THEA 4444 - Master Level Production

**e. Theatre for youth concentration (44 s.h.)**

Students (including transfer students) must be admitted to the program by faculty jury.

- THEA 1020 - Introduction to Acting II
- THEA 2002 - Stage Scenery II
- THEA 2003 - Scene Painting
- THEA 2006 - The Art of Make-up
- THEA 2017 - Movement for Actors
- THEA 2018 - Stage Combat: Unarmed
- THEA 3004 - Scenery Design I
- THEA 3015 - Oral Interpretation
- THEA 3030 - Youth Theatre I
- THEA 3031 - Youth Theatre II
- THEA 3032 - Constructing Performance Projects in Theatre for Youth
- THEA 4030 - Creative Dramatics
- THEA 4066 - Theatre Management
- THEA 4140 - Internship in Production and Performance in Theatre for Youth I
- THEA 4141 - Internship in Production and Performance in Theatre for Youth II

4. Electives to complete requirements for graduation.
Theatre Arts Education, BFA

Students interested in this program should contact the department chair prior to enrollment. See Academic Programs, College of Education, Licensure, for NC teacher licensure requirements. Students are admitted to the program by jury audition, writing sample, and interview.

Minimum degree requirement is **128 s.h.** of credit as follows:

1. **Foundations curriculum requirements including those listed below - 42 40 s.h.**

   (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum.*)

   - PSYC 1000 - Introductory Psychology
   - PSYC 2777 - Ethnocultural Psychology or
   - SOCI 1010 - Race, Gender, Class

   **Choose 6 s.h. from:**

   - ENGL 3070 - Shakespeare: The Histories
   - ENGL 3080 - Shakespeare: The Comedies
   - ENGL 3090 - Shakespeare: The Tragedies
   - ENGL 3330 - Early Twentieth-Century Drama
   - ENGL 3340 - Contemporary Drama

2. **Core - 56 s.h.**

   - DNCE 1011 - Ballet I or
   - DNCE 1013 - Jazz Dance I or
   - THEA 2017 - Movement for Actors

   - THEA 1010 - Introduction to Acting I
   - THEA 1020 - Introduction to Acting II
   - THEA 2001 - Stage Scenery I
   - THEA 2006 - The Art of Make-up
   - THEA 2015 - Voice and Articulation
   - THEA 2035 - Theatre History-Literature I
• THEA 3003 - Stage Lighting
• THEA 3004 - Scenery Design I
• THEA 3007 - Costume Design
• THEA 3015 - Oral Interpretation
• THEA 3030 - Youth Theatre I
• THEA 3035 - Theatre History-Literature II
• THEA 3036 - Theatre History-Literature III
• THEA 4030 - Creative Dramatics
• THEA 4040 - Directing I
• THEA 4041 - Directing II
• THEA 4065 - Stage Management
• THEA 4066 - Theatre Management

3. Professional courses - 27 s.h.

• EDTC 4001 - Technology in Education
• EDUC 3200 - Foundations of American Education

• EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
• PSYC 4305 - Educational Psychology

• READ 3990 - Teaching Reading in the Content Areas in the Secondary School
• SPED 4010 - Effective Instruction in Inclusive Classrooms
• THEA 2123 - Early Experiences for the Prospective Teacher
• THEA 4323 - The Teaching of Theatre Arts in Grades K-12
• THEA 4324 - Internship in Theatre Education
• THEA 4325 - Internship Seminar: Issues in Theatre Education

4. Electives to complete requirements for graduation.
Urban and Regional Planning, BS

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

1. Foundations curriculum requirements including the one listed below - **42 s.h.** **40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum.*)

- COMM 2410 - Public Speaking

2. Core - 33 s.h.

- GEOG 2400 - Spatial Data Analysis or
- MATH 2228 - Elementary Statistical Methods I or
- MATH 2283 - Statistics for Business

- PLAN 2410 - Fundamentals of GIS
- PLAN 3020 - Environmental Planning
- PLAN 3021 - Introduction to Planning Techniques
- PLAN 3022 - History and Theory of Planning
- PLAN 3030 - Urban and Regional Planning
- PLAN 3031 - Quantitative Analysis in Planning
- PLAN 3032 - Planning Legislation and Administration
- PLAN 4003 - Urban Form and Design
- PLAN 4096 - Planning Studio
- PLAN 4099 - Practicum in Planning

3. Areas of emphases - 9 s.h.

(In consultation with the planning advisor, choose one area of emphasis from the following.)

a. Coastal planning and development:

- PLAN 4015 - Emergency Management Planning

- PLAN 4045 - Environmental Resources Planning and Management or
- PLAN 4065 - Land Use Planning
b. Community planning and development:

- PLAN 4025 - Housing and Neighborhood Planning
- PLAN 4040 - Community Facilities Planning or
  PLAN 4065 - Land Use Planning
- PLAN 4075 - Transportation Planning or
  PLAN 5985 - Historic Preservation Planning

4. Electives - 6 s.h.

(Choose any additional 6 s.h. from the following.)

- PLAN 1900 - Sustainable Cities
- PLAN 2030 - Global Cities
- PLAN 3018 - Planning Internship *
- PLAN 3028 - Planning Internship *
- PLAN 3038 - Planning Internship *
- PLAN 3041 - Computer Applications in Planning
- PLAN 3430 - Geographic Information Systems I
- PLAN 4015 - Emergency Management Planning
- PLAN 4025 - Housing and Neighborhood Planning
- PLAN 4040 - Community Facilities Planning
- PLAN 4045 - Environmental Resources Planning and Management
- PLAN 4046 - Planning and Design Studio
- PLAN 4050 - World Architecture and Urbanism
- PLAN 4055 - Coastal Area Planning and Management
- PLAN 4065 - Land Use Planning
- PLAN 4075 - Transportation Planning
- PLAN 4121 - Problems in Planning
- PLAN 4131 - Problems in Planning
- PLAN 4250 - Environmental Impact Analysis
- PLAN 4270 - Water Resources Management and Planning
- PLAN 4305 - Ecological Landscape Planning
- PLAN 4430 - Geographic Information Systems II
- PLAN 5985 - Historic Preservation Planning

Note:

*May count a maximum of 3 s.h. from PLAN 3018, PLAN 3028, PLAN 3038 toward the degree.
5. Minor or concentration area - 18 s.h.

(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.)

a. Coastal resources concentration:

- COAS 2025 - Survey of Coastal and Marine Resources
- COAS 4025 - Society and the Sea Seminar
- GEOG 4220 - Coastal Geography
- GEOG 4440 - Coastal Applications of GIS
- GEOG 4540 - Coastal Storms
- GEOL 1550 - Oceanography
- GEOL 3700 - Advanced Oceanography
- HIST 5520 - Maritime History of the Western World Since 1815
- SOCI 3410 - Introduction to Maritime Sociology

b. Community health concentration:

- ANTH 3027 - Human Health and Disease Ecology
- EHST 2110 - Introduction to Environmental Health Sciences
- EHST 3600 - Air Pollution
- EHST 5800 - Solid and Hazardous Waste Management and Laboratory
- EHST 5801 - Solid and Hazardous Waste Management and Laboratory
- GEOG 4340 - Introduction to Medical Geography
- HLTH 2000 - Principles of Public Health
- HLTH 3050 - Public Health Systems and Policy
- SOCI 3327 - Introductory Medical Sociology

c. Environmental resources concentration:

- ANTH 2005 - Environmental Anthropology
- ECON 3855 - Environmental Economics
- GEOG 2350 - Climate Change: Science and Society
- GEOG 3220 - Soil Properties, Surveys, and Applications
- GEOG 3250 - Environmental Hazards
- GEOG 3420 - Remote Sensing of the Environment I
- GEOG 3500 - Hydrogeology and the Environment
- POLS 3256 - Environmental Politics

d. Geographic information science:

- GEOG 3420 - Remote Sensing of the Environment I
- GEOG 3430 - Geographic Information Systems I
- GEOG 3450 - Introduction to the Global Positioning System
- GEOG 3460 - GIS Applications Programming
• GEOG 4410 - Advanced Cartographic Design and Production
• GEOG 4420 - Remote Sensing II
• GEOG 4430 - Geographic Information Systems II
• GEOG 4440 - Coastal Applications of GIS
• GEOG 4450 - GIScience, Society and Technology
• GEOG 4460 - Digital Terrain Analysis

e. International development concentration:

• ECON 3353 - Development Economics
• ECON 3750 - Economics of Poverty and Discrimination
• GEOG 2003 - Geography in the Global Economy
• GEOG 2110 - World Geography: Less Developed Regions
• GEOG 4325 - Resources, Population, and Development
• POLS 3140 - Politics of Globalization
• POLS 3257 - International Environmental Policy
• POLS 3297 - International Political Economy
• POLS 4360 - Politics of Developing Areas

f. Recreation concentration:

• GEOG 2019 - Geography of Recreation
• GEOG 4335 - Geography of Tourism
• RCLS 2000 - Foundations of Recreation, Parks, and Tourism Studies
• RCLS 2601 - Leisure in Society
• RCLS 3104 - Public and Non-Profit Recreation
• RCLS 3120 - Commercial Recreation and Tourism
• RCLS 3300 - Outdoor Recreation Programming
• RCLS 4111 - Recreation and Park Planning

g. Rural development concentration:

• ANTH 4260 - Cultural Ecology
• ECON 3750 - Economics of Poverty and Discrimination
• GEOG 3055 - North Carolina
• GEOG 4325 - Resources, Population, and Development
• GEOG 4335 - Geography of Tourism
• HIST 3100 - North Carolina History
• SOCI 3222 - Rural Sociology

h. Public administration concentration:

• ECON 4214 - Public Finance
• MGMT 3202 - Fundamentals of Management
• POLS 3240 - State and Local Government
• POLS 3241 - Urban Political Systems
• POLS 3242 - Municipal Policy and Administration
• POLS 3252 - Public Administration
• POLS 3253 - Government Fiscal Administration

i. Urban studies concentration:

• EHST 3600 - Air Pollution
• GEOG 3004 - Urban Geography
• GEOG 4560 - Urban Climatology
• HIST 3205 - History of American Urban Life
• POLS 3241 - Urban Political Systems
• POLS 3242 - Municipal Policy and Administration
• SOCI 3225 - Urban Sociology
• SOCI 3289 - Community Organization

6. Electives to complete degree requirements for graduation.